



B.S. Abdur Rahman

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956

Accredited with 'A+' grade by NAAC



ANNUAL REPORT 2020 - 21



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GST Road, Vandalur, Chennai 600 048

**ANNUAL
REPORT
2020 - 21**

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VISION AND MISSION OF THE INSTITUTION

VISION

B.S. Abdur Rahman Crescent Institute of Science and Technology aspires to be a leader in Education, Training and Research in multidisciplinary areas of importance and to play a vital role in the Socio – Economic progress of the country in a sustainable manner.

MISSION

- To blossom into an internationally renowned Institute.
- To empower the youth through quality and value – based education.
- To promote professional leadership and entrepreneurship.
- To achieve excellence in all its endeavors to face global challenges.
- To provide excellent teaching and research ambience.
- To network with global institutions of Excellence, Business, Industry and Research organizations.
- To contribute to the knowledge base, through scientific enquiry, applied research and innovation.

ADMINISTRATION

FOUNDER

Alhaj. Dr. B.S. ABDUR RAHMAN

CHANCELLOR

Mr. BSA ARIF BUHARY RAHMAN, M.B.A

PRO CHANCELLOR

Mr. ABDUL QADIR ABDUL RAHMAN BUHARI, B.E., M.B.A.

VICE CHANCELLOR

Dr. A. PEER MOHAMED, B.Tech, M.Tech, Ph.D

REGISTRAR

Dr.A. AZAD, Ph.D.

SENIOR GENERAL MANAGER

Mr. V.N.A. JALAL, B.A., B.L.

CONTROLLER OF EXAMINATIONS

Dr. M. MUNIR AHAMED RABBANI, M.Sc., B. Ed., M. Phil. PGDCA, MCA., Ph.D.

ACADEMIC

DEAN (ACADEMIC AFFAIRS)

Dr. M.S. HAJI SHEIK MOHAMMED, B.E., M.S., Ph.D.

DEAN (RESEARCH)

Dr. I. RAJA MOHAMED, M.Sc., B. Ed., PGDCA, M. Phil., Ph.D.

DEAN (STUDENT AFFAIRS)

Dr. KARTHIKEYAN RAMALINGAM, M.Sc., M.Phil., Ph.D.

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DEAN (SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES)

Dr. D. NAJUMNISSA JAMAL, B.E, M.E., Ph.D.

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Dr. VASANTHI PADMANABHAN, M.Tech., Ph.D.

DEAN (SCHOOL OF MECHANICAL SCIENCES)

Dr. S. RASOOL MOHIDEEN, B.E., M.E, Ph.D.

DEAN (CRESCENT SCHOOL OF ARCHITECTURE)

Prof. G. JAYALAKSHMI, B.Arch., M.Arch.

DEAN (SCHOOL OF LIFE SCIENCES)

Dr. S. HEMALATHA, M.Sc., Ph.D.

DEAN (SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES)

Dr. S. KUTTI RANI, M.Sc., M.Phil., Ph.D.

DEAN (SCHOOL OF SOCIAL SCIENCES AND HUMANITIES)

Dr. AYUB KHAN DAWOOD, M.Com, M.Phil, M.B.A., PGD PM & IR, Ph.D

DEAN (CRESCENT SCHOOL OF BUSINESS)

Dr. K. SRINIVASAN, B.Sc., M.B.A, Ph.D.

DEAN (SCHOOL OF ARABIC AND ISLAMIC STUDIES)

Dr. P.S. SYED MASOOD JAMALI, M.A., Ph.D.

DEAN (CRESCENT SCHOOL OF PHARMACY)

Dr. M. VIJAYA VARA PRASAD, M.Pharm, Ph.D

DEAN (CRESCENT SCHOOL OF LAW)

Dr. H. ABDUL AZEEZ, LLB., Ph.D.

DIRECTOR (INTERNAL QUALITY ASSURANCE CELL)

Dr. A. ABUDHAHIR, B.E., M.E.E., Ph.D.

DIRECTOR (DATA CENTRE)

Dr. LATHA TAMILSELVAN, B.E, M.E., Ph.D.

DIRECTOR (HUMAN RESOURCES & FACULTY TRAINING AND DEVELOPMENT)

Dr. NIKHAT M HAMZA, MBA., Ph.D.

CEO (CRESCENT INNOVATION INCUBATION COUNCIL-CIIC)

Mr.M. PARVEZ ALAM, BE, MBA, CCIO, RTTP, PMP, ACP, CSSBB, MCTS, CDA, CDAP, DALSM

DIRECTOR (CENTRE FOR ENERGY, SPONSORED PROJECTS AND CONSULTANCY)

DIRECTOR (CENTRE FOR SUSTAINABLE DEVELOPMENT)

Prof.T. HARINARAYANA, Ph.D. (ISM), Ph.D. (UK)

DIRECTOR (CENTRE FOR LEADERSHIP)

Dr. SHANMUGAM MUNUSWAMY, B.Com, M.Com, M. Ed, M.Phil, Ph.D

DIRECTOR (INTERNATIONAL RELATIONS)

Dr. TAKHELLAMBAM ROCKY DEVI, B.Sc., MBA, Ph.D.

DIRECTOR (CENTRE FOR INNOVATION INTEACHING AND LEARNING)

Dr.C. THARINI, M.E., Ph.D.

DIRECTOR I/C (CENTRE FOR DIGITAL MEDIA)

Dr. SYED MOHSIN ASHFAQUDDIN, B.E, MBA, Ph.D.

HEAD OF THE DEPARTMENTS

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Dr. E. SYED MOHAMED, B.E., M.E, Ph.D.

DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. I. SATHIK ALI, MCA, M.E., Ph. D.

DEPARTMENT OF COMPUTER APPLICATIONS

Dr. S. PAKKIR MOHIDEEN, MCA, M.E., Ph. D.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCES

Dr. P.S. SHEIK UDUMAN, M.Sc., M.Phil, Ph.D.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Dr. Y. MOHAMED SHUAIB, M.E, Ph.D.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. C. THARINI, M.E., Ph.D.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Dr. P.K. JAWAHAR, B.E., M.Tech., Ph.D.

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

Dr. VASANTHI PADMANABHAN, B.Tech., M.Tech., Ph.D.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. H. SIDDIH JAILANI, B.E., M.E, Ph.D.

DEPARTMENT OF AEROSPACE ENGINEERING

Dr. ASHOKE GHOSH, B.Tech. (Honors), MBA, MS., Ph.D.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Dr. ASHOKE GHOSH, B.Tech. (Honors), MBA, MS., Ph.D.

DEPARTMENT OF POLYMER ENGINEERING (Incharge)

Mr. BASANTA KUMAR BEHERA, M.Tech., (Ph.D.)

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

Dr. M. BASHEER AHAMED, M.Sc., M.Phil., Ph.D.

DEPARTMENT OF CHEMISTRY

Dr. D. EASWARAMOORTHY, M.Sc., Ph.D.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

DEPARTMENT OF ENGLISH

Dr. H. SOFIA, M.A., M.Ed., M.Phil., Ph.D.

DEPARTMENT OF COMMERCE

Dr. AFZALUR RAHMAN, M.Com., MBA, ANIIT, Ph.D.

CRESCENT SCHOOL OF BUSINESS

DEPARTMENT OF MANAGEMENT STUDIES

Dr. SHANMUGAM MUNUSWAMY, M.Com. M.Ed, M.Phil, Ph.D

OTHER DIVISIONS

LIBRARIAN

Dr. P. PANNEER SELVAM, M.A., M.L.I.Sc., Ph.D.

DIRECTOR (PLACEMENT AND TRAINING CELL, INDUSTRY INSTITUTE PARTNERSHIP CELL, ALUMNI RELATIONS)

Dr. K. GANESH, MBA., Ph.D.

DIRECTOR (PHYSICAL EDUCATION)

Dr. S. SELVAKUMAR, M.A. M.PEd, M.Phil, M.Sc (Yoga), MBA, NSNIS. (Cric) DNCC.Ph.D

ADMINISTRATION

The Institution is guided by Mr. BSA Arif Buhary Rahman, Chancellor and Mr. Abdul Qadir Abdul Rahman Buhari, Pro Chancellor and Members of Board of Management. The Institution is headed by Dr. A. Peer Mohamed, Vice Chancellor and Dr. A. Azad, Registrar are making sincere efforts to achieve excellence in Teaching - Learning process, Research, Consultancy and Extension activities. The administration is supported by the Controller of Examinations, Deans, Directors, Head of the Departments, Division Heads, Senior Professors, Faculty members and Non –Teaching staff.

OFFICE OF DEAN, ACADEMIC AFFAIRS

The main objective of the Office of Dean, Academic Affairs is to plan and develop all the academic programmes of the Institute such that it is dynamic, up-to-date, in line with current scientific developments and industrial relevance; and caters to the needs of stakeholders. The office plans the annual academic, technical and co-curricular activities including examination schedule for the holistic development of the students and to face the challenges of the real world. It also manages the implementation of quality improvement practices by the faculty, through proper guidance / motivation based on the feedback from students and other stakeholders. The office helps the students in the redressal of academic related issues with ease by extending full cooperation.

The salient activities of Office of Academic affairs are as follows:

- Formulating new academic programmes.
- Facilitating curriculum and syllabus revision / updation of academic programmes.
- Ensuring quality teaching-learning process through well - structured strategies.
- Monitoring the implementation of internal quality assurance mechanism.
- Monitoring Institute Transformation KPI's.
- Facilitating departments to organize Board of Studies.
- Facilitating the conduct of Academic Council and Academic & Administration Audit, and ensure implementation of resolution.
- Preparing Academic Calendar and facilitate Time-Table preparation.
- Facilitating redo/predo courses offered by the Departments.
- Holistically monitoring the academic system of the Institute.
- Redressing academic related student grievances.

I. Programmes Offered in the AY 2020-21:

B.S. Abdur Rahman Crescent Institute of Science and Technology offered the following programmes in the academic year 2020-21:

Name of the School	Name of the Department	UG Programmes Offered	PG programmes Offered
School of Infrastructure	Civil Engineering	B.Tech. Civil Engineering	M.Tech. Structural Engineering
			M.Tech. Construction Engineering and Project Management
School of Mechanical Sciences	Aerospace Engineering	B.Tech. Aeronautical Engineering	M.Tech. Avionics
	Automobile Engineering	B.Tech. Automobile Engineering	---
	Mechanical Engineering	B.Tech. Mechanical Engineering	M.Tech. CAD/CAM
	Polymer Technology	B.Tech. Polymer Engineering	---
School of Electrical & Communication Sciences	Electrical and Electronics Engineering	B. Tech. Electrical and Electronics Engineering	M. Tech. Power System Engineering
	Electronics and Communication Engineering	B. Tech. Electronics and Communication Engineering	M. Tech. VLSI and Embedded Systems
	Electronics and Instrumentation Engineering	B. Tech. Electronics and Instrumentation Engineering	---
School of Computer, Information and Mathematical Sciences	Computer Science and Engineering	B. Tech. Computer Science and Engineering	M. Tech. Computer Science and Engineering
		B.Tech. Artificial Intelligence and Data Science	
		B. Tech. CSE (Cyber Security)	
		B. Tech. CSE (IoT)	

Name of the School	Name of the Department	UG Programmes Offered	PG programmes Offered
	Information Technology	B. Tech. Information Technology	M. Tech. Information Technology
	Computer Applications	BCA	MCA
		B.Sc. Computer Science	---
	Mathematics and Actuarial Science	---	M.Sc. Actuarial Science
School of Life Sciences		B.Tech. Biotechnology	M.Tech. Biotechnology
			M.Sc. Microbiology
	B.Sc. Biotechnology		M.Sc. Biotechnology
			M.Sc. Biochemistry and Molecular Biology
Crescent School of Architecture		B.Arch. (Architecture)	M.Arch.
		B.Des.	
Crescent School of Business	Management Studies	---	MBA
School of Physical and Chemical Sciences	Physics	---	M.Sc. Physics
	Chemistry	---	M.Sc. Chemistry
School of Social Sciences and Humanities	Commerce	B.Com. (General)	M.Com.
		B.Com (Accounts and Finance)	
		B.Com. (Hons.)	
		BBA (General)	
		BBA (Financial Services)	
	English	B.A. English (Hons.)	---

Name of the School	Name of the Department	UG Programmes Offered	PG programmes Offered
School of Arabic and Islamic Studies		B.A. Islamic Studies	M.A. Islamic Studies
Crescent School of Pharmacy		B. Pharm.	---
Crescent School of Law		BBA LLB (Hons.)	---
		B.A. LLB (Hons.)	
Ph. D. Programme is offered by all the departments.			

II. Academic Activities:

- The odd semester classes of the academic year 2020-21, for the senior students of all UG and PG programmes commenced on 13th July 2020.
- The orientation programme for the first year students of various programmes were held as follows:

Programme	Dates of Orientation programme
B.Com., BBA & B.A.	07 October 2020
BCA & B.Sc.	09 October 2020
B.Tech.	14 October 2020
Law & Pharmacy	22 October 2020
MBA	28 October 2020
PG programmes	09 November 2020

- Theory classes were conducted online / offline for all the students by strictly following the pandemic period guidelines proposed by statutory / regulatory authorities concerned.
- Laboratory courses were conducted through Virtual labs for certain courses and recorded video demonstration of the experiments for other courses.
- Class committee meetings were conducted to disseminate information regarding teaching-learning methods and assessment patterns to the students. It was also a forum to get feedback about the effectiveness of the courses and course teacher handling the class.

- Level I and Level II feedback were obtained from all the students on the course and course teacher.
- The Continuous Assessment Tests – I & II for the intermediate and final year students of all UG and PG programmes were conducted through online proctored mode.
- Online Parent – Teacher meeting was conducted during the period: 17th October 2020 – 25th October 2020 and May - June 2021.
- The even semester classes for the senior students of UG and PG programmes started from 1st March 2021 and for the first year students on 21st April 2021.

III. Academic Calendar and Academic Schedule:

To cope up with the pandemic situations, programme-wise academic schedule was planned to effectively manage the academic activities in the given timeline.

The academic schedule details of various programmes in the odd semester 2020-21, are as follows:

A) Academic Schedule for Final year UG and PG students (Except Law, Pharmacy, Architecture, MBA)

S. No.	Details	Dates
1	Commencement of the Academic year	13.07.2020
2	Continuous Assessment Test – I (online mode)	28.09.2020
3	Reopening of the institution for regular academic activities	07.12.2020
4	Continuous Assessment Test - II	14.12.2020 to 22.12.2020
5	Last Instructional Day	24.12.2020
6	Semester end examinations - Theory	28.12.2020 to 20.01.2021
5	Substitute test (for CAT I & II)	21.01.2021 to 30.01.2021
6	Conduct of practical sessions – Phase I	21.01.2021 to 31.01.2021
7	Conduct of practical sessions – Phase II	04.02.2021 to 10.02.2021
8	Semester end examinations – Practical : Phase I	01.02.2021 to 05.02.2021
9	Semester end examinations – Practical : Phase II	11.02.2021 to 15.02.2021

S. No.	Details	Dates
10	Semester end examinations – Arrears	16.02.2021 to 28.02.2021
11	Commencement of Even semester 2020-21 classes	01.03.2021

B) Academic Schedule for Intermediate year UG and PG students (Except law, Pharmacy, Architecture, MBA)

S.No.	Details	Dates
1	Commencement of the Academic year	13.07.2020
2	Continuous Assessment Test – I (online mode)	28.09.2020
3	Reopening of the institution for regular academic activities	07.12.2020
4	Continuous Assessment Test - II	14.12.2020 to 22.12.2020
5	Last Instructional Day	24.12.2020
6	Semester end examinations – Theory	28.12.2020 to 20.01.2021
7	Substitute test (for CAT II)	21.01.2021 to 30.01.2021
8	Revision of practical course classes (for applicable courses) & conduct of semester end practical examinations (in feasible courses)	21.01.2021 to 05.02.2021
9	Semester end examinations – Arrears	16.02.2021 to 28.02.2021
10	Commencement of Even semester 2020-21 classes	01.03.2021

C) Academic Schedule for final year & Intermediate year students of B.Des, B.Arch. and M. Arch.

S.No.	Details	Dates
1	Last Instructional Day	04.12.2020

2	Reopening of the institution for regular academic activities (for final year B.Des, B.Arch. and M. Arch. students)	07.12.2020
3	End semester external viva for theory cum studio courses (B.Arch.& B. Des)	07.12.2020 to 16.12.2020
4	B.Des. Thesis : Viva voce	28.12.2020 & 29.12.2020
5	Semester end examinations - Theory	28.12.2020 to 06.01.2021
6	Semester end examinations - Arrears	07.01.2021 to 18.01.2021
7	Commencement of even semester classes	20.01.2021

D) Academic Schedule for Intermediate year students of Law Programmes: III / V / VII SEM (Odd semester 2020-21) & Conduct of Semester End Examinations of Even Semester 2019-20 (II / IV / VI SEM)

S.No.	Details	Dates
ODD SEMESTER 2020-21 : III / V / VII SEM		
1	Commencement of the Academic year	13.07.2020
2	Continuous Assessment Test – I (online mode)	28.09.2020
3	Reopening of the institution for regular academic activities	07.12.2020
4	Continuous Assessment Test - II	14.12.2020 to 22.12.2020
5	Substitute test	23.12.2020 & 24.12.2020
6	Last Instructional Day	24.12.2020
7	Semester end examinations – Theory	28.12.2020 to 20.01.2021
Semester End Examinations of Even Semester 2019-20 (II / IV / VI SEM)		
8	Semester end examinations – Theory	27.01.2021 to 10.02.2021
9	Commencement of Even semester 2020-21 classes	15.02.2021

E) (i) Academic Schedule for final year students of MBA

S. No.	Details	Dates
1	Commencement of the Academic year	13.07.2020

2	Mid-Term	24.09.2020 – 06.10.2020
3	Reopening of the Institution for regular academic activities	07.12.2020
4	Conduct of special classes	07.12.2020 to 22.12.2020
5	Last Instructional Day	22.12.2020
6	Semester end examinations - Theory	28.12.2020 to 08.01.2021
7	Semester end examinations - Arrear	09.01.2021 & 11.01.2021
8	Resumption of classes for Even semester 2020-21 (IV semester)	18.01.2021

(ii) Revised Academic Schedule for PGDM – Term 4

S.No.	Details	Dates
1	Commencement of Classes – term 4	14.08.2020
2	Commencement of mid-term test	06.10.2020
4	Last Instructional Day	28.11.2020
5	Term end examinations	02.12.2020 to 10.12.2020
6	Last Working Day	17.12.2020

F) Academic Schedule for final year students of B. Pharm. (Odd semester 2020-21) including Semester End Examinations of Even Semester 2019-20

S. No.	Details	Dates
ODD SEMESTER 2020-21 (VII SEM)		
1	Commencement of the Academic year	13.07.2020
2	Continuous Assessment Test – I (online mode)	28.09.2020
3	Reopening of the institution for regular academic activities	07.12.2020
4	Continuous Assessment Test - II (Both Theory and Practical)	09.12.2020 to 12.12.2020
5	Substitute test	14.12.2020 & 15.12.2020
6	Last Instructional Day	22.12.2020
7	Semester end examinations – Practical	23.12.2020
8	Semester end examinations - Theory	28.12.2020 to 06.01.2021

S. No.	Details	Dates
Semester End Examinations of Even Semester 2019-20 (VI SEM)		
7	Semester end examinations – Practical	07.01.2021 to 09.01.2021
8	Semester end examinations - Theory	18.01.2021 to 29.01.2021
9	Commencement of Even semester 2020-21 classes	01.02.2021

G) Academic Schedule for Intermediate year students of B. Pharm.

S.No.	Details	Dates
1	Commencement of the Academic year	13.07.2020
2	Continuous Assessment Test – I (online mode)	28.09.2020
3	Reopening of the institution for regular academic activities	07.12.2020
4	Continuous Assessment Test - II	14.12.2020 to 22.12.2020
5	Substitute test	23.12.2020 & 24.12.2020
6	Last Instructional Day	24.12.2020
7	Semester end examinations - Theory	19.01.2021 to 03.02.2021
8	Semester end examinations - Practical	04.02.2021 to 09.02.2021
9	Commencement of Even semester 2020 - 21 classes	15.02.2021

H) i) Academic Schedule for School of Arabic and Islamic Studies (Except First Year M. A. Islamic Studies)

S.No.	Examination Details	Dates
1)	Commencement of Academic year	13.07.2020
2)	CAT-1 (for intermediate and final years of B.A. Islamic Studies & final year of M.A. Islamic Studies)	09.09.2020 to 12.09.2020
3)	CAT-1 (for 1st year of B.A. Islamic Studies)	10.11.2020 to 13.11.2020
4)	CAT-2 (intermediate and final years of B.A. Islamic	10.11.2020 to

S.No.	Examination Details	Dates
	Studies & final year of M.A. Islamic Studies)	13.11.2020
5)	Reopening of the institution for regular academic activities	07.12.2020
6)	CAT-2 (for 1 st year of B.A. Islamic Studies)	09.12.2020 to 12.12.2020
7)	Last instructional day	24.12.2020
8)	Semester End Examination (for all the years of B.A. Islamic Studies & final year of M.A. Islamic Studies)	29.12.2020 to 12.01.2021
9)	Commencement of even semester (2020-21) Classes	18.01.2021

I) For the First year UG and PG programmes (except Architecture & Islamic Studies)

S.No.	Details	Dates
1	Commencement of Academic year	18.11.2020
2	Continuous Assessment Test - I	18.01.2021 to 25.01.2021
3	Reopening of the institution	18.02.2021
4	Conduct of Revision classes	18.02.2021 to 27.02.2021
5	Practical classes	01.03.2021 to 08.03.2021
6	Continuous Assessment Test - II	09.03.2021 to 15.03.2021
7	Semester end examinations – Practical	16.03.2021 to 20.03.2021
8	Semester end examinations - Theory	22.03.2021 to 03.04.2021
9	Commencement of Even semester 2020-21 classes	12.04.2021

J) i) For the First year B.Arch & B.Des. programmes

S.No.	Details	Dates
1	Commencement of Academic year	10.11.2020
2	Continuous Assessment Test – I	11.12.2020
3	Continuous Assessment Test - II	06.01.2021 to 12.01.2021
4	Continuous Assessment Test - III	05.02.2021 to 10.02.2021

5	Last Instructional Day	15.02.2021
6	End semester external viva for studio and theory cum studio courses	22.02.2021 to 02.03.2021
7	Semester end examinations - Theory	08.03.2021 to 10.03.2021
8	Commencement of Even semester 2020-21 classes	15.03.2021

(ii) For the First year M.Arch. programme

S.No.	Details	Dates
1	Commencement of Academic year	10.11.2020
2	Continuous Assessment Test – I	14.12.2020
3	Continuous Assessment Test - II	07.01.2021 to 12.01.2021
4	Continuous Assessment Test - III	08.02.2021 to 10.02.2021
5	Last Instructional Day	15.02.2021
6	End semester external viva for studio and theory cum studio courses	22.02.2021 to 26.02.2021
7	Semester end examinations - Theory	03.03.2021 to 05.03.2021
8	Commencement of Even semester 2020-21 classes	16.03.2021

K) Academic Schedule for the First year M.A. Islamic Studies

S.No.	Details	Dates
1	Commencement of Academic year	16.11.2020
2	Continuous Assessment Test - 1	04.01.2021
3	Continuous Assessment Test - 2	22.02.2021
4	Semester End Examination	22.03.2021

L) Academic Schedule for the First year MBA

S.No.	Details	Dates
1	Commencement of Academic year	18.11.2020
2	Mid Term	18.01.2021 to 25.01.2021

3	Commencement of classes in regular mode in institution	24.02.2021
4	Last instructional day	19.03.2021
5	Semester End Examinations - Practical	23.03.2021 & 24.03.2021
6	Semester End Examinations - Theory	25.03.2021 to 09.04.2021
7	Commencement of even semester 2020-21	12.04.2021

The following are the details of the academic schedule for various programmes in the Even semester 2020-21:

A) Intermediate and final year students of UG and PG programmes (Except CSA, CSB, SAIS & CSP):

S. no.	Academic Activities	Dates
1	Commencement of the Classes	01.03.2021
2	Continuous Assessment Test - I begins	15.04.2021
3	Continuous Assessment Test - II begins	04.06.2021
4	Last Instructional Day	17.06.2021
5	Practical Courses – Semester End Exams begin	18.06.2021
6	Substitute Exams begin	29.06.2021
7	Theory Courses – Semester End Exams begin	05.07.2021
8	Arrear Theory Courses – Semester End Exams begin	26.07.2021
9	Reopening Date for the next semester	16.08.2021

B) Intermediate year students of UG programmes (Except CSA, CSB, SAIS & CSP):

S. no.	Academic Activities	Dates
1	Commencement of the Classes	01.03.2021
2	Continuous Assessment Test - I begins	15.04.2021
3	Regular classes in the institution	26.04.2021
4	Continuous Assessment Test - II begins	04.06.2021
5	Practical Courses – Semester End Exams begin	12.06.2021
6	Theory Courses – Semester End Exams begin	22.06.2021

C) Academic Schedule for First year UG and PG students (Except CSA, CSB, SAIS & CSP).

S. no.	Academic Activities	Dates
1	Commencement of the Classes	12.04.2021
2	Continuous Assessment Test - I begins	24.05.2021
3	Continuous Assessment Test - II begins	05.07.2021
4	Last Instructional Day	13.07.2021
5	Substitute Exams begin	14.07.2021
6	Commencement of Semester End Practical Exam	17.07.2021
7	Commencement of Semester End Theory Exam	26.07.2021
8	Last Working Day	12.08.2021
9	Commencement of classes for the next semester	16.08.2021

D) Academic Schedule for the students of B.Des, B.Arch. and M.Arch:

S.No.	Details	Dates	
		1 st year students of all programmes	Intermediate & final year students of all programmes
1	Continuous Assessment Test - I (shall be completed on or before)	19.04.2021	26.03.2021
2	Continuous Assessment Test - II	18.05.2021 to 25.05.2021	23.04.2021 to 30.04.2021
3	Continuous Assessment Test - III (shall be completed on or before)	25.06.2021	26.05.2021
4	Last Instructional Day	28.06.2021	28.05.2021
5	Semester End Viva-voce examinations	29.06.2021 to 06.07.2021	29.05.2021 to 05.06.2021
6	Semester End Theory – Regular & Arrear examinations	09.07.2021 to 16.07.2021	07.06.2021 to 14.07.2021
7	Commencement of Regular classes for Odd semester 2021-22	21.07.2021	22.07.2021

E) (i) Academic Schedule for first year students of MBA:

S. no.	Details of academic activity	Dates
1	Commencement of the even semester classes	21.04.2021
2	Mid Term Test	04.06.2021
3	Last Instructional Day	23.07.2021
4	Semester End Practical Examinations	26.07.2021 & 27.07.2021
5	Substitute Test	28.07.2021 to 30.07.2021
6	Semester End Theory Examinations	02.08.2021 to 09.08.2021
7	Last Working Day	10.08.2021
8	Summer Internship	8 weeks (From 11.08.2021 to 10.10.2021)
9	Commencement of classes for the next semester	11.10.2021

(ii) Academic Schedule for final year students of MBA:

S. no.	Details of academic activity	Dates
1	Commencement of the even semester classes	01.02.2021
2	Mid Term Test	15.04.2021 to 24.04.2021
3	Last Instructional Day	21.05.2021
4	Substitute Test	11.06.2021 & 12.06.2021
5	Semester End Theory Examinations and Project viva-voce	14.06.2021 to 26.06.2021
6	Summer Internship	8 weeks (From 28.06.2021 to 27.07.2021)
7	Summer Internship Presentation	28.07.2021 & 29.07.2021
8	Last working day	30.07.2021

(iii) Academic Schedule for PGDM – Terms 5 & 6

S. no.	Details	Dates
Term - 5		
1	Commencement of Classes for Term 5	21.12.2020

2	Mid Term Test begins	08.02.2021
3	Last Instructional Day	12.03.2021
4	Term End examination begins	15.03.2021
5	Last working day for Term 5	26.03.2021
Term - 6		
1	Commencement of Classes for Term 6 & Internship	29.03.2021
2	Last Instructional Day	08.05.2021
3	Term End examination begins	17.05.2021
4	Last working day for Term 6	30.06.2021

F) Academic Schedule for B. Pharm. Programme

(i) Intermediate Year Students (IV and VI semesters) of B.Pharm.

S.No.	Details	Dates
1.	Commencement of classes	04.03.2021
2.	Continuous Assessment Test - I	15.04.2021 to 22.04.2021
3.	Continuous Assessment Test - II	04.06.2021 to 11.06.2021
4.	Semester End Examinations - Theory	02.08.2021 to 13.08.2021
5.	Semester End Examinations - Practical	27.08.2021 to 01.09.2021

(ii) Final Year Students (VIII semester) of B.Pharm.

S.No.	Details	Dates
1.	Commencement of classes	15.02.2021
2.	Continuous Assessment Test - I	28.03.2021 to 31.03.2021
3.	Continuous Assessment Test - II	11.05.2021 to 15.05.2021
4.	Semester End Examinations-Theory	23.07.2021 to 31.07.2021
5.	Project Viva-Voce begins	03.08.2021

(iii) First Year Students (II semester) of B.Pharm.

S. no.	Details	Dates
1.	Commencement of classes	21.04.2021
2.	Continuous Assessment Test – I begins	04.06.2021
3.	Continuous Assessment Test – II begins	12.07.2021
4.	Semester End Examinations- Theory	05.08.2021 to 16.08.2021

5.	Semester End Examinations- Practical	03.09.2021 to 08.09.2021
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G) Academic Schedule for School of Arabic and Islamic Studies

(i) B.A. and M.A. Islamic Studies (Except First Year M.A. Islamic Studies)

S.No.	Details	Dates
1)	Commencement of classes	25.01.2021
2)	Continuous Assessment Test - 1 begins	04.03.2021
3)	Commencement of regular classes in the Institution	12.04.2021
4)	Continuous Assessment Test - 2 begins	19.04.2021
5)	Semester End Examination begins	26.05.2021

(ii) First Year M.A. Islamic Studies

S.No.	Examination Details	Dates
1)	Commencement of classes	16.11.2020
2)	Continuous Assessment Test - 1 begins	04.01.2021
3)	Continuous Assessment Test - 2 begins	22.02.2021
4)	Semester End Examination in online mode	22.03.2021

The Academic Calendar and Academic Schedule 2020-21 was prepared and circulated among the faculty and students. The same was displayed in the institution website for dissemination to stakeholders.

IV. Learning Management System (LMS):

In the academic year 2020-21, the faculty and students of all the departments were engaged in teaching-learning process through Crescent LMS.

The faculty members used the online portal, for uploading course materials, PPT, videos and audios for the benefit of the students.

The assessment components were also facilitated through Crescent LMS. Internal components and formative assessments are assigned to students to ensure proper learning. Students were provided with login and user ID to access the course contents and actively participate in the learning process, in a secured manner, which is also monitored by the respective course teachers.

The following is the abstract of number of courses enrolled in the ODD and Even Semester 2020-2021 with students' & faculty members' engagement:

Odd Semester 2020-2021

S. No.	Description	Number
1	Courses enrolled	929
2	Classes configured	1620
3	Faculty members involved	438
4	Students engaged	8169

Even Semester 2020-2021

S. No.	Description	Number
1	Courses enrolled	714
2	Classes configured	1201
3	Faculty members involved	465
4	Students engaged	8206

V. Entrepreneurship Courses:

As part of the MoU signed with M/s.Wadhvani Foundation, National Entrepreneurship Network (NEN), Bangalore Basic Course in Entrepreneurship was taught to the students of B.Tech. programmes across discipline.

The course Advanced Entrepreneurship was offered as an elective for B.Tech. students aiming to become real-time entrepreneurs.

The following is the brief account of the activities undertaken through Wadhvani Foundation, National Entrepreneurship Network (NEN):

Month & Year	Social Entrepreneurship Course	Advanced Entrepreneurship Course	Total No. of Students Enrolled
ODD 2020-21 July - Dec. 2020	292	59	351
EVEN 2020-21 Jan. – June 2021	368	-	368
Total	660	59	719

VI. Value-added Courses through IIT Bombay Spoken Tutorial:

The staffs and students of all programmes were encouraged to enroll in value added courses through IIT Bombay Spoken Tutorials portal. The courses help to enrich their knowledge and gather expertise in their areas of interest.

The details of the students enrolled in the courses are given as follows:

Details	Odd Semester (2020-21)	Even Semester (2020-21)
Total number of courses enrolled	59	28
Total number of faculty involved	57	26
Total number of candidates enrolled	2656	1155

Details of Courses offered during the AY 2020-21:

I. Odd Semester of Academic Year 2020-21

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
1	Computer Applications	Java Business Application	Dr. S. Shahar Banu Associate Professor
2		Python 3.4.3	Dr. Sudha Rajesh Assistant Professor
3		Python 3.4.3	Dr. K. Javubar Sathick Associate Professor
4		R Programming	Dr. Zameer Gulzar Assistant Professor
5		R Programming	Ms. R. Shahtaj Assistant Professor
6		R Programming	Mr. A. Salman Ayaz Assistant Professor
7		R Programming	Dr. M. Mohamed Divan Masood Assistant Professor
8		R Programming	Ms. Preeti Verma Assistant Professor
9		R Programming	Mr. V. M. Niaz Ahamed Assistant Professor

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
10		RDBMS PostgreSQL	Ms. P. Padmavathy Assistant Professor (Sr. Gr.)
11		RDBMS PostgreSQL	Dr. Srisakthi Assistant Professor
12		RDBMS PostgreSQL	Dr. Shakila Anjum Assistant Professor
13		RDBMS PostgreSQL	Ms. S. Sabaria Assistant Professor
14		RDBMS PostgreSQL	Dr. A. K. Reshmy Assistant Professor
15	Electronics and Communication Engineering	Python 3.4.3	Ms. S. Anusooya Assistant Professor
16		Python 3.4.3	Ms. A. Ambika Assistant Professor (Sr. Gr.)
17		Python 3.4.3	Dr. M. Vanmathi Assistant Professor (Sr. Gr.)
18		Arduino	Dr. K. Indra Gandhi Assistant Professor (Sr. Gr.)
19		Python 3.4.3	Dr. Parnasree Chakraborty Assistant Professor (Sr. Gr.)
20	Polymer Engineering	LibreOffice Suite Base	Dr. J. Shahitha Parveen Assistant Professor
21		LibreOffice Suite Impress 6.3	Ms. R. Daulath Banu Assistant Professor
22		UCSF Chimera	Dr. S. Shamshath Begum Assistant Professor (Sr. Gr.)
23	Life Sciences	C/C++, Java and Python 3.4.3	Dr. Subhamoy Banerjee Assistant Professor
24		Cell Designer	Dr. P. Ashok Kumar Associate Professor
25		Avogadro	Dr. Sheeza Khan Assistant Professor
26		Jmol Application	Dr. Vimal kumar Assistant Professor
27		Biopython	Dr. Mohammad Waseem

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
			Assistant Professor
28		Scilab	Dr. P. Ashok Kumar Associate Professor
29	Electrical and Electronics Engineering	Python 3.4.3	Mr. S. Suresh Assistant Professor
30		Python 3.4.3	Dr. R. Zahira Assistant Professor
31		Arduino	Dr. A. Paramasivam Assistant Professor
32	Information Technology	Java Business Application	Ms. A. Sonya Assistant Professor
33		HTML	Dr. G. Kavitha Associate Professor
34		Java Business Application	Dr. R. Priyadarshini Assistant Professor (Sel. Gr.)
35	Computer Science and Engineering	Linux	Dr. C. Hema Assistant Professor (Sr. Gr.)
36		Linux	Ms. R. Akila Assistant Professor (Sr. Gr.)
37		HTML	Dr. N. Sabiyath Fatima Associate Professor
38		HTML	Mr. V. Balaji Assistant Professor
39		HTML	Dr. A. Ramachandran Assistant Professor
40		Java	Ms. A. Radhika Assistant Professor
41		Java	Mr. D. Manoj Kumar Assistant Professor
42		Java	Ms. D. Madhina Banu Assistant Professor (Sr. Gr.)
43		PERL	Ms. J. Brindha Merin Assistant Professor (Sr. Gr.)
44		Advanced C++	Ms. C. Vijayalakshmi Assistant Professor (Sr. Gr.)

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
45	Civil Engineering	Qcad	Dr. K. Yogeswari Associate Professor
46		Inkscape	Mr. B. Kannadasan Assistant Professor
47		OpenModelica	Mr. S. Dhamodharan Assistant Professor
48		OpenModelica	Ms. R. Elakya Assistant Professor
49	Mechanical Engineering	QCad	Dr. S. Jeavudeen Assistant Professor (Sr. Gr.)
50		QCad	Mr. N. Ravi kumar, Asst. Professor
51		Python 3.4.3	Dr. D. R. Rajendran Assistant Professor
52		Python 3.4.3	Mr. A. Varunkumar Assistant Professor
53		Python 3.4.3	Dr. Mohamed Bak Kamaludeen Assistant Professor
54		Python 3.4.3	Dr. A. Muthu Manokar Assistant Professor
55		Python 3.4.3	Dr. Serajul Haque Assistant Professor
56	Commerce	Front Accounting- 2.4.7	Dr. B. Ziauddeen Assistant Professor
57	Electronics and Instrumentation	Python 3.4.3	Dr. M. S. Murshitha Shajahan Assistant Professor (Sr. Gr.)
58	Engineering	Python 3.4.3	Dr. P. R. Hemavathy Assistant Professor (Sr. Gr.)

II. Even Semester of Academic Year 2020-21

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
1	Computer Applications	Java and Netbeans	Dr. P. Amudhavalli Assistant Professor
2		Java and Netbeans	Dr. M. Mohamed Divan Masood

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
			Assistant Professor
3		C and C++	Dr. V. Prasanna Assistant Professor
4		C and C++	Dr. S. Shahar Banu Associate Professor
5		C and C++	Ms. R. Shahtaj, Asst. Prof.
6		C and C++	Ms. Preeti Verma Assistant Professor
7		C and C++	Ms. T. Pandiyavathi Assistant Professor
8		C and C++	Mr. V. M. Niaz Ahamed Assistant Professor
9		Joomla	Dr. Sudha Rajesh Assistant Professor
10		Python 3.4.3	Dr. V. Shenbaga Priya Assistant Professor
11		Python 3.4.3	Dr. A. K. Ashfauk Ahamed Assistant Professor
12		Python 3.4.3	Dr. A. K. Reshmy Assistant Professor
13		Python 3.4.3	Dr. A. Abdul Azeez Khan Associate Professor
14		Python 3.4.3	Dr. Zameer Gulzar Assistant Professor
15		Python 3.4.3	Ms. S. Sabaria Assistant Professor
16		Python 3.4.3	Ms. K. Indra Gandhi Assistant Professor (Sr. Gr.)
17	Electronics and Communication	Java	Dr. Parnasree Chakraborty Assistant Professor (Sr. Gr.)
18	Engineering	HTML	Dr. Parnasree Chakraborty Assistant Professor (Sr. Gr.)
19		Python Django	Ms. A. Ambika Assistant Professor (Sr. Gr.)

S. No	Name of the Department	Name of the IIT B Spoken Tutorial Course	Name of the faculty and designation
20		Python Django	Dr. M. Vanmathi Assistant Professor (Sr. Gr.)
21		LaTeX	Ms. S. Anusooya, Assistant Professor
22	Computer Science and Engineering	C and C++	Dr. V. Muthu Priya Assistant Professor (Sel. Gr)
23		PHP and MySQL	Mr. D. Manoj Kumar Assistant Professor
24		R Programming	Ms. R. Akila Assistant Professor (Sr. Gr.)
25		R Programming	Ms. C. Vijayalakshmi Assistant Professor (Sr. Gr.)
26		R Programming	Ms. J. Brindha Merin Assistant Professor (Sr. Gr.)
27	Civil Engineering	Qcad	Dr. K. Yogeswari Associate Professor

VII. Result Analysis:

The results of the examinations during the academic year 2020-21 were analyzed and the details are as follows:

ACADEMIC YEAR 2020-21 – ODD SEMESTER

a) UG PROGRAMMES:

SEMESTER: I

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech Programmes							
Civil Engg.	21	19	90	1	0	0	1
Aeronautical Engg.	20	20	100	0	0	0	0
Automobile Engg.	6	6	100	0	0	0	0
Mechanical Engg.	28	28	100	0	0	0	0

Polymer Engg.	5	5	100	0	0	0	0
Electrical & Electronics Engg.	11	9	82	0	1	1	0
Electronics & Communication Engg.	40	37	93	2	0	1	0
Electronics & Instrumentation Engg.	4	4	100	0	0	0	0
Computer Science Engg. (A, B & C)	153	146	95	3	1	1	2
Information Technology	48	45	94	3	0	0	0
Biotechnology	52	46	88	6	0	0	0
Artificial Intelligence & DS	60	59	98	1	0	0	0
CSE – Cyber Security	26	23	88	1	2	0	0
CSE – Internet of Things	24	22	92	1	0	0	1
TOTAL	498	469	94				
B.Arch. / B.Des. Programme							
B.Arch. (A&B)	60	55	80	2	1	0	2
B.Des.	37	33	89	3	1	0	0
TOTAL	97	88	91				
Arts & Science Programmes							
B.C.A. (CTIS) (A&B)	85	55	65	21	7	2	0
B.C.A. (MAIS)	13	12	92	0	0	1	0
B.C.A. (DS)	55	45	82	9	1	0	0
B.C.A. (MWAD)	10	8	80	1	1	0	0
B.Sc. (CS) (A&B)	85	58	68	20	2	3	2
B.Sc. (Biotechnology)	43	36	84	5	0	2	0
B.Pharm.	60	50	83	9	0	1	0
BA LLB (Hons.)	60	50	83	6	2	0	2
BBA LLB (Hons.) (A&B)	93	85	91	3	1	0	4
B.Com (G) (A,B, C &D)	242	217	90	18	3	3	1
B.Com (A&F) (A&B)	127	112	88	9	5	0	3
B.Com. (Hons.)	61	55	90	6	0	0	0
B.B.A. (General)	66	59	89	5	1	0	1
B.B.A. (F&S)	59	48	81	7	2	0	2
B.A. (Islamic Studies)(A&B)	89	50	56	26	6	1	6
B.A. English (Hons.)	12	10	83	2	0	0	0
TOTAL	1160	950	84				

Overall Total	1755	1507	86				
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SEMESTER: III

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech Programmes							
Civil Engg.	37	35	95	0	0	1	2
Aeronautical Engg.	26	23	88	2	1	0	0
Automobile Engg.	16	15	94	1	0	0	0
Mechanical Engg. (A & B)	65	62	94	2	2	0	0
Polymer Engg.	20	16	80	3	0	0	1
Electrical & Electronics Engg.	40	39	98	1	0	0	0
Electronics & Communication Engg. (A&B)	83	79	95	1	1	0	2
Electronics & Instrumentation Engg.	10	9	90	0	0	1	0
Computer Science Engg. (A, B & C)	179	177	99	0	1	0	1
Information Technology	57	55	96	2	0	0	0
Biotechnology	41	41	100	0	0	0	0
TOTAL	574	551	96				
B.Arch. / B.Des. Programme							
B.Arch. (A&B)	106	104	98	0	0	0	2
B.Des. (A)	39	36	92	1	0	0	2
TOTAL	145	140	97				
Arts & Science Programmes							
B.C.A. (CTIS) (A&B)	117	115	98	1	1	0	0
B.C.A. (MAIS)	20	19	95	1	0	0	0
B.C.A. (DS)	50	48	96	1	0	0	1
B.C.A. (MWAD)	22	19	86	3	0	0	0
B.Sc. (CS) (A&B)	83	74	89	5	0	3	2
B.Sc. (Biotechnology)	50	41	82	6	0	1	2
B.Pharm.	43	36	84	5	1	0	1
BA LLB (Hons.)	22	16	73	3	2	1	0
BBA LLB (Hons.) (A&B)	91	68	75	10	6	3	4

B.Com (G) (A,B,C&D)	225	198	88	15	6	2	4
B.Com (A&F) (A&B)	102	79	77	16	3	1	3
B.Com. (Hons.)	65	63	97	1	0	0	1
B.B.A. (General & EFB)	70	55	79	7	2	1	5
B.B.A. (F&S)	35	25	71	2	2	1	5
B.A. (Islamic Studies) (A&B)	76	52	71	15	5	2	2
B.A. English (Hons.)	18	16	89	0	2	0	0
TOTAL	1089	924	85				
Overall Total	1808	1615	89				

SEMESTER: V

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech. Programmes							
Civil Engg.	51	39	76	2	7	0	3
Aeronautical Engg.	30	27	90	3	0	0	0
Automobile Engg.	34	30	88	1	1	1	1
Mechanical Engg. (A & B)	121	109	90	8	2	0	2
Polymer Engg.	13	12	92	1	0	0	0
Electrical & Electronics Engg.	24	24	100	0	0	0	0
Electronics & Communication Engg. (A & B)	96	95	99	0	0	0	1
Electronics & Instrumentation Engg.	16	15	94	1	0	0	0
Computer Science Engg. (A, B & C)	176	174	98	1	0	1	0
Information Technology	56	54	96	2	0	0	0
Biotechnology	44	41	93	2	1	0	0
TOTAL	661	620	94				
B.Arch. / B.Des. Programme							
B.Arch. (A,B)	60	54	90	3	2	0	1
B.Des.	31	24	77	7	0	0	0
TOTAL	91	78	86				
Arts & Science Programmes							
B.C.A. (CTIS) (A & B)	103	92	89	4	1	3	3
B.C.A. (MAIS)	24	20	83	2	0	1	1

B.C.A. (DS)	41	39	95	2	0	0	0
B.Sc. (CS) (A&B)	73	65	89	5	2	1	0
B.Sc. (Biotechnology)	58	52	90	4	1	1	1
B.Pharm.	65	62	97	0	2	1	0
B.Com. LLB (Hons.)	17	15	88	1	0	0	1
BBA LLB (Hons.)	55	46	84	5	2	2	0
B.Com (G) (A,B,C, D & E)	323	304	94	11	2	1	7
B.Com (A&F) (A&B)	111	99	89	10	1	1	0
B.B.A. (FS)	65	58	89	2	2	1	2
B.A. (Islamic Studies) (A&B)	60	44	78	10	4	1	1
TOTAL	995	896	90				
Overall Total	1747	1594	91				

SEMESTER: VII

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech Programmes							
Civil Engg. (A&B)	79	77	97	2	0	0	0
Aeronautical Engg.	21	9	43	5	4	3	0
Automobile Engg.	45	43	96	1	0	0	1
Mechanical (A,B& C)	181	176	97	4	1	0	0
Polymer Engg.	17	17	100	0	0	0	0
Electrical & Electronics Engg.	31	31	100	0	0	0	0
Electronics&Communication Engg. (A&B)	102	99	97	3	0	0	0
Electronics &Instrumentation Engg.	27	26	96	1	0	0	0
Computer Science Engg. (A, B & C)	139	139	100	0	0	0	0
Information Technology	38	38	100	0	0	0	0
Biotechnology (A, B & C)	122	118	97	1	1	0	2
TOTAL	802	773	96				
B.Arch. / B.Des. Programme							
B.Arch. (A)	41	38	93	2	0	0	1

B.Des.	34	34	100	0	0	0	0
TOTAL	75	72	96				
Arts & Science Programmes							
B.Pharm.	59	56	95	2	1	0	0
B.Com. LLB (Hons.)	19	16	84	2	0	0	1
BBA LLB (Hons.)	30	28	93	0	0	2	0
TOTAL	108	100	93				
Overall Total	985	945	96				

SEMESTER: IX

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Arch. Programme							
B.Arch. (A,B)	75	58	77	14	1	0	2
TOTAL	75	58	77				

CONSOLIDATED DETAILS (UG Programmes)	I SEM	III SEM	V SEM	VII SEM	IX SEM
Total no. of students Appeared	1755	1808	1747	945	75
Total no. of students Passed in all subjects	1507	1615	1594	985	58
Over all Pass %	86	89	91	96	77

b) PG Programmes:

SEMESTER: I

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
M.Tech. / M.Arch. / MCA / MBA Programmes							
Structural Engg.	11	10	91	1	0	0	0
Construction Engg. Project Management (CEPM)	5	5	100	0	0	0	0
CAD-CAM	4	4	100	0	0	0	0
Avionics	3	3	100	0	0	0	0
Power System Engg.	6	4	67	1	1	0	0
VLSI & Embedded Systems	4	4	100	0	0	0	0

Computer Science Engg.	4	4	100	0	0	0	0
Information Technology	5	5	100	0	0	0	0
Biotechnology	15	14	93	0	0	1	0
M.Arch.	9	7	78	2	0	0	0
MCA (A & B)	88	79	90	7	1	1	0
M.B.A. (A & B)	137	124	91	8	4	0	1
M.Sc. Programmes							
M.Sc. (Actuarial Sciences)	15	13	87	1	1	0	1
M.Sc. (Physics)	36	35	97	1	0	0	0
M.Sc. (Chemistry)	40	40	100	0	0	0	0
M.Sc.(Biotechnology)	34	31	91	3	0	0	0
M.Sc.(Microbiology)	21	14	67	3	3	0	1
M.Sc. (Biochemistry & Molecular Biology)	8	8	100	0	0	0	0
Arts Programme							
M.A. (Islamic Studies)	20	20	100	0	0	0	0
M.Com.	16	14	88	0	0	0	2
TOTAL	481	438	91				

SEMESTER: III

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
M.Tech. / M.Arch. / MCA / MBA Programmes							
Structural Engg.	14	13	93	1	0	0	0
Construction Engg. Project Management (CEPM)	12	12	100	0	0	0	0
CAD-CAM	6	5	83	0	1	0	0
Avionics	2	2	100	0	0	0	0
Communication System	2	2	100	0	0	0	0
Computer Science Engg.	3	3	100	0	0	0	0
Biotechnology	9	9	100	0	0	0	0
M.Arch.	6	6	100	0	0	0	0
MCA	3	3	100	0	0	0	0
M.B.A. (A & B)	119	111	93	7	1	0	0
M.Sc. Programmes							

M.Sc. (Actuarial Sciences)	14	14	100	0	0	0	0
M.Sc. (Physics)	23	22	96	1	0	0	0
M.Sc. (Chemistry)	34	33	97	1	0	0	0
M.Sc.(Biotechnology)	18	16	91	0	0	0	2
M.Sc.(Microbiology)	22	20	91	1	0	0	1
M.Sc. (Biochemistry & Molecular Biology)	11	11	100	0	0	0	0
Arts Programme							
M.A. (Islamic Studies)	31	28	90	1	0	1	1
TOTAL	329	310	94				

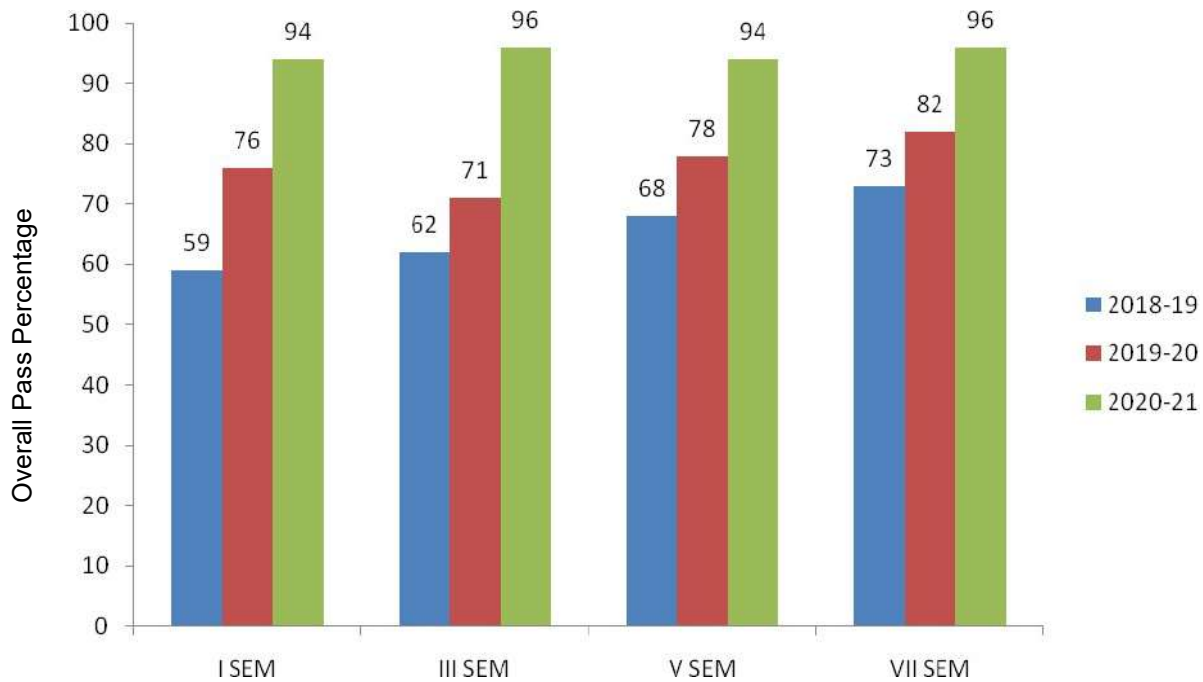
SEMESTER: V

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
MCA - V sem (A&B)	97	95	98	2	0	0	0

CONSOLIDATED DETAILS (PG)	I Sem	III Sem	V Sem
Total no. of students Appeared	461	329	97
Total no. of students Passed in all subjects	418	310	95
Over all Pass Percentage	91	94	98

c) COMPARATIVE ANALYSIS OF RESULTS (ODD 2020-21) :

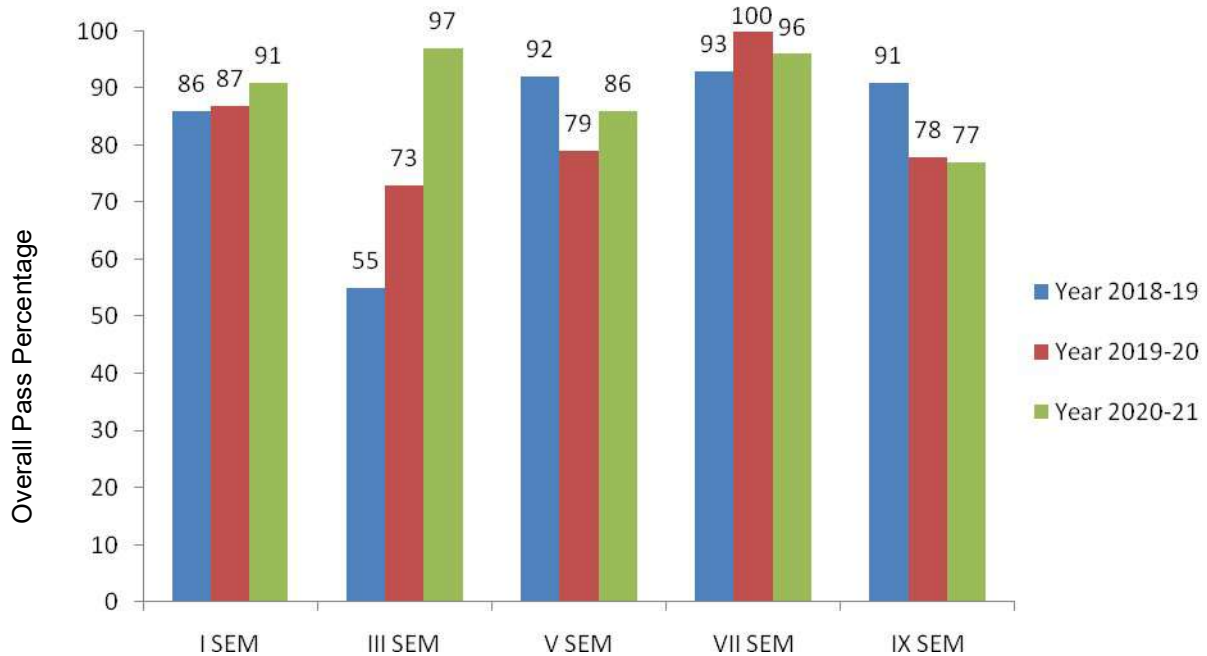
(i) Overall Comparison of Odd Semester Results in the AY 2018-19, 2019-20 & 2020-21: B.Tech. Programmes



Semester	AY 2018-19	AY 2019-20	AY 2020-21
I SEM	59	76	94
III SEM	62	71	96
V SEM	68	78	94
VII SEM	73	82	96

Semester	AY 2018-19			AY 2019-20			AY 2020-21		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
I SEM	625	370	59	586	445	76	498	469	94
III SEM	807	497	62	668	473	71	574	551	96
V SEM	831	565	68	805	627	78	661	620	94
VII SEM	808	593	73	826	674	82	802	773	96

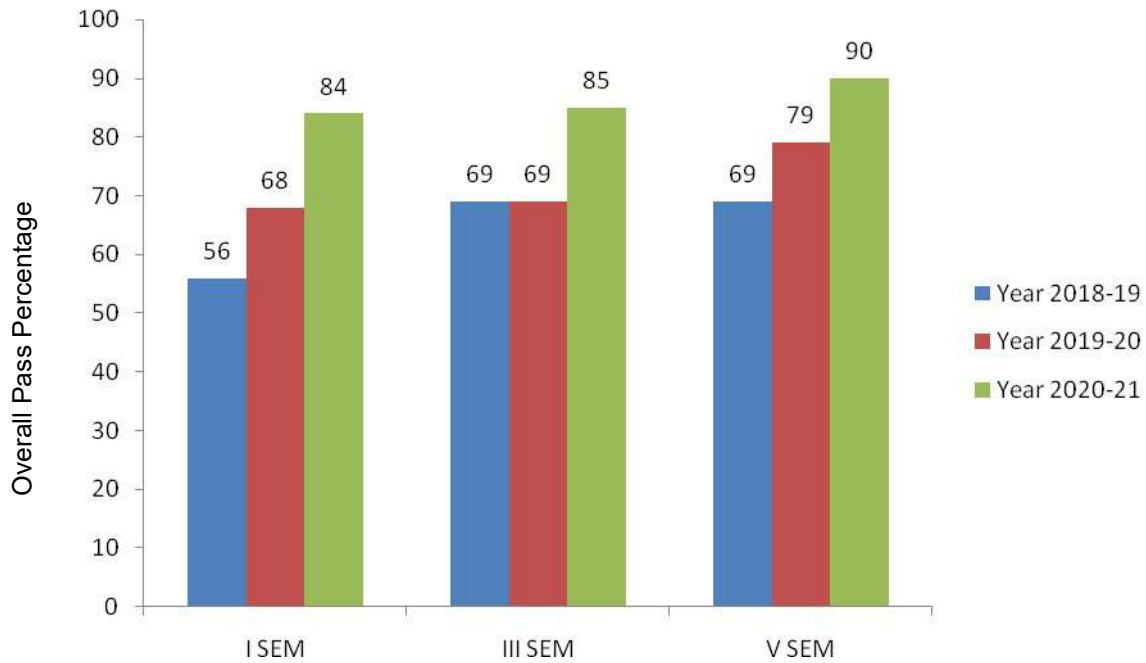
(ii) Overall Comparison of Odd Semester Results in the AY 2018-19, 2019-20 & 2020-21: B.Arch. and B.Des. Programmes



Semester	AY 2018-19	AY 2019-20	AY 2020-21
I SEM	86	87	91
III SEM	55	73	97
V SEM	92	79	86
VII SEM	93	100	96
IX SEM	91	78	77

Semester	AY 2018-19			AY 2019-20			AY 2020-21		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
I SEM	99	85	86	111	97	87	97	88	91
III SEM	84	46	55	92	67	73	145	140	97
V SEM	74	68	92	84	66	79	91	78	86
VII SEM	74	69	93	75	75	100	75	72	96
IX SEM	74	67	91	73	57	78	75	58	77

(iii) Overall Comparison of Odd Semester Results in the AY 2018-19, 2019-20 & 2020-21: Arts & Science Programmes (B.C.A. / B.Sc. / B.Pharm. / LLB/ B.Com./ B.B.A./ B.A)



Semester	AY 2018-19	AY 2019-20	AY 2020-21
I SEM	56	68	84
III SEM	69	69	85
V SEM	69	80	90

Semester	AY 2018-19			AY 2019-20			AY 2020-21		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
I SEM	1028	575	56	1002	681	68	1160	950	84
III SEM	734	510	69	1020	700	69	1089	924	85
V SEM	150	103	69	672	535	80	995	896	90

ACADEMIC YEAR 2020-21 – EVEN SEMESTER

a) UG PROGRAMMES:

SEMESTER: II

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech Programmes							
Civil Engg.	20	20	100	0	0	0	0
Aeronautical Engg.	20	19	95	0	1	0	0
Automobile Engg.	6	5	83	1	0	0	0
Mechanical Engg.	28	23	82	4	0	0	1
Polymer Engg.	5	5	100	0	0	0	0
Electrical & Electronics Engg.	11	9	82	2	0	0	0
Electronics & Communication Engg.	40	37	93	3	0	0	0
Electronics & Instrumentation Engg.	4	4	100	0	0	0	0
Computer Science Engg. (A, B & C)	151	142	94	8	1	0	0
Information Technology	48	46	96	2	0	0	0
Biotechnology	52	49	94	2	1	0	0
Artificial Intelligence & DS	60	58	97	2	0	0	0
CSE – Cyber Security	26	26	100	0	0	0	0
CSE – Internet of Things	23	23	100	0	0	0	0
TOTAL	494	466	94				
B.Arch. / B.Des. Programme							
B.Arch. (A&B)	57	55	96	2	0	0	0
B.Des.	37	36	97	1	0	0	0
TOTAL	94	91	97				
Arts & Science Programmes							
B.C.A. (CTIS) (A&B)	85	79	93	6	0	0	0
B.C.A. (MAIS)	13	13	100	0	0	0	0
B.C.A. (DS)	55	50	91	4	0	1	0
B.C.A. (MWAD)	10	10	100	0	0	0	0
B.Sc. (CS) (A&B)	85	78	92	4	1	0	2

B.Sc. (Biotechnology)	39	37	95	2	0	0	0
B.Pharm.	60	45	75	8	7	0	0
BA LLB (Hons.)	56	44	79	8	1	1	2
BBA LLB (Hons.) (A&B)	92	80	87	6	2	0	4
B.Com (G) (A,B, C &D)	242	226	93	10	5	1	0
B.Com (A&F) (A&B)	126	116	92	5	1	1	3
B.Com. (Hons.)	61	61	100	0	0	0	0
B.B.A. (General)	66	55	83	7	3	0	1
B.B.A. (F&S)	58	53	91	5	0	0	0
B.A. (Islamic Studies) (A&B)	89	74	83	9	0	1	5
B.A. English (Hons.)	12	8	67	1	0	1	2
TOTAL	1149	1029	90				
Overall Total	1737	1586	91				

Semester: IV

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech Programmes							
Civil Engg.	39	37	95	2	0	0	0
Aeronautical Engg.	28	26	93	0	1	1	0
Automobile Engg.	19	18	100	1	0	0	0
Mechanical Engg. (A & B)	74	72	97	1	0	1	0
Polymer Engg.	30	20	67	9	1	0	0
Electrical & Electronics Engg.	43	42	98	0	1	0	0
Electronics & Communication Engg. (A&B)	86	84	98	0	0	0	2
Electronics & Instrumentation Engg.	10	9	90	1	0	0	0
Computer Science Engg. (A, B & C)	183	172	94	6	3	0	2
Information Technology	57	54	95	2	1	0	0
Biotechnology	41	40	98	1	0	0	0
TOTAL	610	574	94				

B.Arch. / B.Des. Programme							
B.Arch. (A&B)	70	68	97	1	0	0	1
B.Des.	37	37	100	0	0	0	0
TOTAL	107	105	98				
Arts & Science Programmes							
B.C.A. (CTIS) (A&B)	117	110	94	6	0	0	1
B.C.A. (MAIS)	20	18	90	0	2	0	0
B.C.A. (DS)	51	47	92	3	0	0	1
B.C.A. (MWAD)	22	20	91	1	0	1	0
B.Sc. (CS) (A&B)	83	79	95	3	0	1	0
B.Sc. (Biotechnology)	50	39	78	9	2	0	0
B.Pharm.	42	25	60	10	4	2	1
BA LLB (Hons.)	22	18	82	3	0	0	1
BBA LLB (Hons.) (A&B)	91	82	90	2	2	1	4
B.Com (G) (A,B,C&D)	225	185	82	18	10	2	10
B.Com (A&F) (A&B)	102	85	83	10	3	2	2
B.Com. (Hons.)	65	61	94	3	0	0	1
B.B.A. (General & EFB)	70	58	83	3	1	6	2
B.B.A. (F&S)	33	23	70	4	3	0	3
B.A. (Islamic Studies) (A&B)	74	68	92	5	0	0	1
B.A. English (Hons.)	18	18	100	0	0	0	0
TOTAL	1085	936	86				
Overall Total	1802	1615	90				

SEMESTER: VI

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech. Programmes							
Civil Engg.	50	43	86	1	1	3	2
Aeronautical Engg.	30	28	93	2	0	0	0
Automobile Engg.	34	32	94	2	0	0	0
Mechanical Engg. (A & B)	121	112	93	7	2	0	0
Polymer Engg.	13	13	100	0	0	0	0
Electrical & Electronics	24	23	96	1	0	0	0

Engg.							
Electronics & Communication Engg. (A & B)	96	96	100	0	0	0	0
Electronics & Instrumentation Engg.	16	16	100	0	0	0	0
Computer Science Engg. (A, B & C)	175	170	97	4	1	0	0
Information Technology	56	54	96	1	1	0	0
Biotechnology	44	44	100	0	0	0	0
TOTAL	659	631	96				
B.Arch. / B.Des. Programme							
B.Arch. (A,B)	59	58	98	1	0	0	0
B.Des.	31	31	100	0	0	0	0
TOTAL	90	89	99				
Arts & Science Programmes							
B.C.A. (CTIS) (A & B)	103	95	92	4	3	1	0
B.C.A. (MAIS)	24	22	92	0	2	0	0
B.C.A. (DS)	41	41	100	0	0	0	0
B.Sc. (CS) (A&B)	73	73	100	0	0	0	0
B.Sc. (Biotechnology)	58	57	98	1	0	0	0
B.Pharm.	64	51	95	7	0	4	2
B.Com. LLB (Hons.)	17	14	82	3	0	0	0
BBA LLB (Hons.)	55	50	91	2	0	2	1
B.Com (G) (A,B,C, D & E)	325	308	95	7	2	2	6
B.Com (A&F) (A&B)	118	108	92	2	1	0	7
B.B.A. (FS)	65	58	89	6	0	1	0
B.A. (Islamic Studies) (A&B)	60	60	100	0	0	0	0
TOTAL	1003	937	93				
Overall Total	1752	1657	95				

SEMESTER: VIII

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Tech Programmes							
Civil Engg. (A&B)	79	79	100	0	0	0	0
Aeronautical Engg.	21	21	100	0	0	0	0
Automobile Engg.	45	44	98	1	0	0	0
Mechanical (A,B& C)	181	181	100	0	0	0	0
Polymer Engg.	17	17	100	0	0	0	0
Electrical & Electronics Engg.	31	31	100	0	0	0	0
Electronics&Communication Engg. (A&B)	102	102	100	0	0	0	0
Electronics & Instrumentation Engg.	27	27	100	0	0	0	0
Computer Science Engg. (A, B & C)	139	139	100	0	0	0	0
Information Technology	38	38	100	0	0	0	0
Biotechnology (A, B & C)	122	120	98	2	0	0	0
TOTAL	802	799	99				
B.Arch. / B.Des. Programme							
B.Arch. (A)	40	40	100	0	0	0	0
B.Des.	43	41	95	2	0	0	0
TOTAL	83	81	98				
Arts & Science Programmes							
B.Pharm.	59	59	100	0	0	0	0
B.Com. LLB (Hons.)	18	18	100	0	0	0	0
BBA LLB (Hons.)	30	27	90	2	0	0	1
TOTAL	107	104	97				
Overall Total	992	984	99				

SEMESTER: X

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
B.Arch. Programme							
B.Arch. (A,B)	73	73	100	0	0	0	0

CONSOLIDATED DETAILS (UG Programmes)	II SEM	IV SEM	VI SEM	VIII SEM	X SEM
Total no. of students Appeared	1737	1802	1752	992	73
Total no. of students Passed in all subjects	1586	1615	1657	984	73
Over all Pass %	91	90	84	99	100

b) PG Programmes:

SEMESTER: II

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
M.Tech. / M.Arch. / MCA / MBA Programmes							
Structural Engg.	11	11	100	0	0	0	0
Construction Engg. Project Management (CEPM)	5	5	100	0	0	0	0
CAD-CAM	4	4	100	0	0	0	0
Avionics	3	3	100	0	0	0	0
Power System Engg.	6	5	83	0	0	1	0
VLSI & Embedded Systems	4	4	100	0	0	0	0
Computer Science Engg.	4	4	100	0	0	0	0
Information Technology	5	4	80	0	0	0	1
Biotechnology	15	14	93	1	0	0	0
M.Arch.	9	6	67	1	1	1	0
MCA (A & B)	88	81	92	6	0	1	0
M.B.A. (A & B)	136	127	93	7	0	1	1
M.Sc. Programmes							
M.Sc. (Actuarial Sciences)	14	14	100	0	0	0	0
M.Sc. (Physics)	36	36	100	0	0	0	0
M.Sc. (Chemistry)	40	40	100	0	0	0	0
M.Sc.(Biotechnology)	34	32	94	2	0	0	0
M.Sc.(Microbiology)	21	17	81	2	0	0	2
M.Sc. (Biochemistry & Molecular Biology)	8	8	100	0	0	0	0
Arts Programme							

M.A. (Islamic Studies)	20	20	100	0	0	0	0
M.Com.	14	14	100	0	0	0	0
TOTAL	477	449	94				

SEMESTER: IV

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
M.Tech. / M.Arch. / MCA / MBA Programmes							
Structural Engg.	14	14	100	0	0	0	0
Construction Engg. Project Management (CEPM)	12	12	100	0	0	0	0
CAD-CAM	6	6	100	0	0	0	0
Avionics	2	2	100	0	0	0	0
Communication System	2	2	100	0	0	0	0
Computer Science Engg.	3	3	100	0	0	0	0
Biotechnology	9	9	100	0	0	0	0
M.Arch.	7	7	100	0	0	0	0
MCA	3	3	100	0	0	0	0
M.B.A. (A & B)	119	119	100	0	0	0	0
M.Sc. Programmes							
M.Sc. (Actuarial Sciences)	14	14	100	0	0	0	0
M.Sc. (Physics)	23	23	100	0	0	0	0
M.Sc. (Chemistry)	34	34	100	0	0	0	0
M.Sc.(Biotechnology)	18	16	89	2	0	0	0
M.Sc.(Microbiology)	22	21	95	1	0	0	0
M.Sc. (Biochemistry & Molecular Biology)	12	11	92	1	0	0	0
Arts Programme							
M.A. (Islamic Studies)	31	27	87	2	1	0	1
TOTAL	331	323	96				

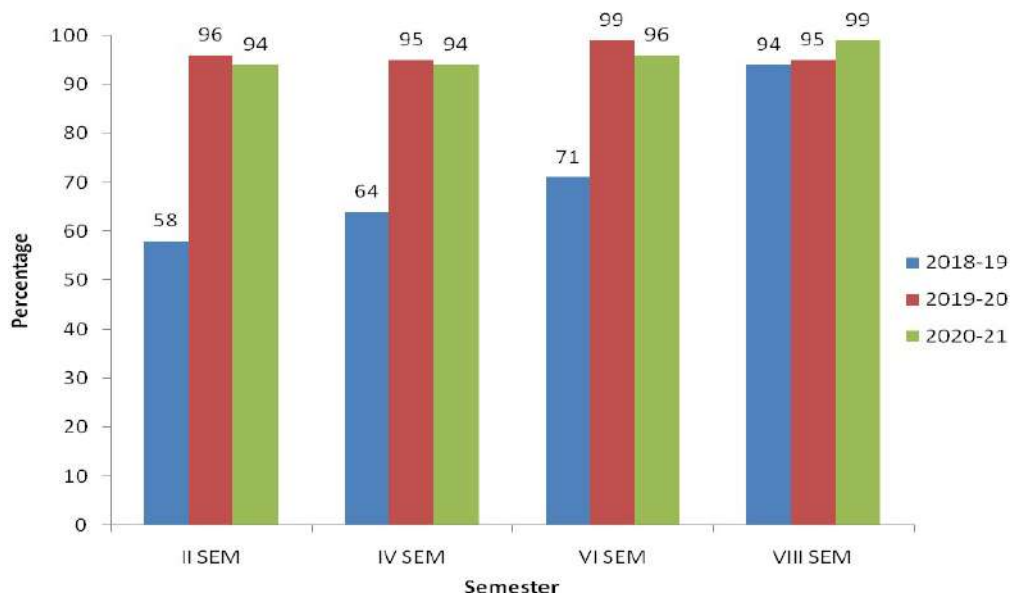
SEMESTER: VI

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
MCA - VI sem (A&B)	99	98	99	1	0	0	0

CONSOLIDATED DETAILS (PG)	II Sem	IV Sem	VI Sem
Total no. of students Appeared	477	331	99
Total no. of students Passed in all subjects	449	323	98
Over all Pass Percentage	94	96	99

c) COMPARATIVE ANALYSIS OF RESULTS (EVEN 2020-21):

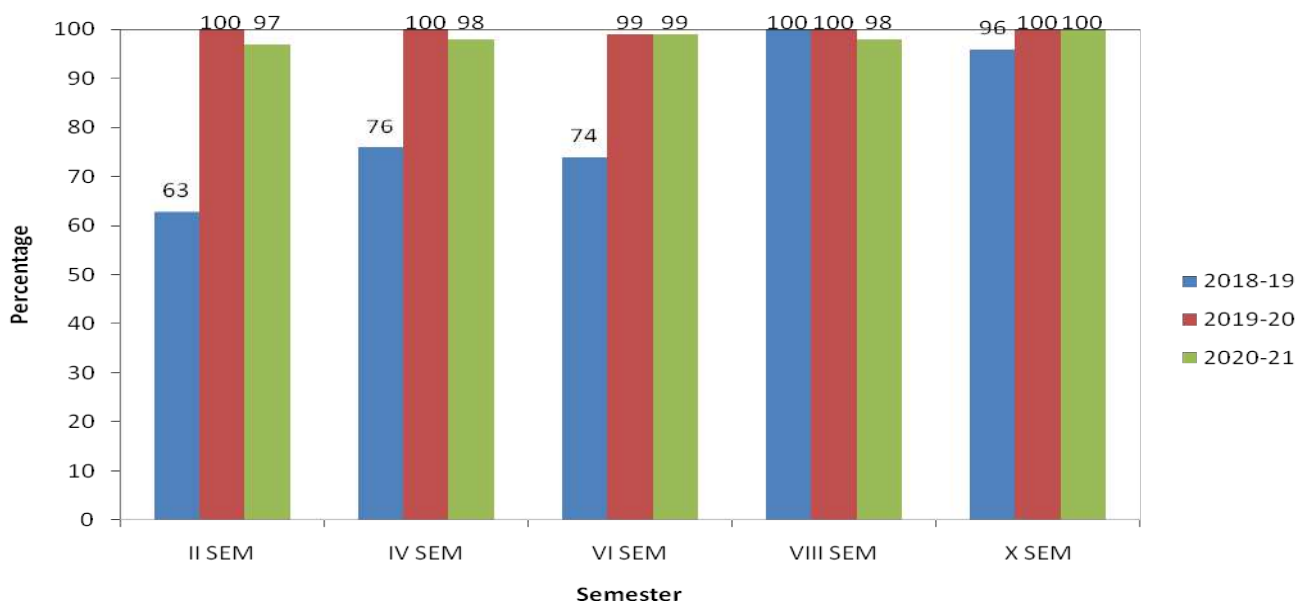
(i) Overall Comparison of Even Semester Results in the AY 2018-19, 2019-20 & 2020-21: B.Tech. Programmes



Semester	AY 2018-19	AY 2019-20	AY 2020-21
II	58	96	94
IV	64	95	94
VI	71	99	96
VIII	94	95	99

	AY 2018-19			AY 2019-20			AY 2020-21		
Semester	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	622	361	58	581	560	96	491	466	94
IV	809	519	64	663	633	95	610	574	94
VI	832	587	71	801	789	99	659	631	96
VIII	809	758	94	831	786	95	802	799	99

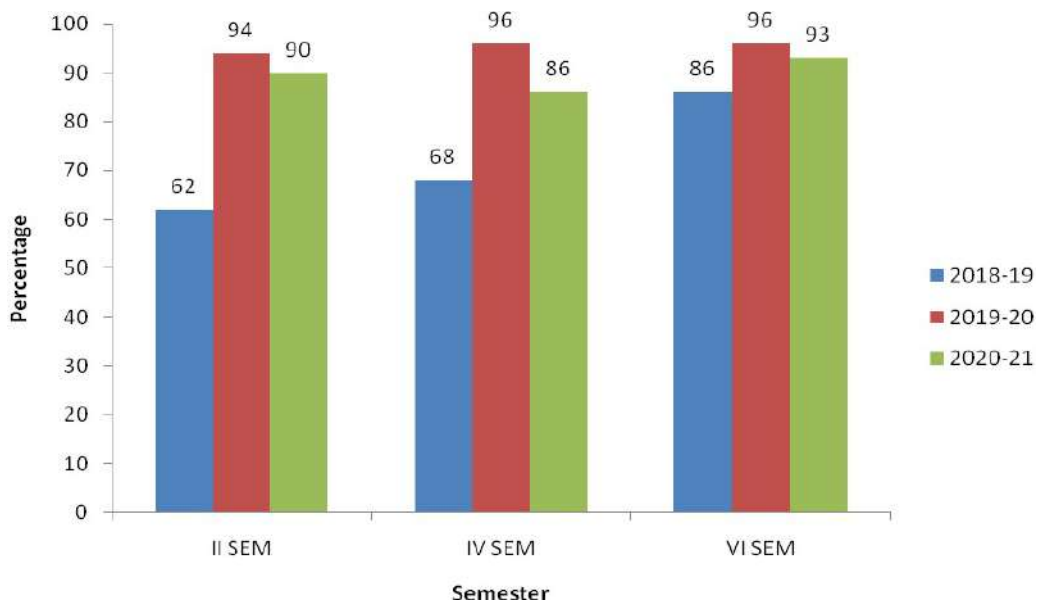
(ii) Overall Comparison of Even Semester Results in the AY 2018-19, 2019-20 & 2020-21: B.Arch. and B.Des. Programmes



Semester	AY 2018-19	AY 2019-20	AY 2020-21
II	63	100	97
IV	76	100	98
VI	74	99	99
VIII	100	100	98
X	96	100	100

Semester	AY 2018-19			AY 2019-20			AY 2020-21		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	96	60	63	110	110	100	94	91	97
IV	86	63	76	91	91	100	107	105	98
VI	73	54	74	83	82	99	90	89	99
VIII	73	73	100	75	75	100	83	81	98
X	74	71	96	73	73	100	73	73	100

(iii) Overall Comparison of Even Semester Results in the AY 2018-19, 2019-20 & 2020-21: Arts & Science Programmes (B.C.A. / B.Sc. / B.Pharm. / LLB/ B.Com./ B.B.A./ B.A)



Semester	AY 2018-19	AY 2019-20	AY 2020-21
II	62	94	90
IV	68	96	86
VI	86	96	93

Semester	AY 2018-19			AY 2019-20			AY 2020-21		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	909	568	62	948	888	94	1149	1029	90
IV	732	501	68	864	827	96	1085	936	86
VI	147	127	86	612	590	96	1003	937	93

VIII. Important events and activities:

The following are the statutory body meetings organized during the academic year 2020-21 and the details are as follows:

These meetings have been instrumental in providing inputs for evolving the curricula and syllabi of various programmes to meet the needs of the industry, technological advancements, market trends and societal requirements.

Academic Meetings	Dates
Meeting of Board of Studies of various Departments	Nov. – Dec. 2020
Standing committee meeting of the 16 th Academic Council	21 st December 2020
16 th meeting of the Academic Council	23 rd December 2020
Meeting of Board of Studies of various departments	June – July 2021
Standing committee meeting of the 17 th Academic Council	10 th July 2021
17 th meeting of the Academic Council	15 th July 2021

IX. Events / Sessions organized / conducted:

Frequent meetings were held with the Deans, Directors and Heads of the Departments to review the teaching – learning process, for discussion on developmental plans and to review the measures taken to implement quality initiatives.

These meetings were scheduled as listed below:

S.No.	Details of Meeting	Date
1	Meeting of Deans, Directors and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	08 th July 2020
2	Meeting of Deans, Directors and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	23 rd July 2020

3	Meeting of Deans, Directors and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	11 th August 2020
4	Meeting of Deans, Directors and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	15 th September 2020
5	Meeting of all faculty chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	01 st October 2020
6	Meeting of all faculty chaired by Dean (Academic Affairs)	20 th October 2020
7	Meeting of Deans, Directors and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	6 th November 2020
8	Meeting of Deans and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	07 th January 2021
9	Meeting of Deans and HoDs chaired by the Pro-Vice Chancellor & Vice Chancellor i/c	23 rd January 2021
10	Meeting of Schools Deans and HoDs chaired by Dean (Academic Affairs)	17 th February 2021
11	Meeting of Schools Deans and HoDs chaired by the Vice Chancellor	26 th February 2021
12	Meeting of Deans, Directors and HoDs chaired by the Vice Chancellor	15 th April 2021
13	Meeting of Deans, Directors and HoDs chaired by the Vice Chancellor	26 th May 2021
14	Meeting of Deans, Directors and HoDs chaired by the Vice Chancellor	03 rd June 2021

- Dr. M. S. Haji Sheik Mohammed, Dean Academic Affairs conducted a training programme for the faculty members, organized by the institute's Faculty Training Academy on 2nd June 2021.

Events Conducted in the AY 2020-21:

S. No.	Name of the Programme	Date
1.	Training programme for newly inducted faculty members on “Academic Activities at CRESCENT” in association with Faculty Training Academy	02.06.2021
2.	Award of Appreciation Ceremony - IIT Bombay Spoken Tutorial - Odd and Even Semester 2019-20	23.01.2021
3.	Online Orientation Programme for freshers of first year PG Programmes	09.11.2020
4.	Virtual Orientation Programme for Freshers of Masters of Business Administration	28.10.2020
5.	Virtual Orientation Programme for Freshers of Crescent School of Law and Crescent School of Pharmacy Programmes	22.10.2020
6.	3 weeks Student Induction Programme (SIP) for first year B.Tech students	14.10.2020 – 04.11.2020
7.	Online Orientation Programme for freshers of B.Tech. Programme	14.10.2020
8.	Online Orientation Programme for Freshers of BCA & B.Sc. Programmes	09.10.2020
9.	Online Orientation Programme for Freshers of B.Com., BBA & B.A. English (Hons.) Programmes	07.10.2020
10.	Seven- day Faculty Development Programme on "Android Appusing Kotlin (in ONLINE MODE)" in collaboration with IIT Bombay Spoken Tutorial	10.08.2020 - 16.08.2020
11.	Online workshop on “Design and Development of E-Content” for faculty members in association with Centre for Innovation in Teaching and Learning (CITL)	12.08.2020

S. No.	Name of the Programme	Date
12.	Online workshop on "Hands on Training for Crescent LMS" for faculty members in association with Office of Data Centre	04.08.2020

ACADEMIC RESEARCH

Sl No.	Content
1.	Abstract
2.	Research Board of BSACIST
3.	A glimpse of research board meetings
4.	Research - administrative structure
5.	Status of research scholars – 2021
6.	Details of Ph.D. admission during January - 2021 session
7.	Details of Ph.D. admission during July -2021 session
8.	Call for Ph.D. admission for January - 2022 session
9.	Road Map for Research Scholars and Faculty members
10.	Details of Post-Doctoral Fellowship (PDF) – 2021
11.	Research Incentives Scheme – awardees lists
12.	Research visibility and status
13.	Summary

Abstract

B.S.Abdur Rahman Crescent Institute of Science and Technology (BSACIST) “A Research Intensive Institution” lays great emphasis on academics and research, in its endeavor to become a premier Institute contributing to the Scientific and Technological Development of our Country. As reflected in the vision statement of the Institute, research remains one of the significant areas of focus. The Institution has a well-established administrative structure to ensure quality research. The Research Advisory Committee and Research Board comprising eminent researchers in the field of Science, Engineering, and Technology give directions to the overall research activities of the Institute.

The Institute offers Ph.D. programme through various departments / schools. Out of **437** faculty members, **279** have Ph.D. qualifications, and **77** are pursuing Ph.D. in BSACIST and other Universities. Currently, **501** research scholars are on-roll, and **118** scholars have been awarded the Ph.D. degree. In addition, **48** scholars have completed their Ph.D. viva voce and will be awarded with the Ph.D. degree in the forthcoming convocation. Other **04** scholars are awaiting their Viva-Voce. The Institution offers JRF, SRF fellowships to **33** research scholars to promote quality research, and **06** scholars secure fellowships from government funding agencies such as DST / UGC / MANF/ ICMR, **03** scholars are receiving Post Doctoral Fellowships. **Earn while you learn scheme** is another milestone introduced to benefit all full-time research scholars who are not receiving any fellowships. At present, **32** scholars are being benefited from this scheme.

The progress made in the research front after becoming deemed to be University is commendable. The Scopus **h-index** of this Institution is currently **59**. The average citation index is **5.60**. More than **5800** research publications have been made in referred journals and conference proceedings.

The departments are equipped with state-of-the-art equipment and software for carrying out research. The annual budget for the departments includes a separate head, “R&D,” and adequate funds are sanctioned to strengthen and enhance the facilities.

The library has over 17,000 e-journals, including IEEE, ASME, ASCE, Springer, Elsevier, Emerald, Proquest etc., and a good collection of Open Access Journals and can be remotely accessed from anywhere.

Research Board at BSACIST

The Research Board is an Internal Committee to oversee the research activities of the Institute. The primary functions of the Research Board are as follows:

- To scrutinize and recommend the eligible faculty members to be recognized as “Research Supervisors”.
- To scrutinize and recommend the candidates for the Ph.D. programme shortlisted by the Department / School committee members.
- To deliberate and recommend amendments in the Ph.D. regulations inline with statutory authority guidelines.
- To deliberate and recommend solutions for research related issues.

The Research board were constituted with the following members:

Research Board

Advisors	<p>Dr. A. Azad, <i>Registrar, BSACIST</i></p> <p>Dr. S.S.M. Abdul Majeed, <i>Director (Admissions)</i></p>
Chairman	<p>Dr. I. Raja Mohamed, <i>Dean (Research)</i></p>
Members	<p>Dr. M.S. Haji Sheik Mohammed, <i>Dean (Academic Affairs)</i></p> <p>Dr. Karthikeyan Ramalingam, <i>Dean (Student Affairs)</i></p> <p>Dr. S. Rasool Mohideen, <i>Dean (School of Mechanical Sciences)</i></p> <p>Dr. Venkatesan Selvam, <i>Dean (School of Computer Information & Mathematic Sciences)</i></p> <p>Dr. Vasanthi Padmanabhan, <i>Dean (School of Infrastructure)</i></p> <p>Dr. P.S. Syed Masood Jamali, <i>Dean (School of Arabic & Islamic studies)</i></p> <p>Dr. Najumnissa Jamal, <i>Dean (School of Electrical and Communication Sciences)</i></p> <p>Dr. S. Hemalatha, <i>Dean (School of Life Sciences)</i></p> <p>Dr. S. Kutti Rani, <i>Dean (School of Physical and Chemical Sciences)</i></p> <p>Dr. Ayub Khan Dawood, <i>Dean (School of Social Sciences and Humanities)</i></p> <p>Dr. K. Srinivasan, <i>Dean (Management Studies)</i></p> <p>Dr. M. VijayaVara Prasad, <i>Dean (Crescent School of Pharmacy)</i></p> <p>Dr. Arab Mohammed Shamiulla, <i>Dean (Crescent School of Law)</i></p> <p>Ar. G. Jayalakshmi, <i>Dean (Crescent School of Architecture)</i></p>
Special Invitees	<p>Dr. T. Harinarayana, <i>Centre for Sustainable Development (CSD)</i></p> <p>Dr. S. Kaja Mohideen, <i>Director (PG Admissions)</i></p> <p>Dr. Latha Tamilselvan, <i>Director (Data Centre)</i></p> <p>Dr. Md. Khurshid Alam Khan, <i>Dy. Dean (Research)</i></p> <p>Dr. R. Amiruddin, <i>Research Facilitator</i></p>

A glimpse of Research Board Meetings

The Research Board formulates and updates research policies per the UGC regulations, recommends eligible faculty members as recognized research supervisors, and adopts strategic decisions to improve research output.

During the calendar year 2021, **three (3)** Research Board meetings were conducted. A glimpse of the Research Board Meetings - 2021 are as follows:

41ST
Research Board Meeting

January

21

2021

Key Deliberations and discussions

- Scrutiny of the candidates for Ph.D. programme – Jan 2021
- Scrutiny and recognition of the applications for Research Supervisorship.
- Research Incentive - 2019 – Scrutiny

42nd
Research Board Meeting

JULY

16

2021

Key Deliberations and discussions

- Research progress of scholars – comments from supervisors / HODs / Deans
- BSA Post-Doctoral Fellowship – Advertisement

43rd
Research Board Meeting

November

20

2021

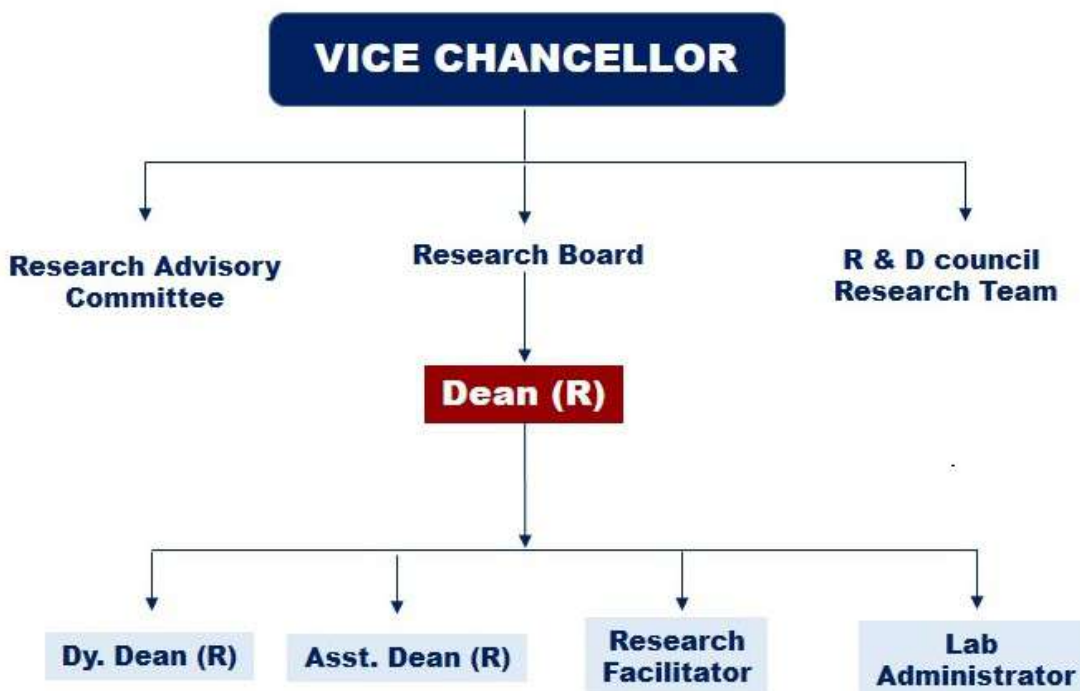
Key Deliberations and discussions

- Modification of Ph.D. degree format
- Response of research scholars against the issue of show cause notice

Research-administrative structure

Apart from Research Board, the Institute has a well-organized structure for research, and Vice-chancellor is the chairman. Each research category is monitored by Dean (Research) and his team. The research-administrative structure for monitoring research activities is given below:

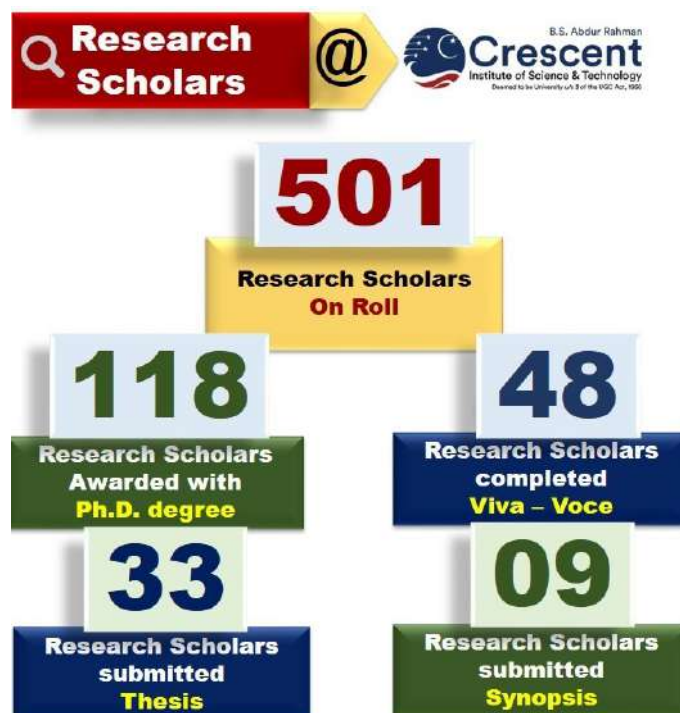
Research Administrative structure



The research-administrative structure for monitoring research activities

Status of research scholars - 2021

The scholars were admitted to the Ph.D. programme (full-time / part-time) based on written test and interviews conducted by the respective Departments / Schools. The status of the research scholars pursuing Ph.D. at BSACIST is as follows:



(CY: 2020-21)

Status of Research Scholars at BSACIST

List of forty-eight (48) Research Scholars completed Viva – Voce

Sl.No.	RRN No.	Name	Mode	Department	Research Supervisors
1	140963704001	Mr. Sri Nithya Mahottamananda	Part-Time	Aerospace	Dr. P. N. Kadiresh
2	130813704002	Mr. CK Arvinda Pandian	Part-Time	Automobile	Dr. H. Siddhi Jailani
3	1291239	Ms. R. Saai Harini	Full-Time	Chemistry	Dr. D. Easwaramoorthy
4	140913701005	Mr. M. Elumalai	Full-Time	Chemistry	Dr. M. Vajjiravel

5	1091219	Ms.Kavitha .A	Part-Time	Chemistry	Dr. D. Easwaramoorthy
6	140913701004	Mr. J. Paul Raj	Full-Time	Chemistry	Dr. M. Vajjiravel
7	1191223	Ms.Preethi B	Part-Time	Chemistry	Dr. S. Kutti Rani
8	1286230	Mr. P. G. Om Prakash	Part-Time	CSE	Dr. A. Jaya
9	130863704002	Mrs. C. Hema	Part-Time	CSE	Dr. Sharmila Sankar
10	140863104009	Mr. Atheeq C	Part-Time	CSE	Dr. M. Munir Ahamed Rabbani
11	150863701002	Ms. Niha. K	Full-Time	CSE	Dr. W. Aisha Banu
12	1086206	Ms. S. P. Valli	Part-Time	CSE	Dr.Sharmila Shankar
13	160863701004	Mr. R. Pari	Full-Time	CSE	Dr.W.Aisha Banu
14	130843704006	Mrs. S. Kalaivani	Part-Time	ECE	Dr. C. Tharini
15	130843707001	Mr. Y. J. Nazeer Ahmed	Full-Time	ECE	Dr. S. Kaja Mohideen
16	140843704002	Ms. Vanmathi M	Part-Time	ECE	Dr. M. Mohamed Ismail
17	140843104009	Ms. Indra gandhi K	Part-Time	ECE	Dr.P.K.Jawahar
18	1183207	Ms.Sarmila Har Beagam K.	Part-Time	EEE	Dr. R. Jayashree
19	1283214	Mr. R. Soundara Pandian	Part-Time	EEE	Dr. R. Jayashree
20	1183208	Ms.Ramya R	Part-Time	EEE	Dr. Y. Mohamed Shuaib
21	130833704002	Mrs. S. Jennathu Beevi	Part-Time	EEE	Dr. R. Jayashree
22	130833704005	Ms. Kavitha S	Part-Time	EEE	Dr. R. Jayashree
23	1383118	Ms. Belwin J	Part-Time	EEE	Dr. Y. Mohamed

		Brearley	Time		Shuaib
24	1183209	Ms.G.Kavitha	Part-Time	EEE	Dr. Y. Mohamed Shuaib
25	1385102	Ms. G. Anidha	Part-Time	EIE	Dr. M. Mohamed Ismail
26	130853704002	Mrs. P. R. Hemavathy	Part-Time	EIE	Dr. Y. Mohamed Shuaib
27	140923704001	Ms. Uma Maheswari	Part-Time	English	Dr. A. Shahin Sultana
28	150883701001	Ms. Mahadab Banu	Full-Time	Islamic Studies	Dr. Khalid Waheed
29	1287215	Mr. N. Rajendran	Part-Time	IT	Dr. P. K. Jawahar
30	130873704005	Mrs. Nabeena Ameen	Part-Time	IT	Dr. D. Najumnissa Jamal
31	150933701003	Mr. Raed Mohammed Ali Al- Daoar	Full-Time	Management Studies	Dr. M. Shanmugam
32	1193216	Ms.G.Vaishnavi	Part-Time	Management Studies	Dr. S.K.G. Ganesh
33	1193219	Ms.Nirmala Raghavan	Part-Time	Management Studies	Dr. S. Panboli
34	1293222	Mr. F. Abubecker	Part-Time	Management Studies	Dr. Khalid Waheed
35	130893707002	Mr. Mohammed Abid A.	Full-Time	Mathematics & AS	Dr. T. R. Ramesh Rao
36	160893701001	Mr. Amir Ahmad Dar	Full-Time	Mathematics & AS	Dr. N. Anuradha
37	130813704004	Mr. SathickBasha K	Part-Time	Mechanical	Dr. A.S. Selvakumar
38	160813104003	Mr. M. Abdur Rahman	Part-Time	Mechanical	Dr. R. Karunanithi
39	140813704002	Mr. MD. Javeed Ahmed	Part-Time	Mechanical	Dr. M. A. Sai Balaji

40	1081204	Ms. L. Annagowsalya	Part-Time	Mechanical	Dr. P.D. Jeyakumar
41	180813107001	Mr. M.Prashanth	Full-Time	Mechanical	Dr. R. Karunanithi
42	1390115	Mr. M. Suresh Kumar	Part-Time	Physics	Dr. G.V. Vijayaraghavan
43	160903701004	Mr. Ikram Un Nabi Lone	Full-Time	Physics	Dr. M. Md. Sheik Sirajuddeen
44	140903701004	Ms. Shameem Banu H	Full-Time	Physics	Dr.P.S.Sheik Uduman
45	`0982204	Ms. J. Shahitha Parveen	Part-Time	Polymer	Dr. S. S. M. Abdul Majeed
46	141153701003	Ms. Tahira Akther	Full-Time	SLS	Dr. S. Hemalatha
47	131153701001	Mr. Saroj Kumar Sah	Full-Time	SLS	Dr. S. Hemalatha
48	141153107005	Ms. Rekha Yamini K	Full-Time	SLS	Dr. Soumen Bera

List of four (4) Research Scholars awaiting for Viva – Voce

Sl.No.	RRN No.	Name	Mode	Department	Research Supervisors
1	1287214	Mr. M. Ramamoorthy	Part-Time	IT	Dr. N. Ayyanathan
2	130863704004	Mrs. Sunitha C.	Part-Time	CSE	Dr. A. Jaya
3	140873101002	Mr. Ziaul Haque Choudhury	Full-Time	IT	Dr. M. Munir Ahamed Rabbani
4	170903701002	Mr. Nazir Ahmad Teli	Full-Time	Physics	Dr. M. Md. Sheik Sirajuddeen

Details of Ph.D. admission during January-2021 session

- Advertisement for the Ph.D. programme - January 2021 was announced in December 2020.

- The application form can be obtained from the following link:

<http://www.crescent.education/admission-for-research-scholars>



- The Department / School level committee members shortlisted the candidates based on written test and interview.
- The list of **forty-five (45) candidates** is given in the following table admitted for Ph.D. programme – January 2021 and recommended through the 41st research board meeting held on 21st January 2021.

List of candidates admitted for Ph.D. programme – January 2021 session

S.No.	RRN No.	Name	Mode	Department
1	210963101001	Mr. P. Kaleeswaran	Full Time	Aerospace
2	210943104004	Ms. Affia Thabassum M. S	Full Time	CA
3	210943104003	Ms. M. Lavanya	Part Time	CA
4	210943104002	Ms. Anitha .S	Part Time	CA
5	210943104001	Ms. Aruna Arumugam.G	Part Time	CA
6	210943104005	Ms. Yasmin.S	Part Time	CA
7	210803101001	Mr. Adolf Marvelraj L A S	Full Time	Civil
8	210863101001	Ms. G. Aarthi	Full Time	CSE
9	210863104008	Ms. K. Mahalakshmi	Part Time	CSE
10	210863104007	Mr. P.M.D. Ali Khan	Part Time	CSE
11	210863104004	Ms. Geetha.T	Part Time	CSE
12	210863104003	Ms. Sowmiya S R	Part Time	CSE
13	210863104005	Ms. Arunapriya. R	Part Time	CSE
14	210863104002	Ms. Aarthy. R	Part Time	CSE
15	210863104006	Mr. S. Saravanan	Part Time	CSE
16	210863104001	Mr. Mohd Miskeen Ali	Part Time	CSE
17	210863104009	Mr. Amal Ganesh	Part Time	CSE
18	211183104001	Ms. K. Hajira Sulthana	Part Time	Economics
19	211183101001	Ms. Sudha. S	Full Time	Economics
20	211183104002	Mr. Abraham John	Part Time	Economics
21	210833104001	Mr. Shaik Abdul Sameed	Part Time	EEE
22	210853104001	Mr. C. Balasubramanian	Part Time	EIE
23	210923104001	Ms. S. Prabha	Part Time	English
24	210923104004	Ms. Uma Rapaka	Part Time	English
25	210923104003	Ms. Nihal Zainab	Part Time	English

26	210923104002	Ms. Rabia Begum. M	Part Time	English
27	210923101001	Mr. Zaid Akhter	Full Time	English
28	210933104001	Ms. S. P. Nisha Pradeepa	Part Time	Management
29	210893101003	Mr. Shahid Abdullah	Full Time	Mathematics & AS
30	210893101001	Ms. Pandiyarasi. P	Full Time	Mathematics & AS
31	210893104001	Mr. Aamir Altaf	Part Time	Mathematics & AS
32	210893104002	Ms. Dhanvarsha. R	Part Time	Mathematics & AS
33	210893101002	Ms. Divya. N	Full Time	Mathematics & AS
34	210813101001	Mr. Mohamed Fahad. S	Full Time	Mechanical
35	210813104001	Mr. Asgar Ullah Khan	Part Time	Mechanical
36	210813104002	Mr. Syed Muzammil Shah	Part Time	Mechanical
37	210993104002	Mr. Matam Shivakumar	Part Time	Pharmacy
38	210993104001	Ms. Mamidipalli Sally Neeharika	Part Time	Pharmacy
39	210993104004	Mr. Raghupathi Niranjan Kumar	Part Time	Pharmacy
40	210993104003	Mr. Voleti Vijaya Kumar	Part Time	Pharmacy
41	210993104005	Mr. Puchalapalli Naresh Babu	Part Time	Pharmacy
42	210993104006	Mr. Seelam Jayadev	Part Time	Pharmacy
43	210903101001	Ms. Gayathri T	Full Time	Physics
44	210823104001	Mr. R. Stalin	Part Time	Polymer
45	211153101001	Ms. A. Narmadha	Full Time	SLS

Details of Ph.D. admission during July - 2021 session

- Advertisement for the Ph.D. programme - July 2021 was announced in May 2021.
- The application form can be obtained from the following link:
<http://www.crescent.education/admission-for-research-scholars>
- The Department / School level committee members shortlisted the candidates based on written test and interview.
- The list of **sixty-one (61) candidates** is given in the following table admitted for Ph.D. programme – January 2021 and recommended through the 42nd research board meeting held on 16th July 2021.



List of candidates admitted for Ph.D. programme – July 2021 session

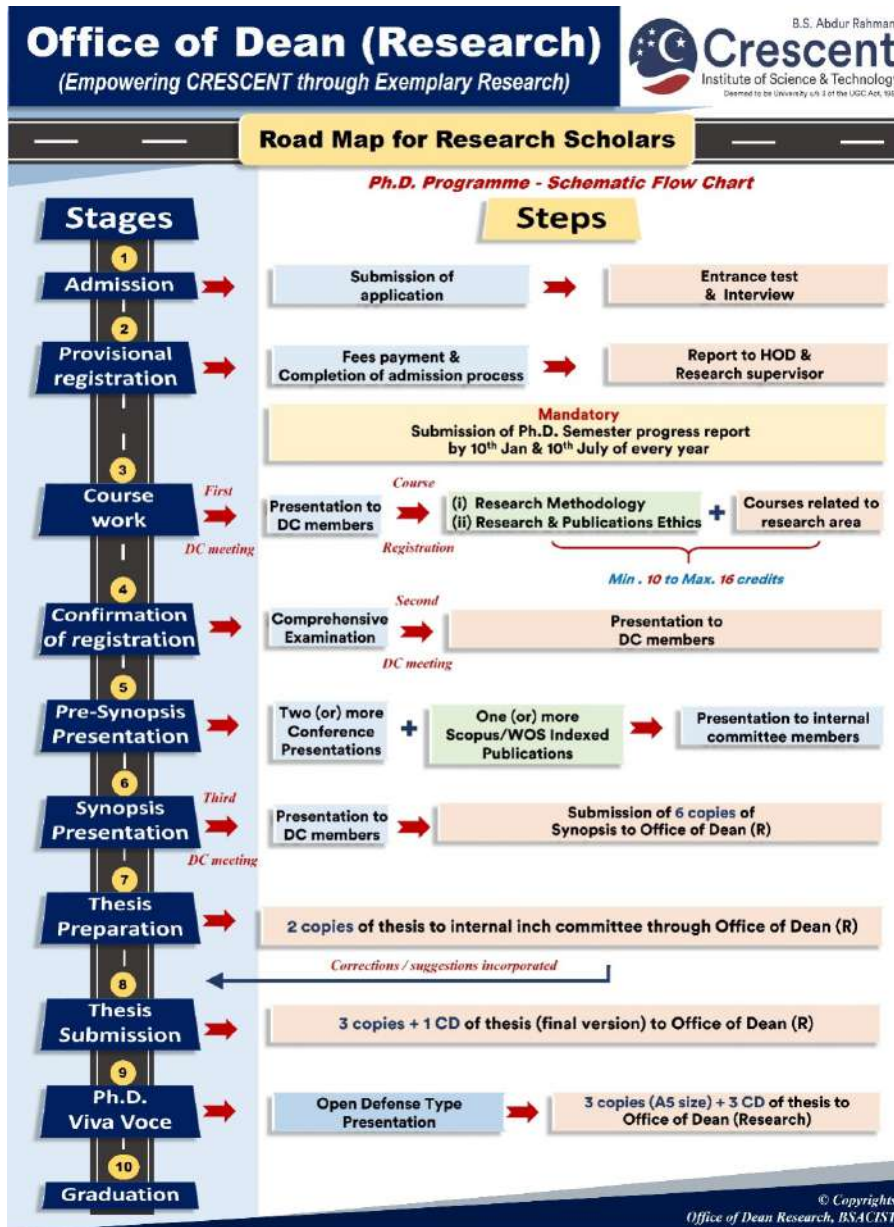
S.No.	RRN No.	Name	Mode	Department
1	210883704001	Mr. Mohamed Rafeeq Zackariah	Part Time	Arabic& Islamic Studies
2	210943704001	Ms. Rufia Thaseen. I	Part Time	CA
3	210943704002	Ms. Shwetha. K	Part Time	CA
4	210913704001	Mr. Sakthivel	Full Time	Chemistry
5	210913701001	Mr. Ashkar. M.A	Full Time	Chemistry
6	210913701002	Ms. Rehana Jan	Full Time	Chemistry
7	210803701001	Ms. Ifthika sherine. A	Full Time	Civil
8	210983701001	Ms. Sri varsha.G	Full Time	Commerce
9	210863701001	Ms. Safiya Begam G	Full Time	CSE
10	210863701002	Ms. S.Babitha Rani	Full Time	CSE
11	210863704001	Ms. B.Saratha	Part Time	CSE
12	210863704002	Ms. Singaraju Ramya	Part Time	CSE
13	210863704003	Mr. Gokulakrishnan.V	Part Time	CSE
14	210863704004	Mr. V Sunil Kumar	Part Time	CSE
15	210863704005	Mr. Banala Ranjith Kumar	Part Time	CSE
16	210863704006	Mr. Rajesh. P	Part Time	CSE
17	210863704007	Mr. S.R.Senthilkumar	Part Time	CSE
18	210863704008	Mr. Mohammed Irshad	Part Time	CSE
19	210863704009	Mr. B. Raja	Part Time	CSE
20	210863704010	Mr. P. Vara Prasad	Part Time	CSE
21	210843704001	Mr. V.N.Imaduddeen	Part Time	ECE
22	210843704002	Mr. Mittapalli Abdul Jaleel	Part Time	ECE
23	210843704003	Ms. Anto Ajisha Shriny. M	Part Time	ECE
24	210833704001	Mr. M. Balasubramani	Part Time	EEE
25	210833704002	Mr. Abdul kadar sheik	Part Time	EEE
26	210853704001	Ms. Vijayalakshmi .E	Part Time	EIE
27	210923701001	Ms. S.Sarmila	Full Time	English
28	210923704001	Ms. P. Sajida Bhanu	Part Time	English
29	210923704002	Mr. Durai Inbaraj. C	Part Time	English
30	210873704001	Mr. Keerthivasan. M	Part Time	IT
31	211153701001	Ms. Jayasudha M	Full Time	Life Sciences

32	211153701002	Ms. Ashwathi.V	Full Time	Life Sciences
33	211153701003	Ms. Architha Vijayalakshmi	Full Time	Life Sciences
34	211153701004	Mr. Mohd Kashif	Full Time	Life Sciences
35	211153701005	Ms. Shabnam. A	Full Time	Life Sciences
36	210933701001	Ms. S. Sharmeen Mehak	Full Time	Management
37	210933701002	Ms. Shindhuja. J	Full Time	Management
38	210933704001	Ms. Bhuvaneshwari Nagarajan	Part Time	Management
39	210933704002	Mr. Prem Kumar. C.N	Part Time	Management
40	210933704003	Ms. Uma Devi Ayyappan	Part Time	Management
41	210893701001	Ms. Pradeepa Alagupandi	Full Time	Maths & AS
42	210893701002	Ms. Deepika S	Full Time	Maths & AS
43	210893701003	Ms. Sharon Elsen Abraham	Full Time	Maths & AS
44	210893701004	Ms. Ariyanatchi M	Full Time	Maths & AS
45	210893704001	Ms. S. Mohamed Yaceena	Part Time	Maths & AS
46	210833701001	Mr. J Sairam	Full Time	Mechanical
47	210833701002	Mr. Balaji. P	Full Time	Mechanical
48	210833704001	Mr. Venkatachalam.C	Part Time	Mechanical
49	210833704002	Mr. Mohamed Haris A S	Part Time	Mechanical
50	210833704003	Mr. Rajkumar.M	Part Time	Mechanical
51	210993704001	Ms. Gangadevi. K	Part Time	Pharmacy
52	210993704002	Ms. R. Mohana Priya	Part Time	Pharmacy
53	210993704003	Mr. V.Kannabirran	Part Time	Pharmacy
54	210993704004	Mr. Srinivasan. M	Part Time	Pharmacy
55	210903701001	Mr. Varatharajan P	Full Time	Physics
56	210913701002	Mr. MD Iyasin Baidya	Full Time	Physics
57	210903704001	Ms. Pavithra G	Full Time	Physics
58	210913701003	Mr. Rahul B	Full Time	Physics
59	210903704002	Mr. C. Kiran Kumar	Part Time	Physics
60	211003701001	Ms. Muthulakshmi. S	Full Time	SSSH
61	211153701006	Ms. Rafeedah Fathuddin	Full Time	SLS

Road Map for Research Scholars and Faculty members

Office of Dean (Research) circulated a **Road Map for Research Scholars and Responsibilities of Faculty members** to give a clear idea of various stages that the research scholars have to undergo during their Ph.D. programme at BSACIST.

Link: <https://crescent.education/research/about-us/ph-d-regulation/>



Road map for Research Scholars

Details of Post-Doctoral Fellowship (PDF) – 2021

- The advertisement for **Post-Doctoral Fellowship (PDF) – 2021** was announced in August 2021.

Office of Dean (Research)
(Empowering CRESCENT through Exploratory Research)

B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
Invites
Application for Post-Doctoral Fellowship
(Exclusively for BSACIST scholars)

Fellowship: INR 30,000/- Per Month

ELIGIBILITY

- Ph.D degree holders are eligible to apply.
- Candidates should have a minimum of three publications in reputed indexed journals.

Vacancy: One per department
 Duration: One Year, subjected to one-year extension based on performance

Last Date: 31/08/2021

Application form can be downloaded from the institution's website and the filled-in form should be sent to research@crecident.education

STARS RATED FOR EXCELLENCE 2018
NAAC A+
IMPACT RANKINGS
 SDG 7: 101 - 200
 SDG 6: 101 - 200
 SDG 4: 301 - 400
QS WORLD UNIVERSITY RANKINGS
 OVERALL RANK IN ASIA
 Asia 2021: 551-600
ARIIA ATAL RANKING OF INSTITUTIONS FOR INNOVATION ACQUISITIONS
Ranked BAND A (6 - 25)

Brochure of Post-Doctoral Fellowship (PDF) – 2021

- Eligibility for PDF – 2021 was as follows:
 - BSACIST research scholars were awarded with the Ph.D. degree.

- Minimum of three (3) Publications in reputed indexed journals.
- The application form can be obtained from the following link:
<https://crescent.education/research/about-us/post-doctoral-fellowship/>
- The Department / School level committee members shortlisted the candidates based on written test and interview. A total of **three (3) candidates** were shortlisted for PDF-2021. The list of candidates shortlisted for Post-Doctoral Fellowship (PDF) – 2021 is given below:

List of candidates joined as Post-Doctoral Fellows – 2021

S. No.	PDF ID	Name of the candidate	Department	Mentor	Title of Research
1.	2021PDF01	Dr.M. Vadivelu	Chemistry	Dr. K. Karthikeyan	Synthesis of bioactive spiropyrrolizidiness tethered 1,2,3-triazoles / isoxazoles and their antimicrobial and anticancer evaluation
2	2021PDF02	Dr.D. Kanimozhi	Physics	Dr. R. Indirajith	Study on the variation of electro-optic effect due to dyes in the organic and inorganic single crystals
3.	2021PDF04	Dr.S.Ramalingam	Mechanical	Dr. S. Rasool Mohideen	Vibration Amplitude Control Analysis using Modern Control System for Flexible Robotic Manipulator System

Research Incentives Scheme – 2019 awardees

The Institute provides Research Incentives to the faculty members every year. The primary objective of the incentive scheme is to motivate the faculty members of our Institution to undertake quality research, consultancy, and other related activities.

The eligible faculty members were awarded with research incentives on the occasion of the Teacher's day celebration – 2021 held at BSACIST

The faculty members awarded with **Research Incentives Scheme – 2019** are listed below:

The faculty members awarded with Research Incentives Scheme – 2019

S.No.	Name of the Faculty	Designation	Department
1.	Mr. C. K. Arvinda Pandian	Asst. Prof. (Sr.Gr.)	Automobile
2.	Dr. N. Ayyanathan	Asso. Prof.	CA
3.	Dr. V. Shenbaga Priya	Asst. Prof.	CA
4.	Dr. D. Easwaramoorthy	Prof. & Head	Chemistry
5.	Dr. S. Kutti Rani	Professor & Dean	Chemistry
6.	Dr. S. Bhagavathy	Asso. Prof.	Chemistry
7.	Dr. Revathi Purushothaman	Asso. Prof.	Chemistry
8.	Dr. A. Shajahan	Asso. Prof.	Chemistry
9.	Dr. N. Vasimalai	Asst. Prof. (Sel. Gr.)	Chemistry
10.	Dr. M. Asha Jhonsi	Asst. Prof. (Sr.Gr.)	Chemistry
11.	Dr. M. Vajjiravel	Asst. Prof.	Chemistry
12.	Dr. Noor Aman Ahrar Mundari	Asst. Prof.	Chemistry
13.	Dr. K. Karthikeyan	Asst. Prof. (Sr.Gr.)	Chemistry
14.	Dr. M.S. Haji Sheik Mohamed	Professor & Dean (AA)	Civil
15.	Dr. J. Revathy	Professor	Civil
16.	Dr. K. Yogeswari	Asso. Prof.	Civil
17.	Dr. P. Gajalakshmi	Asso. Prof.	Civil
18.	Dr. E. Syed Mohamed	Prof. & Head	CSE
19.	Dr. N. Sabiyath Fathima	Asso. Prof.	CSE
20.	Dr. C. Tharini	Prof. & Head	ECE

21.	Dr. S. Kaja Mohideen	Sr. Prof. & Dir. (PG Adm.)	ECE
22.	Ms. Vanmathi. M	Asst. Prof.(Sr.Gr.)	ECE
23.	Ms. A. Ambika	Asst. Prof.(Sr.Gr.)	ECE
24.	Ms. B. Sivashanmugavalli	Asst. Prof.	ECE
25.	Ms. A. Priya	Asst. Prof.	ECE
26.	Dr. Y. Mohamed Shuaib	Asso. Prof. & Head	EEE
27.	Dr. R. Jeyashree	Professor	EEE
28.	Dr. D. Najmunissa Jamal	Prof. & Dean	EIE
29.	Dr. P.K. Jawahar	Prof. & Head	EIE
30.	Dr. M.S. Murshitha Shajahan	Asst. Prof. (Sr.Gr.)	EIE
31.	Ms. P.R. Hemavathy	Asst. Prof.(Sr.Gr.)	EIE
32.	Dr. Khalid Waheed	Asst. Prof.	Islamic Studies
33.	Dr. Latha Tamilselvan	Professor	IT
34.	Mr. N. Rajendran	Asst. Prof. (Sr.Gr.)	IT
35.	Mr. R. Priyadarshini	Asst. Prof. (Sel. Gr.)	IT
36.	Dr. S. Rajasekaran	Prof. & Head	Maths
37.	Dr. P. S. Sheik Uduman	Professor	Maths
38.	Dr. C. D. Nandakumar	Asso. Prof.	Maths
39.	Dr. S. Srinivasan	Professor	Maths
40.	Dr. Mahadev Ota	Asst. Prof. (Sr.Gr.)	Maths
41.	Dr. S. Rasool Mohideen	Prof. & Dean	Mech
42.	Dr. H. Siddhi Jailani	Asso. Prof. & Head	Mech
43.	Dr. V. Muralidharan	Asso. Prof.	Mech
44.	Dr. M. Sai Balaji	Asso. Prof.	Mech
45.	Dr. R. Karunanithi	Asso. Prof.	Mech
46.	Dr. J. Mahasar Ali	Asst. Prof.(Sr.Gr.)	Mech
47.	Mr. B. Surya Rajan	Asst. Prof.	Mech
48.	Dr. S. Jeavudeen	Asst. Prof.	Mech
49.	Mr. Md. Javeed Ahmed	Asst. Prof	Mech

50.	Mr. K. Sathick Basha	Asst. Prof.	Mech
51.	Mr. M. Abdur Rahman	Asst. Prof.	Mech
52.	Dr. M. Pervaz Ahmed	Asst. Prof.	Mech
53.	Dr. Serajul Haque	Asst. Prof.	Mech
54.	Dr. A. Muthu Manokar	Asst. Prof.	Mech
55.	Dr. M. Basheer Ahmed	Prof. & Head	Physics
56.	Dr. I. B. Shameem Banu	Professor	Physics
57.	Dr. M. Mohamed Sheik Sirajudeen	Asst. Prof. (Sr.Gr.)	Physics
58.	Dr. G. Vijayaraghavan	Asso. Prof.	Physics
59.	Dr. S. Sathik Basha	Asso. Prof.	Physics
60.	Dr. Indirajith	Asst. Prof. (Sr.Gr.)	Physics
61.	Dr. P. Ashok Kumar	Asso. Prof.	SLS
62.	Dr. Karthikeyan Ramalingam	Asso. Prof. & Dean(SA)	SLS
63.	Dr. D. Mubarak Ali	Asst. Prof.	SLS

Research visibility and status

The following table shows the research Profile of B.S.Abdur Rahman Crescent Institute of Science and Technology (BSACIST) as of 30th November 2021.

Research visibility and status of BSACIST as of 30th November 2021

Research visibility	
h – index	59
i-10 index	550
Average Impact Factor	2.44
Productivity index	0.64
Total no. of faculty members	437
No. of faculty with Ph.D. qualification	279 (63.8%)
No. of faculty pursuing Ph.D.	77
No. of Approved Supervisors	186

No. of Post-Doctoral fellows	03
Research status	
No. of Publications (2021)	344
Total No. of Publications (till Nov 2021)	6027
Total No. of Citations (till Nov 2021)	20,994
No. of Ph.D. degree awarded	118
No. of Viva-Voce completed	48
Awaiting for Viva-Voce	04
Thesis submitted	33
Synopsis submitted	09
Number of Ph.D. Scholar on roll	501
Full-time	159
Part-time	342

Summary

Research activities play a significant role in exhibiting the grandeur and dignity of our Institute. The research outcomes contribute towards good NIRF rankings and valuable grades in NAAC accreditation. The office of Dean (Research) has established a **Conducive Research ambiance** to enhance the research activities of BSACIST. The significant achievements of the office of Dean (Research) are summarized as follows:

- Improvement in the research productivity and citation impact of the publications.
- High-quality research publications in Scopus / WOS indexed journals.
- Increasing number of candidates admitted for Ph.D. programme.
- Significant improvement in the number of Viva-Voce conducted for research scholars.

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Introduction:

The Office of Controller of Examinations takes charge of Organizing, conducting examinations centrally (UG, PG and Ph.D.) and publishing the results of all the programmes offered by B.S.Abdur Rahman Crescent Institute of Science and Technology.

Academic Year Plan (ODD Semester)

The academic plan for the conduction of examination for the Odd Semester - Academic Year (2020-21) is given below:

Programme	Details	Date
UG & PG	Continuous Assessment Test I	28.09.2020 – 6.10.2020
	Continuous Assessment Test II	14.12.2020-22.12.2020
	Semester End Theory Examinations	28.12.2020-25.02.2021
	Publication of Results	11.03.2021

No. of Students appeared in the Regular Semester End examinations: 7306

Substitute Examinations:

A student who has missed, for genuine reasons, a maximum of one of the two assessments of a course may be permitted to write a substitute examination. However, permission to take up a substitute examination will be given under exceptional circumstances.

The schedule for Substitute examinations is furnished below:

Programme	Details	Dates
UG & PG	CAT - I & CAT - II	21.01.2021 - 30.01.2021

Number of Students appeared for Substitute Examination : 736

Re Exam Dates : 28.05.2021-03.06.2021

No. of students appeared for Re-Exam : 62

Declaration/Publication of Results:

UG and PG Programmes : 11.03.2021
 Average no. of days : 8 days

Academic Year Plan (EVEN Semester)

The academic plan for the conduction of examination for the Odd Semester - Academic Year (2020-21) is given below:

Programme	Details	Date
UG & PG	Continuous Assessment Test I	15.04.2021-27.04.2021
	Continuous Assessment Test II	04.06.2021-14.06.2021
UG & PG	Semester End Theory Examinations	05-07-2021 to 24-07-2021
	Publication of Results	21.08.2021

No. of Students appeared in the Regular Semester End examinations: 7306

Substitute Examinations:

The schedule for the Substitute examinations is furnished below:

Programme	Details	Dates
UG & PG	CAT - I & CAT - II	29.06.2021- 02.07.2021

Number of Students appeared for Substitute Examination : 154

Re exam Dates (All UG/PG programmes) : 06.09.2021 - 16.09.2021

No. of students appeared for Re-exam : 153

Declaration/Publication of Results

UG/PG Programmes : 21.08.2021

Average no. of days : 7 days

Supplementary Examinations:

To facilitate passed out / Final Year Students to complete the degree and reduce the number of outstanding arrears, supplementary exams are conducted. Students are eligible to apply

for a maximum of three courses. Supplementary Examination - Final Year and Passed Out Students (AY 2020-21) Proctored Online Mode from **27.09.2021-29.09.2021**.

No. of Students appeared for Supplementary Examination: 23

Convocation:

The 10th Convocation was conducted on 25th January 2021.

The Chief Guest details are given below:

Date	Chief Guest
25 th January 2021	Dr. Ashok Jhunjunwala, IIT Madras

- The 10th Convocation of our Institution was held on 25th January 2021 through Online/Blended Mode. Dr. Ashok Jhunjunwala, Institute Professor, IIT Madras was the Chief Guest of the day. The graduands of Ph.D. (31) and Gold medalists (40) attended the convocation in person. A total of 1794 graduands attended the ceremony online.
- The Degree Award Ceremony (Offline) was conducted from 10th February to 17th February 2021 (in batches) for the graduands who had attended the convocation through online Mode.
- A total of 1992 graduands received their degrees.

S.no.	Degrees awarded	No. of graduands
1	B.Tech.	893
2	B.Arch.	70
3	B.A.	44
4	B.Sc.	56
5	BCA	209
6	B.Com.	232
7	BBA	50
8	M.Tech.	62
9	M.Arch.	12
10	M.Sc.	129
11	MBA	116

12	MCA	76
13	M.A.	12
14	Ph. D.	31
Total		1992

DATA CENTRE

The Objective of Data Centre is to provide the staff and students of the Institution with 24/7 access to wired and wireless computing and networking resources. Through which they can extend their access to lab, LMS, ERP systems and also access educational resources such as NPTEL videos through the streaming server. Virtualization and Green Computing is facilitated in the Campus.

Activities conducted in Academic Year 2020 - 2021

- Data Centre, in association with Department of Information Technology, has organized the one-week Computer Awareness Training Programme to Government officials from Chengalpet district, Tamilnadu.



- Crescent LMS has been rolled out across the Institution.
 - For the Even Semester 2020-2021, 1200 courses had been configured and course materials were uploaded.
 - For the Odd Semester 2020-2021, 906 courses had been been configured and course materials were uploaded.
 - LMS Cloud server Capacity upgraded from 750 GB to 1 TB
 - (Current Configuration: 4 CPU, 32 GB RAM and 1 TB SSD)
 - Faculty User Manual, updated from V1.0 to V1.5 with latest modules on Gradebook Setup, Feedback, Attendance and Course duplication.
 - Total Users as on date on System:
 - Students: 8441, Faculty: 482, Total Users in LMS: 8293.
- Online exam had been conducted for Post office recruitment on March 2021.

PLACEMENT & TRAINING CELL (PTC)
INDUSTRY INSTITUTE PARTNERSHIP CELL (IIPC)

The campus recruitment process started in the month of July 2020, (as on November 2021), **186 companies** visited the campus for recruitment process and **529** of our eligible students were placed and results from few companies are expected.

Year	Total No. of Companies Visited	Total No. of students placed	No. of Core Companies Visited	Students Placed in Core Companies	No. of IT / ITES Marketing / Sales Companies Visited	Students placed in IT / ITES / & others
2020-21*	186	529	54	93	132	436

* Placement in progress

MOU Signed with following Industries:

- ❖ MoU Signed with **M/s. Flextronics Technologies India Pvt Ltd. (FITPL), Chennai** on 8th June 2021 for offering B.Tech. Programmes to the employees of FTIPL in the ECE / Mechanical specialization.
- ❖ BSACIST has signed MoU with **M/s. BOSCH India Ltd, Bangalore** on 8th November 2020.
- ❖ MoU Signed with **M/s. Ashok Leyland, Hosur**, on 14th October 2020 for Training of BSACIST students at their Skill Development Centre.

Highlights of Placements: 2021 Passing Batch:

- ❖ **Juspay** virtual drive conducted for circuit branch students of 2021 batch. A student of B.Tech. (CSE) was offered with a salary package of **Rs. 8.00/- LPA**.

- ❖ **Kaar Technology** campus drive was conducted through online on 24th July 2020. A student of B.Tech. (CSE) was offered with a salary package of of **Rs. 6.50/- LPA**.
- ❖ **ZF WABCO** online recruitment process conducted on 23rd September 2020. A student of B.Tech. CSE was offered with a salary package of **Rs. 5.50 LPA**.
- ❖ **Accenture** virtual drive conducted on 29th October 2020, **thirty (2+28)** students got offers from various courses with an annual package of **Rs.6.50/-** and **Rs.4.50/-** Lakhs per annum, respectively.
- ❖ **37 students** received offers from **Cognizant** with an annual package of **Rs. 4.00/- LPA, in a campus drive held on 18th October 2020**.
- ❖ **30 students** received offers from **Accenture** with an annual package of **Rs.4.50/- and 6.50 LPA, in a campus drive held on 29th October 2020**.
- ❖ Renault Nissan Automotive India Pvt. Ltd. conducted a virtual campus drive on 14th September 2020. **Sixty** Students from various departments like Automobile, Mechanical and Electrical & Electronics Engineering received placement offers.
- ❖ **More than 20 Industry-oriented** Webinars were conducted in collaboration with Top Industry leaders, emphasizing on various aspects of placement training.
- ❖ Online practice modules and assessment practice tests were organized for the 2nd and 3rd year students of all the programmes.

Employability Assessments / Training Programme Conducted

- Employability Assessment online test was conducted in association with Co-Cubes for final year B.Tech. & MCA students (2021 passing out batch), on 30.10.2020. This test assesses the students on Language, Cognition, and Domain & Soft Skill. The test also provides feedback to the students about their strengths and weaknesses with respect to employability.
- Online Aptitude Test and Employment Skill Knowledge Testing Process were

conducted for the Final year B. Tech (CSE, ECE, IT, EEE, EIE.) and MCA students (2021 batch) on 16.10.2020 in association with Aspiring Minds Assessment Pvt Ltd (AMCAT).

Training Programmes:

- A 3-days Placement Preparedness Training program was organized for third year B.Tech. students of all streams from 22.04.2021 to 24.04.2021. 810 students have participated and benefitted from this programme.
- Organized Placement Preparedness Training for the final year students of **B.Tech. / M.Tech. / MCA & Arts and Science** on 3rd April 2021 between 9:00 AM to 4 PM.
- Organized 6-days Placement Preparedness Training for the final year students of **B.Tech. / M.Tech. / MCA & Arts and Science** students from 29.03.2021 to 03.04.2021. 1650 students were trained in 28 sessions during the period.
- Organized **5-days** Placement Preparedness Training from 08.03.2021 to 12.03.2021 for the **MBA** final year students. 90 students were trained on Placement Preparedness techniques, communication, Aptitude, reasoning and many other topics.
- Organized **5-days** Placement Preparedness Training for the **B.Pharm.** final year students, from 08.03.2021 to 12.03.2021. 60 students were trained on Placement Preparedness techniques, communication, Aptitude, reasoning and many other topics.
- Provided comprehensive training to more than 800 final year students (B.Tech, M.Tech, MCA) to cover the topics of Aptitude, Technical, company-specific training, communication skills, so on, from **12.10.2020 to 24.10.2020**.
- Organized a 2-days FACE Training program on 03.11.2021 and 04.11.2021, to prepare students for the CTS and other top companies.

Conference / Seminars / Webinars:

- IIPC & PTC organised a Webinar on "Importance of Internships for a Successful Career" by Mr. Santhosh Karnananda - Founder & CEO, MeraEnglish.com on 08.06.2021.
- IIPC & PTC organized a Coding contest #2 on "Problems using hash tables and sets" on 29.05.2021. Mr. Thahir Mohamed, Senior Applied Scientist at Amazon Alexa AI, USA addressed the students and gave insights on the coding contest #2 via the HackerRank.com website. 63 students participated in this contest.
- A Session on “Driving Skills for Life” was organized by Ford Motor Company on 15.02.2021.



- The Fresher Induction Program, “Get, Set, Go” was conducted on 11.02.2021.

Dr. A. Peer Mohamed, Vice Chancellor, spoke about the preference given to Experiential learning at Crescent and welcomed the speakers; Mr.V.Nanda Kumar IRS, Addl Commissioner of Income Tax – Govt. of India; Mr. Vasudevan R, HR Leader – TCS; Mr. Sharath Babu T, Director Product Development – Oracle; Mr.Lakshminarasimhan N, General Manager - HR Brakes India Pvt Ltd.




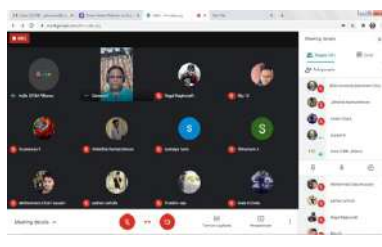
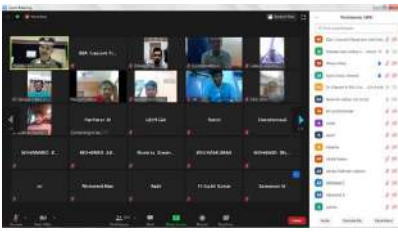
A batch of 51 students completed their NSDC approved Value added course on “Robotics and Artificial Intelligence”. The IIPC Cell has organized the “**Certificate Distribution Ceremony**” on 09.02.2022. Dr. A Peer Mohamed, Vice Chancellor presented the certificates to the students in the presence of Dr. A. Azad, Registrar; Dr. N. Raja Hussain, Dy. Registrar; Dr.S.Kaja Mohideen, Director, PG Admissions; Dr.S.Rasool Mohideen, Dean, School of Mechanical Sciences; Mr.Sethuraman Managing Director Prag Robotics Ltd; Dr. K. Ganesh, Director, Placement & Training Cell; and, Industry Institute Partnership Cell (IIPC), Directors, Deans, and HODs.




Webinars


Technical and Placement preparedness webinars were conducted in collaboration with the industry experts, skills assessment partners, Crescent Alumni and ICT Academy.

<p>Organized Atos Syntel campus engagement program 2020 webinar for the students to give insights on the latest technology trends and to acquire modern-day technical know-how.</p> <p>Webinar hosted by: Mr. Sudhir Jadhav Delivery Manager, Healthcare and Life Sciences, Atos Syntel.</p>	
<p>Organized a webinar for the Pre-final year students of circuit branches, BCA and B.Sc. on 04.12.2020.</p> <p>Topic: ‘How to build profile to Meet the expectations of the Industry’ by: Mr. S. Bhaskar, Director, IBS Training & Education, EDS Training & Education, Former General Manager, KIML.</p>	

<p>Organized a webinar on “How to crack Top rated Placement, Higher Education, Scholarship” by Mr. P.N. Santhosh, CEO & Founder, Career Labs & Mr. Abhishek Gupta, Byjus, National Speaker held on 20th November 2020.</p>	
<p>Conducted webinar on the topic: “Know How Blockchain is Changing Your World” by Mr. Raj Kapoor, Founder & CEO, India STEM Alliance for BCA, B.Sc.(CS), BBA, MCA, MBA and all B.Tech. streams on 14.07.2020.</p>	
<p>Dr. Shilendra Babu IAS, DGP delivered a session on Civil Services Examinations: “Why, What and How?” for the students of all UG & PG programmes on 17.07.2020.</p>	

Visit to Industries:

<p>1</p>	<p>The School Deans of Electrical and Mechanical Sciences, Dr. D. Najumnissa Jamal, Dr. Rasool Mohideen, Dean (SMS), Dr. C. Tharini, Prof. & Head./ ECE, Dr. H. Siddhi Jailani, Associate Prof. & Head / Mech., Dr G Kannan, Associate Professor (ECE), Mr. C. Athbel Joe Asst Prof (EEE) along with Dr. Ganesh, Director, Placement, visited Flextronics India Pvt Ltd on 11th November 2020.</p>	
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2	<p>Dr. K. Ganesh, Director, Placement & Training Cell Participated as an Eminent Speaker for the webinar on “NEP 2020 Knowledge Series – Technology In Higher Education – Challenges of implementation” on Tuesday, 27th October 2020 at 11:00 a.m. organized by ASSOCHAM National Council on Education.</p>	
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SALIENT ACHIEVEMENTS:

Internshala - Internship Day'21

The banner features logos for Internshala, AICTE, and Crescent Institute of Science & Technology. The text reads: 'Placement & Training Cell Industry Institute Partnership Cell Announces Internship Day 2021'. Below this, it states 'Ranking report of B.S.Abdur Rahman Crescent Institute Of Science & Technology' next to an image of a trophy. At the bottom, two gold medals display the ranks: 150 for All India Rank (out of 2,000+ colleges) and 51 for Zonal Rank (out of 607 colleges).

**Placement & Training Cell
Industry Institute Partnership Cell
Announces
Internship Day 2021**

Ranking report of B.S.Abdur Rahman
Crescent Institute Of Science &
Technology

Rank	Context
150	All India Rank
Out of 2,000+	participating colleges across India
51	Zonal Rank
Out of 607	participating colleges across South Zone

DEPARTMENT OF PHYSICAL EDUCATION

SALIENT EVENTS:

(I) 71st Republic Day (26th January 2021):

Our beloved Chancellor Mr. BSA Arif Buhary Rahman hoisted the Flag. The Republic Day Celebration was attended by Dr. A. Peer Mohamed, Vice Chancellor, Dr. A. Azad, Registrar, Mr. V.N.A Jalal, Senior General Manager, Dr. N. Raja Hussain, Deputy Registrar, Deans, Directors, HoDs and other dignitaries. Students sang patriotic songs and displayed their talents on this occasion. Inauguration of 'Essential Staff Quarters', by the Chancellor, was followed by the Flag Hoisting Ceremony. Volley Ball and Kabaddi matches were conducted for staffs by the department of Physical Education.



Unfurling of Flag by Beloved Chancellor – Mr. BSA Arif Buhary Rahman





Inauguration of 'Essential Staff Quarters'



Kabaddi & Volleyball Matches for Staff Members

(II) 7th National Youth Rural Games - 2020

Mr. Vasist Vignesh of MBA first year, won the Gold Medal (Performance: 7.20 Mts) in long jump at 7th National Youth Rural Games 2020, organized by Youth Rural Sports and Games Federation of India, held at Anjuna Stadium and Muspsa Stadium, Goa from 20th November to 23rd November, 2020. This is the greatest achievement of the student for his hard work & dedication. We are thankful to our beloved Chancellor, Pro Chancellor, Pro Vice Chancellor, Registrar, Deputy Registrar and General Manager; for congratulating the student.



Mr. Vasist Vignesh of MBA 1st year

(III) Online Quiz of COVID - 19 Awareness and Need of Physical Activity

Department of Physical Education organized an Online Quiz on COVID-19 Awareness and Need of Physical Activity from 22.05.2020 to 25.05.2020. The quiz was conducted to create awareness and convey the importance of physical activity during Pandemic. A total of 300 students and staff members participated in the program and E-Certificates were also provided to the participants.

(IV) International Yoga Day - 2020

Department of Physical Education, Office of Student Affairs and Crescent Silambam Club organized Online Quiz and Asana Posture Competition on 18.06.2020 for the celebration of yoga day. E- Certificates were given to the participants.

INTERNATIONAL YOGA DAY CELEBRATIONS 2020

Asana Poster Competition
 (3 Asana JPEG Images Should be sent in on or before 20.06.2020)

Online Quiz event on yoga
 (Scored 40% and Above are eligible to get E-Certificate)

Contact 1
 Dr. Selvakumar
 Director
 Dept of Physical Education
 9790085085
 directorsports@crescent.education

Contact 2
 Dr. Karthikeyan R
 Dean,
 Student Affairs
 7502534668
 dean_student@crescent.education

Webinar-cum-Live Demo on Yoga
 On **21st June 20**
 @ **10 am**
 In **Zoom platform**

E-Certificate will be provided for all the participants

(V) Live Demo & Webinar

Live demo and Webinar were conducted on Yoga by Dr. Selvi on 21.06.2020. A total of 250 students and staff members participated in the webinar. E- Certificates were given to the participants.

(VI) 74th Independence Day 2020

Department of Physical Education, organized 74th Independence Day Celebration. Dr. A. Peer Mohamed, Pro Vice Chancellor hoisted the National Flag & addressed the gathering. Dr. A. Azad, Registrar; and Mr.V.N.A. Jalal, Senior General Manager were also glad to attend the event.



Honoring COVID Warriors for their Service during Pandemic Period

In the 74th Independence Day celebrations the COVID Warriors viz. Doctors, Nurses and Housing staffs were honoured by Dr. A. Peer Mohamed, Pro Vice Chancellor, Dr. A. Azad, Registrar and Mr. V.N.A. Jalal, Senior General Manager, with the Gift Packs.



(VII) 1st State Level Target ball Shooting Competition 2020

Venue: Crescent Sports Village

Date: 20 – 21, December, 2020.



Total of 152 players from 11 districts participated in the competition. Dr. A. Azad, Registrar; BSACIST and Mr. V.N.A. Jalal, Senior General Manager; BSACIST, inaugurated the event. Mr. Jamal Sherif G. F., Technical Chairman & General Secretary, TNTA; Dr S. Selvakumar, Director, Dept. of Physical Education, BSACIST; and Dr. R. Purushothaman, Dy. Director, Dept. of Physical Education, BSACIST & Technical Committee TNTA coordinated the event.



Dr. A. K. Kaliluthin Dy. Director (Campus Development & Maintenance) & Associate Professor, BSACIST delivered the Special Address and distributed prizes to the winners in the Valedictory Ceremony.



The following Districts participated in the event:

- Chengalpet
- Chennai
- Dharmapuri
- Kanchipuram
- Kanyakumari
- Krishnagiri
- Ranipet
- Thirupathur
- Thiruvallur
- Vellore
- Villupuram

Salient Events:

- Team Managers Meeting was conducted on **20.12.2020**, in Crescent Sports Village, in the presence of **Jamal Sherif G.F.**, Technical Chairman TNTA, General Secretary TNTA; **Dr. S. SELVAKUMAR**, Director, Dept. of Physical Education, BSACIST; **Dr. R. Purushothaman Dy.** Director, Dept. of Physical Education, BSACIST & Technical Committee of TNTA and Team Managers from participating districts.



- Inaugural Ceremony, Chief Guests : Dr. A. Azad, Registrar, BSACIST; Mr. V.N.A. JALAL, Senior General Manager, BSACIST; Dr. S. Selvakumar Director, Dept. of Physical Education, BSACIST and Mr. Jamal Sheif G F, Technical Chairman & General Secretary, TNTA.





- **Valedictory Ceremony:** Chief Guests: Dr. A. K. Kaliluthin Dy. Director & Associate Professor, BSACIST; Dr. S. Selvakumar Director, Dept. of Physical Education, BSACIST; Mr. Jamal Sheif G.F, Technical Chairman & General Secretary TNTA, Dr. S. Chandran, Advisor & Coach; Mr. N. Hamanulla, Dy. Director, Dept. of Physical Education, BSACIST and Dr. R. Purushothaman Dy. Director, Dept. of Physical Education, BSACIST & Technical Committee of TNTA. Students of B.S. Abdur Rahman Crescent Institute of Science and Technology won Second prize in Target-Ball, Women; and won Third prize in individual events.



OFFICE OF ALUMNI RELATIONS

The important events organised in the Academic Year 2020 - 21 are:

- Webinars : 8
- Departmental Alumni Meet : 1

Salient Activities and Achievements:

1. “Alumni Webinar Series” #12 on “Design and Sizing of Cables and Motors”

Office of Alumni Relations & Department of Electrical & Electronics Engineering conducted an Alumni Webinar on “Design and Sizing of Cables and Motors” by Crescent’s Alumnus Mr. Janarthanan. M (B.E. EEE 2002 Batch), Lead Engineer, Petrofac International Ltd, Oman on 03.07.2020.

BSACIST ALUMNI WEBINAR

Crescent
 Institute of Science & Technology
 Deemed to be University u/s 3 of the UGC Act, 1956
 An ISO 9001:2015 certified institution

International Alumni Webinar #12
 Office of Alumni Relations
 in association with
 Department of Electrical & Electronics Engineering

“Design and Sizing of Cables and Motors”

SPEAKER
JANARTHANAN .M
 Lead Engineer
 Petrofac International Ltd - Muscat
 (B. Tech EEE, 2002 Batch)

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations
 BSA Crescent Institute of Science and Technology, Chennai

03rd JULY 2020
 FRIDAY ☀️ 03:00 pm - 04:00 pm

Scan to Register Today!

Convenors:
 Dr. D. Najumdeen Jamal, Dean / SECS, School of Electrical and Communication Sciences
 Dr. Y. Mohamed Shuaib, HOD, Department of Electrical & Electronics Engineering

Coordinators:
 Mr. John Mathew, Alumni Coordinator, Office of Alumni Relations
 Mrs. S. Jeyanthi Bevi, Alumni Faculty Coordinator, Department of Electrical & Electronics Engg.

2. “Alumni Webinar Series” #13 on “Power System Analysis through ETAP”

Office of Alumni Relations & Department of Electrical & Electronics Engineering conducted an Alumni Webinar on “Power System Analysis through ETAP” by the Alumnus Dr. Adhi Narayanan Theerthamalai (M.E, Power System, 2004 Batch), Lead Engineer, Petrofac International Ltd, UAE on 17.04.2020.

BSACIST ALUMNI WEBINAR

Crescent
 Institute of Science & Technology
 Deemed to be University u/s 3 of the UGC Act, 1956
 An ISO 9001:2015 certified institution

International Alumni Webinar #13
 Office of Alumni Relations
 in association with
 Department of Electrical & Electronics Engineering

“Power System Analysis through ETAP”

SPEAKER
Dr. T. ADHI NARAYANAN THEERTHAMALAI
 Lead Electrical Engineer & Power Systems Study Specialist
 Petrofac International Ltd, UAE.
 (M.E - Power System Engineering, 2004 Batch)

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations
 BSA Crescent Institute of Science and Technology, Chennai

17th JULY 2020
 FRIDAY ☀️ 03:00 pm - 04:00 pm

Register here - <https://rs.gy/9q29j>
 or
 Scan to Register

E-Certificates will be provided to the participants

Convenors:
 Dr. D. Najumdeen Jamal, Dean / SECS, School of Electrical and Communication Sciences
 Dr. Y. Mohamed Shuaib, HOD EEE

Coordinators:
 Mr. John Mathew
 Mrs. S. Jeyanthi Bevi

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3. Alumni Webinar Series #14 on “Adapting DevOps Practices”

Office of Alumni Relations in association with the Department of Computer Science Engineering conducted an Alumni webinar on the topic “Adapting DevOps Practices” by the Alumnus Mr. Hariharan P (Crescent Alumnus, M.Tech CSE, 2014 Batch), Consultant at Infosys on 04.09.2020.

BSACIST ALUMNI WEBINAR#14

Crescent
 Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

Office of Alumni Relations
in association with
Department of Computer Science Engineering

“Adapting DevOps Practices”

SPEAKER
HARIHARAN P
 Consultant at Infosys
 (Crescent Alumnus, M.Tech CSE, 2014 Batch)

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations,
 BSA-Crescent Institute of Science and
 Technology, Chennai

04th SEPT 2020
FRIDAY 05:00 pm - 06:00 pm

Convenors
 Dr. Venkatesan Selvam, Dean, SCIMS
 Dr. E Syed Mohamed, HoD, CSE

Coordinators
 Mr. John Mathew
 Mrs. S.P.Valli

Register here : <https://fb.gy/nzpsks>
 or
 Scan to Register

E-Certificates will be provided to the participants

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4. Alumni Webinar Series#15 on ”How to become an Entrepreneur”

Office of Alumni Relations in association with the Department of Mechanical Engineering conducted an Alumni Entrepreneur webinar on the topic ”How to become an Entrepreneur” by the Alumnus Mr. K. Subramanian (Crescent Alumnus, B.E. Mech. Engg1998 Batch), Chief Operating Officer, alfaTKG India on 27.11.2020.

BSACIST ALUMNI WEBINAR#15

Crescent
 Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

Office of Alumni Relations
in association with
Department of Mechanical Engineering

Alumni Entrepreneurs Webinar on
How to become an Entrepreneur
Friday 27th November | 02.15 PM

SPEAKER
K. Subramanian
 Chief Operating Officer for alfaTKG India
 located at IIT Madras Research Park
 Crescent Alumnus, B.Tech - Mech - 1998 Batch

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations,
 BSA-Crescent Institute of Science and Technology, Chennai

Convenors
 Dr. S. Rasool Mohideen
 Dean
 School of Mechanical Sciences
 Dr. H. Siddhi Jallani
 HoD, HSE

Coordinators
 Mr. John Mathew
 office of Alumni Relations
 Mr. Abdur Zahaman
 Alumni Society Coordinator

Register here : <https://fb.gy/2Kx83K>
 or
 Scan to Register

E-Certificates will be provided to the participants

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5. Alumni Webinar Series #16 on “The Entrepreneur’s Guide to getting started”

Office of Alumni Relations in association with the Department of Computer Science and Engineering conducted an Alumni Entrepreneur Webinar on the topic “The Entrepreneur’s Guide to getting started” by the Alumnus Mr. Imthyaz Sheriff C (Crescent Alumnus, M.Tech CSE 2011 Batch), Director, Ideassion Technology Solutions on 03.12.2020.

BSACIST ALUMNI WEBINAR#16

B.S. Abdur Rahman
Crescent
 Institute of Science & Technology
 Deemed to be University u/s 3 of the UGC Act, 1956

Office of Alumni Relations
in association with
Department of Computer Science and Engineering

Alumni Entrepreneurs Webinar on
The Entrepreneur's Guide to getting started
 Thursday 3rd December | 10.00 AM

SPEAKER
Imthyaz Sheriff C
 Director
 Ideassion Technology Solutions
 Crescent Alumnus, M.Tech - CSE, 2011 Batch

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations
 BSA Crescent Institute of Science and Technology, Chennai

Convenors
 Dr. Venkatesan Selvam
 Dean, SCIMS
 Dr. E. Syed Mohamed
 HOD, CSE

Coordinators
 Mr. John Mathew
 Office of Alumni Relations
 Mrs. S. P. Valli
 Alumni Faculty Coordinator

Register here : <https://bit.ly/3p0z9p8>
 or
 Scan to Register

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6. Alumni Webinar Series #17 on “Challenges in Entrepreneurship”

Office of Alumni Relations in association with the Department of Information Technology conducted an Alumni Entrepreneur Webinar on “Challenges in Entrepreneurship” by the Alumnus Mr. Syed Shabbar Safiullah (Crescent Alumnus, B.Tech. IT 2006 Batch), Director, Cloud Services at Cryztal Technologies on 11.12.2020.

BSACIST ALUMNI WEBINAR#17

B.S. Abdur Rahman
Crescent
 Institute of Science & Technology
 Deemed to be University u/s 3 of the UGC Act, 1956

Office of Alumni Relations
in association with
Department of Information Technology

Alumni Entrepreneurs Webinar on
Challenges in Entrepreneurship
 Friday 11th December | 11 AM

SPEAKER
Mr. Syed Shabbar Safiullah
 Director
 Cloud Services at Cryztal Technologies
 Crescent Alumnus, B.Tech - IT, 2006 Batch

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations
 BSA Crescent Institute of Science and Technology, Chennai

Convenors
 Dr. Venkatesan Selvam
 Dean, SCIMS
 Dr. I. Sathik Ali
 HOD, IT

Coordinators
 Mr. John Mathew
 Office of Alumni Relations
 Dr. P. Latchourmy
 Alumni Faculty Coordinator

Register here : <https://bit.ly/3p0z9p8>
 or
 Scan to Register

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7. Alumni Webinar Series #1 on “Journey as an Entrepreneur in Civil Engineering Field”

The Office of Alumni Relations in association with the Department of Civil Engineering conducted an Alumni Entrepreneur Webinar on the topic “Journey as an Entrepreneur in Civil Engineering Field” by the Alumnus Mr. Hasnain Razvi (Crescent Alumnus, B.Tech. Civil Engg 2017 Batch), Director, Tincorr Construction Solutions on 29.04.2021.

BSACIST ALUMNI WEBINAR #01

Office of Alumni Relations
in association with
Department of Civil Engineering

Alumni Entrepreneurs Webinar on
Journey as an Entrepreneur in Civil Engineering Field
 29th April 2021 | 10.30AM To 11.30AM

SPEAKER
Mr. Hasnain Razvi
 Director
 Tincorr Construction Solutions
 Crescent Alumnus, B.Tech - Civil Engineering, 2017 Batch

MODERATOR
Dr. K. Ganesh
 Director - Office of Alumni Relations
 BSA Crescent Institute of Science and Technology

Convenor
Dr. Vasanthi Padmanabhan
 Dean, School of Infrastructure

Coordinators
Mr. John K Mathew
 Office of Alumni Relations
Dr. Nisha Khanam
 Alumni Faculty Coordinator

Register here :
<https://rb.gy/s7as5i>

BSACIST Office of Alumni Relations | Crescent Office of Alumni Relations | BSACIST OAR

8. Alumni Webinar Series #2 on “Power System Automation“

The Office of Alumni Relations in association with the Department of Electrical & Electronics Engineering organized a Alumni webinar on the topic “Power System Automation“ by Dr. Arunachalam Sundaram, (Crescent Alumnus, M.E Power Systems Engineering, 2004 Batch), Associate Professor / EEE, Jubail Industrial College, Kingdom of Saudi Arabia on 30.06.2021.

BSACIST ALUMNI WEBINAR #02

Office of Alumni Relations
in association with
Department of Electrical and Electronics Engineering

Alumni Webinar on
Power System Automation

Speaker:
Dr. Arunachalam Sundaram,
 Associate Professor / EEE,
 Jubail Industrial College,
 Kingdom of Saudi Arabia,
 Crescent Alumnus, M.E Power Systems Engineering,
 2004 Batch

Moderator
Dr. K. Ganesh
 Director
 Office of Alumni Relations

Convenors
Dr. D.Najumissa Jamal,
 Dean (EEE)
Dr. Y. Mohamed Shuaib,
 HOD (EEE)

Coordinators
Mr. John K Mathew,
 Office of Alumni Relations
Mrs. S.Jennathu Beevi,
 EEE

30th June 2021
4.00 pm IST

Registration link:
<https://rb.gy/pnrcak>

Certificates will be provided to the participants

BSACIST Office of Alumni Relations | Crescent Office of Alumni Relations | BSACIST OAR

9. Virtual Alumni Meet 2021 - Department of Electrical & Electronics Engineering

The Office of Alumni Relations and the Department of Electrical & Electronics Engineering Organized a “Virtual Alumni Meet 2021” on 26.06.2021.

Crescent EEE Alumni cherished their fond memories of the days spent in Crescent. An alumni interaction was held regarding admissions, placement assistance and career guidance.



OFFICE OF INTERNAL QUALITY ASSURANCE CELL

1. ACCREDITATION

1.1 NAAC - CYCLE-II PEER TEAM VISIT AND THE GRADE

- The National Assessment and Accreditation Council (NAAC) Cycle-II Peer Team Visit happened to our Institution during February 3-5, 2021 as per the approved schedule by following the guidelines and Standard Operating Procedures (SOPs) of NAAC.
- NAAC accredited B.S. Abdur Rahman Crescent Institute of Science and Technology with A+ Grade (CGPA: 3.33 out of 4.00) for the period of five years w.e.f. 08-02-2021.

S. No.	Criteria	Weight age	Criterion-wise Weighted Grade Point	Criterion Wise Grade point Average
01	Curricular Aspects	150	570	3.80
02	Teaching-Learning and Evaluation	192	650	3.39
03	Research, innovations and Extension	231	667	2.89
04	Infrastructure and Learning Resources	95	327	3.44
05	Student Support and Progression	85	297	3.49
06	Governance, Leadership and Management	100	322	3.22
07	Institutional Values and Best Practices	100	339	3.39
OVERALL SCORE				3.33

NAAC – Peer Team Observations

Three Major Features of Institution:

- Setting up of Institute Innovation and Incubation Council under section 8 to encourage the students and faculty for having their own startups to provide

affordable solutions to the problems / needs of the society in the contemporary context

- The curricula is revised once in every 4 years for 4-year degree programmes and once in 3 years for academic programmes of 2 or 3 years
- Attainment of program outcomes, program specific outcomes and course outcomes is evaluated

Overall Analysis: Strengths & Observations

- Since last NAAC cycle, the Institute has continuously grown in terms of expansion of physical infrastructure, academic programmes and students enrollment. The entire curriculum of the Institution is based on course outcomes as well as program outcomes. The Institute has been able to create a reasonably good innovation and start up culture over the years. Further to encourage quality in the research publications of the faculty, it has put in place an incentive mechanism for the faculty. In order to ensure a resilient teaching-learning process, Institute has recently set up a facility, an e-content development in a sound proof studio. It has been following Green practices aligned with sustainable goals (4, 6 & 7). Given the effective Governance system and the perspective plan of the Institute, there is every reason to be optimistic of the future about the growth of the Institution.
- All the Ph.D. programmes must be preceded by Masters / M.Tech level academic programmes
- Academic programmes in disciplines Humanities and Social Sciences in line with National Education Policy should be initiated.
- The external evaluation must be enhanced across all disciplines.
- Some reflection on the admission process is required in order to enhance diversity among the student population especially Female to Male ratio.
- More accommodation for female students and teaching faculty are required.

NAAC A+ Grade has been communicated to the following Statutory / Regulatory agencies.

- (i) UGC
- (ii) AICTE
- (iii) National Board of Accreditation
- (iv) Bar Council of India
- (v) Pharmacy Council of India
- (vi) Council of Architecture

- (vii) The Department of Higher Education - MoE
- (viii) National Commission for Minority Education Institution
- (ix) Association of Indian Universities

2. RANKINGS & RATINGS

2.1 Times Impact Rankings

Result for the year 2020

- The results of the Second Edition of “THE University Impact Rankings 2020” have been released and our Institute has performed well in the rankings as follows:

Name of SDGs	Rank Band (World Ranking)
SDG 7 : Clean and Affordable Energy	101 – 200
SDG 4 : Quality Education	301 – 400
SDG 6 : Clean Water and Sanitation	301 – 400
SDG 17: Partnership for the Goals	601 – 800
OVERALL SCORE	401 - 600

Result for the year 2021

- The results of the Third Edition of “THE University Impact Rankings 2021” have been released in a “Global Online Summit” held on 21 April 2021. Our Institute has performed well in the rankings as follows:

Name of SDGs	Rank Band (World Ranking)	Overall Score
SDG 6 : Clean Water and Sanitation	101 – 200	53.5
SDG 7 : Clean and Affordable Energy	101 – 200	60.0
SDG 4 : Quality Education	301 – 400	55.7
SDG 5 : Gender Equality	301 – 400	47.8
SDG 17: Partnership for the Goals	601 – 800	44.4
OVERALL SCORE	401 - 600	57.7

2.2 Data Quest 2021

- Crescent has participated in the “Best Tech School Survey” conducted by the prestigious “Data Quest”, during February 2021.

- Data Quest T-School Survey has ranked our Institute as follows, in their 16th Edition of National Level T-School Ranking during April 2021:

Category	Rank
Top T-School in India 2021 – Private	All India Rank “1”
Top T-Schools in India 2021 – Zone Wise	South Zone “2”
Top T-School in India 2021 – Overall (Government & Private Sector)	All India Rank “5”

2.3 TECH 100 – Higher Education Institutions of India

- Our Institute has been listed in the Top 100 Higher Education Institution of India organized by M/s. APAC News Network India Pvt. Ltd., an external agency which showcases the top Higher Education Institutions, in India.


2.4 NIRF India Rankings 2020

- The Institute bagged All India 123rd rank in the Engineering category by NIRF India Rankings 2020, MOE, Government of India



University - Rank Band: 151 - 200

6/20/2020 MHRD, National Institute Ranking Framework (NIRF) Gallery |

 **National Institutional Ranking Framework**
 Ministry of Human Resource Development
 Government of India

HOME ABOUT NIRF PARAMETERS DOCUMENTS RANKING NOTIFICATION/ADVT. FAQs CONTACT

India Rankings 2020: University (Rank-band: 151-200)

Institution list in alphabetical order:

Name	City	State
Alliance University	Bengaluru	Karnataka
Amity University	Mumbai	Maharashtra
Amity University Gwalior	Gwalior	Madhya Pradesh
Assam Don Bosco University	Azara	Assam
B. S. Abdur Rahman Crescent Institute of Science and Technology	Chennai	Tamil Nadu
Berhampur University	Berhampur	Odisha
Central University of Gujarat	Gandhinagar	Gujarat
Central University of Kashmir	Srinagar	Jammu and Kashmir
Central University of South Bihar	Gayo	Bihar
Centre for Environmental Planning and Technology University	Ahmedabad	Gujarat
Centurion University of Technology and Management	Paralakhemundi	Odisha
Chitkara University	Solan	Himachal Pradesh
Chitkara University	Rajpura	Punjab
Christ University	Bengaluru	Karnataka
Cotton University	Kamrup Metropolitan	Assam

Engineering Category: Analysis

Year	Teaching - Learning Resources (100)	Research & Professional practice (100)	Graduate Outcomes (100)	Outreach & Inclusivity (100)	Perception (100)	Total Score (100)	Rank
Weightage	30%	30%	20%	10%	10%	100%	-
2016	61.16	61.37	63.61	65.39	21	57.80	54
2017	62.60	9.92	42.97	62.83	3.51	36.97	89
2018	63.79	11.75	46.73	44.42	11.20	37.57	79
2019	58.98	7.73	43.23	45.28	5.07	33.70	131
2020	62.25	8.72	45.67	45.18	4.72	35.41	123

TLR (100)	RPC (100)	GO (100)	OI (100)	PERCEPTION (100)
62.25	8.72	45.67	45.18	4.72

NIRF India Rankings 2021

- The Office of Director (IQAC) submitted the data to National Institutional Ranking Framework (NIRF) on February 19, 2021 to participate in NIRF India Rankings 2021 under different categories such as Engineering, Management, Architecture, Research and overall and awaiting for the results.

2.5 QS E-Lead Certification



2.6 QS Asia Ranking 2021

- QS Asia Ranking 2021 has ranked our institution in the rank band of 551-600.



**Overall Rank in Asia
 551 - 600**

2.7 THE World University Rankings 2021

- The Office of Director (IQAC) submitted the data to The World University Rankings during March 2021 under Engineering, Physical Sciences and Overall Category.

2.8 ARIIA – 2020

- The Office of Director (IQAC) facilitated CIIC to submit the data to Ministry of Education (MoE), Govt. of India for the participation under Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2021 during March 2021. Our Institute has been ranked in the “Excellent” Category.

2.9 THE WEEK - HANSA RESEARCH - ENGINEERING COLLEGE SURVEY 2021

- The Office of Director (IQAC) submitted the data to The WEEK – Best College Survey Ranking 2021 during May 2021 under Engineering Category.

3. REGULATORY BODIES

3.1 AICTE

- Our Institute has submitted the application to AICTE on 10th April 2021 for the
 - (i) Extension of Approval for the courses offered by this institute,
 - (ii) Starting of New PG Courses,
 - M.Tech (Artificial Intelligence & Data Science) – 18 seats
 - M.Tech (Data Science) – 18 seats
 - M.Tech (Food Technology) – 18 seats
 - MBA (Innovation, Entrepreneurship and Venture Development) – 30 seats
 - (iii) Reduction in Intake in the following courses,
 - B.Tech (Mechanical Engineering) – from 120 to 60 seats
 - B.Tech (EEE) – 60 to 30 seats
 - (iv) As our institute obtained NAAC “A+” Grade, the application has been submitted to AICTE for offering the Courses in MBA and MCA under Open and Distance Learning (ODL) and Online Learning (OL) mode.
- AICTE conducted the scrutiny process through online for the approval of (i) ODL / OL, (ii) Extension of Approval for Regular Courses and (iii) MBA (IEV) during 11th June 2021, 23rd June 2021 and 28th June 2021 respectively.
- Report of Online Scrutiny for ODL / OL Mode courses has been received from the AICTE on 19th June 2021.

3.2 UGC

- The Institute has been awarded with “A+” Category by NAAC, Office of IQAC forwarded an official communication to UGC requesting for the grant of “Category II” Status to the Institute.

- The Proforma has been submitted to UGC for 12B Status.

4. INTERNAL QUALITY

4.1 14TH MEETING OF IQAC

- The 14th meeting of Internal Quality Assurance Cell (IQAC) was held on March 30, 2021 through online at 11 a.m. The following agenda has been discussed in the Meeting.

Item No.		Presenter
A. Opening		
14.1	Call to Order	Chair
14.2	Approval of the Agenda of the 14 th Meeting	Chair
14.3	Confirmation of minutes of the 13 th Meeting of IQAC	Chair
14.4	Review of the Action Taken Report (ATR) in respect of the 13 th Meeting of IQAC	Chair
B. Items for Discussion		
14.5	NAAC A+ Grade and Peer Team visit Report	Director (IQAC)
14.6	Analysis of Faculty Feedback on Curriculum	Dean (AA)
14.7	Major Revision of Curriculum and Academic Regulations 2021	Dean (AA)
14.8	Analysis of Student Feedback (Level 1 & Level 2)	Dean (AA)
14.9	Analysis of Alumni (2020 Graduated) Feedback	Director (P&T)
14.10	Analysis of Faculty Performance Appraisal (2019-20)	Director (HR)
14.11	Analysis of Stakeholders' feedback (website)	Director (IQAC)
14.12	Revision of Level 1 & Level 2 Feedback Questionnaire	Director (IQAC)
C. Items for Recording		
14.13	Salient Activities and Achievements of Schools	Dean Concerned
	1. School of Electrical and Communication Sciences	
	2. School of Infrastructure	
	3. School of Physical and Chemical Sciences	
14.14	Salient Activities and Achievements of the Office of Director (IQAC)	Director (IQAC)
14.15	Resolutions made in Statutory Committee Meetings – BOM, AC, P&M and FC	Registrar

D. Other Discussions and Adjournment	
14.16	Any other item with the permission of the Chair
	Date of Next Meeting
	Concluding with Vote of Thanks by the Director (IQAC)

4.2 ISO

- As the Quality concern Institution, to maintain the Quality Management Standards in the educational process, this institute has been under going periodic Remote Audit (ISO 9001:2015) by M/s DNV-GL.
- The Audit was conducted during December 07 - 09, 2020 and the Audit findings report has been submitted to the External Auditor on 9th March 2021.

5. EVENTS ORGANIZED / ATTENDED ON QUALITY THEMES

5.1 Events Organized

- An online Workshop on “Outcome Based Curriculum Design for Engineering Programmes – A Reference Framework” has been organized on 22nd April 2021. The HODs, Deans, Directors and other Senior Faculty members attended the meeting. Dr. A. Abudhahir, Director (IQAC) is the Resource Person of the Workshop.
- To facilitate the stakeholders of Higher Educational Institutions (HEIs) about internalization and institutionalization of the nuances of NEP 2020, the Internal Quality Assurance Cell (IQAC) of B.S. Abdur Rahman Crescent Institute of Science and Technology organized a National Webinar on “**Implementation of NEP 2020 in HEIs**” on 16th June 2021 through Online.
- The details of resource persons are as follows:

Name of the Eminent Speaker	Topics
Dr. D.P. Agarwal Ex-Chairman, UPSC, New Delhi	Evolution of NEP in India & their impacts
Dr. Dinesh K. Paliwal Former Member Secretary, NBA, New Delhi	Benefits of NEP 2020 to the Stakeholders
Prof. S. P. Thyagarajan Chancellor, Avinashilingam Institute of Home Science & Higher Education for Women,	Overview of NEP 2020 – The HEIs Perspective

Coimbatore	
Dr. S. J. Thiruvengadam Dean, Academic Process Thiagarajar College of Engineering, Madurai	Revamping of Curriculum aligning with NEP 2020
Dr. Siby John Director (Ad- Interim) Punjab Engineering College, Chandigarh	Implementation of NEP 2020 in HEIs

- Around 650 participants including Vice Chancellors, Directors, Deans and Head of the Departments from various colleges / institutes across the country have participated.

5.2 Events Attended

S. No.	Name of the Programme	Organized by	Place	Attendees	Date
01	“Salient Features of Approval Process Handbook (2021-2022) for Resetting Technical Education & Implementing National Education Policy 2020”	EPSI & AICTE	Taj Connemara, Anna Salai, Chennai	Dr. A. Peer Mohamed, Vice Chancellor Dr. A. Azad, Registrar Dr. A. Abudhahir, Director (IQAC) Dr. Sharmila Sankar, Prof. / CSE Dr. S. Valli, Assoc. Prof. / CSE Dr. K. Javubar Sathick, Assoc. Prof. / MCA Dr. M. Mohamed Thaha, Asst. Prof. / CSE	18 March 2021
02	Regional Research Symposium on PBL	Karnataka State Higher	Bangalore	Dr. A. Abudhahir Director (IQAC)	18-19 June 2021

		Education Council Aalborg University, Denmark AICTE, IUCEE	(Online Meeting)	Dr. C. Tharini HOD / ECE Dr. M. Mohamed Thaha, Asst. Prof. / CSE Dr. H. Kareemullah Asst. Prof. / EIE	
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6. FACILITATIONS

6.1 Submission of Data through GOOGLE Forms to Statutory Regulatory Bodies:

Subject	Date of the Submission
AICTE - Filling up the reservation backlog and other vacancies in Higher Education Institutions - Filled in Google Form - Submitted to AICTE	01.04.2021
Important & Urgent: Filling up data to evaluate the impact of EWS reservation in Higher Education Institutions	16.04.2021
Reports of Implementation of National Education Policy (NEP) 2020	31.05.2021
Clarification regarding excess pass-out students against total enrolled / approved students – PGDM programme	09.06.2021
Action Taken Report on free vaccination for 18-44 years age group starting from 21 st June 2021	22.06.2021
Contact details of TPOs and Student Placement Coordinators	24.06.2021
AICTE - International Day of YOGA 2021	28.06.2021
Updation of brief on educational relations with foreign countries	29.06.2021
NITTTR - Mentor Orientation Training Programme	29.06.2021

CRESCENT INNOVATION & INCUBATION COUNCIL

EXECUTIVE SUMMARY:

Crescent Innovation & Incubation Council (CIIC) has been established as a Section-8 non-profit company and registered under Indian Companies Act 2013. CIIC acts as a "One Stop Shop Technology Business Incubator (TBI)" for start-ups. CIIC facilitates entrepreneurial & innovative ecosystem to all the stakeholders including the students, faculties, industries, investors and society at large. CIIC is under the ambit of B.S. Abdur Rahman Crescent Institute of Science and Technology, CIIC is presently focusing on the disruptive technologies in the domains of Industry 4.0, Mobility Transportation & Life Sciences.

SOME KEY INSIGHTS:

Crescent Innovation & Incubation Council (CIIC) is recognised by

- Start-up India.
- BIRAC - Department of Biotechnology, Government of India. Institution's Innovation Council (IIC), Ministry of Education's Innovation Cell.
- EDII - Entrepreneurship Development Innovation Institute, Govt. of Tamil Nadu.
- District Industries Centre, Directorate of Industries & Commerce, Govt. of Tamil Nadu.
- European Union Commission has recognised CIIC as one the Indian Incubator for Indo-Europe Network Incubator Partnership.

Vision:

To become a University-based Startup Incubator of Excellence, reforming entrepreneurial student aspirants and startups into profitable entities, thereby creating an impact on the economic development and community wealth.

Mission:

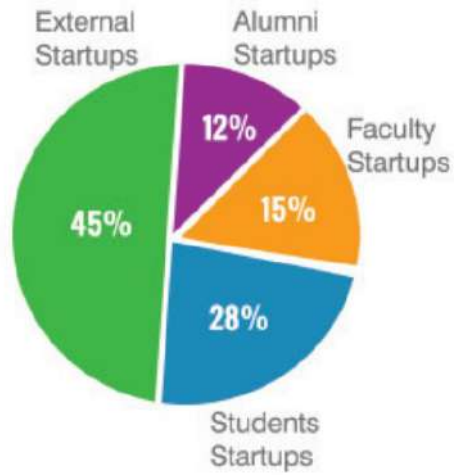
- Recognize & Nurture students, faculty, and alumni into start-ups.
- Creating and promoting collaborative networks through partnerships between academia, industry, government.
- Creation of facilities by establishing Centers of Excellence.
- Increasing and advancing the in-house operational skills for leveraging entrepreneurial expertise and resource network.

- Identify & nurture top-notch entrepreneurs in Life Science and Industry 4.0 through expert mentoring and foster lean start-ups to sustainable companies.

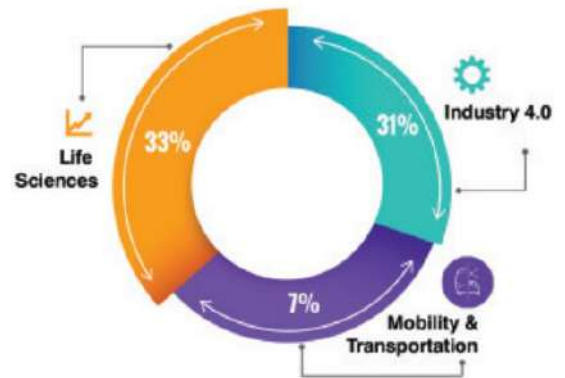
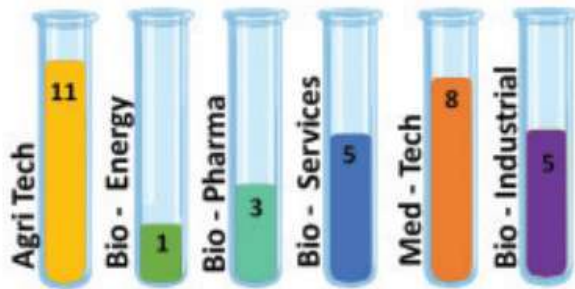
Impact Created:



71 Start-Ups

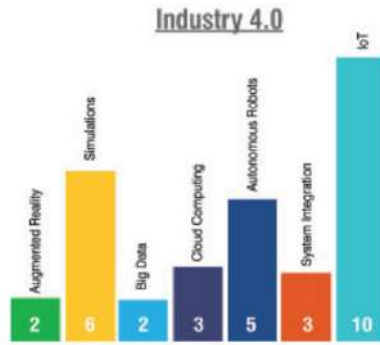


Life Sciences



Mobility & Transportation

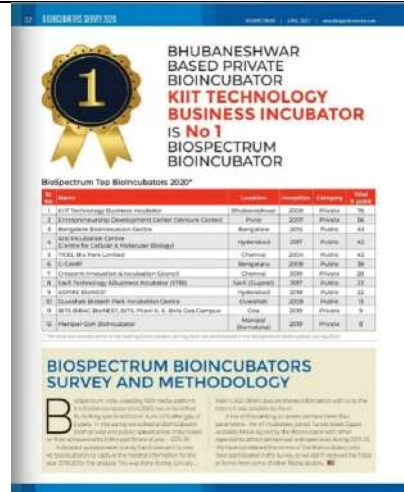




Key Highlights:

<p>BSACIST powered by CIIC obtained the 'BAND A' (Rank 6 - 25) in ATAL Ranking of Innovation Achievements in the category of University & Deemed to be University (Private Self-financed) on 18.08.2020.</p>	
<p>BSACIST powered by CIIC obtained 5 STAR Ranking from IIC (Institution's Innovation Cell) by Ministry of Education on 22.09.2020.</p>	

CIIC featured in the Bio-spectrum Magazine securing the third best private Bio-incubator for the third consecutive year on April 2021



Crescent Innovation Incubation Council (CIIC) has been selected as one of the top 12 incubators in Chennai by Startup TN's (TANSIM) "Scale up: Incubators " programme and is recognised with an award of Rs. 3.5 lakhs.




Facilities at CIIC:

Biotech Laboratory SSS



<p>Plant Tissue culture facility</p>	
<p>Class 10,000 Clean room facility</p>	
<p>Smart Manufacturing- 3D printer</p>	
<p>Poly-house</p>	
<p>Recreation Area</p>	

<p>Well-equipped Media Studio</p>	
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**Webinars, Events and Workshops:
 Visits and Meetings:**






<p>CIIC has collaborated with C-i HUB Accelerator (Middle East) focused accelerator and Gibraltar Technologies.</p>	
<p>Team CIIC & C-iHUB Accelerator met Mr. Abid Junaid, Chairman, Radiant Star & 'Hot breads' Mr. M. Mahadevan in Dubai.</p>	
<p>CIIC team visited the Dubai Science Park, UAE. An elaborate discussion was conducted with the Managing Director Mr. Marwan Abdulaziz Janahi.</p>	

<p>CIIC team visited AREA 2071 and interacted with Mr. Saeed Al Mubarak Kharbash Al Marri, Deputy Managing.</p>	
<p>CIIC team visited In5 Innovation Center facility and interacted with them to build cross border collaborations for startups.</p>	
<p>CIIC team privileged to participate in the "Sharjah Ramadan Economic Majlis".</p>	
<p>CIIC team visited Sharjah Research Technology and Innovation Park.</p>	
<p>Thiru. P. Selvarajan, Additional Director and Thiru.R.Muthuraman, Deputy Director, Entrepreneurship Development Innovation Institute (EDII), Govt of Tamilnadu visited CIIC and interacted with startups.</p>	

<p>Mr. M Parvez Alam - CEO of CIIC interacted with Mr. Mansoor Ali Khan, MD, M Auto Electric Mobility Pvt. Ltd.</p>	
<p>The CIIC team and Thassim Bheevi Abdul Kader College for Women (TBAK) team visited Aqua Agri Processing Private Limited.</p>	
<p>The CIIC Team visited Coastal Energen Pvt. Ltd., Thoothukudi.</p>	
<p>The CIIC Team visited Fisheries College and Research Institute, Thoothukudi.</p>	

<p>The CIIC Team as a part of Co-incubation visited Holy Cross College, Trichy.</p>	
<p>The CIIC CEO visited the manufacturing facility of Propeller Technologies Pvt. Ltd.</p>	
<p>CIIC initiated National Innovation Startup Policy (NISP) committee meeting with faculties and management on 29.12.2020.</p>	
<p>The CIIC team visited CFDT - TANUVAS (College of Food and Dairy Technology - Tamil Nadu Veterinary and Animal Sciences University), Chennai.</p>	

<p>Mr. Victor Joseph, Senior Mentor, Mr. Dillibabu Krishnan, Project Head and Mr. Anbazhagan, Mentoring India Head from BYST visited CIIC.</p>	
<p>CIIC initiated the induction of the 1st cohort of 10 faculty start-ups from the Institute as per the National Innovation and Start-up Policy on 27.01.2021.</p>	
<p>Dr. C.N Krishnan, Professor of Eminence, AU-KBC Research Centre, Anna University and his team visited CIIC on 17.02.2021</p>	
<p>Mr. R Senthil Kumar and Mr. Tirupathi, Officials from MSME - Development Institute visited and appreciated CIIC facilities for Incubation on 17.02.2021</p>	

<p>Dr. P. R Nisha and Dr. Gayathri from TANUVAS, Krishi Vigyan Kendra (KVK), Government of India visited CIIC</p>	
<p>The CIIC team visited the facility of Onium Life Sciences (an incubatee of CIIC).</p>	
<p>The CIIC team visited Nudge Foundation and met Mr. Atul Satija, Founder & CEO and his team.</p>	
<p>The CIIC team visited and discussed with Dr. Mala, The Chair Person, Tagore Medical College and Hospital Management.</p>	
<p>The CIIC team attended and interacted with Native Lead at IITM Research Park, Chennai.</p>	

<p>CIIC organised an orientation cum awareness session for Final year Students of CSB</p>	
<p>The CIIC team visited Coastal Energen, Tuticorin along with the founders of CIIC incubated startup.</p>	
<p>The CIIC team attended and interacted with Native Lead, IITM Research Park, Chennai.</p>	
<p>Inauguration of the Centre for Microalgal and Nano-biotechnology at CIIC spearheaded by Dr. Mubarak Ali, founder of Al-Siraat: Microalgal Liquid fertilizer.</p>	

<p>The CIIC team visited Dr. Anita Gupta, Advisor and Scientist, DST at Delhi to discuss on DST funded schemes and grants.</p>	
<p>CIIC Team visited IITM Research Park to sign a MoU with IITM Incubation Cell.</p>	
<p>The CIIC team visited Ms. Selvarani, South Region Head, MoE Innovation Cell (MIC), Ministry of Education (MoE) and Mr. Pankaj Pandey, Startup Fellow, MIC, MoE at AICTE, Delhi.</p>	
<p>The CIIC team visited Shri HK Mittal, DST, Chairman of Startup India Seed Fund Scheme (SISFS).</p>	

The management from National College of Pharmacy, Calicut



The CIIC team visited DERBI Foundation, Bengaluru to discuss on measures to improve incubation



The CIIC team visited Shri HK Mittal, DST, Chairman of Startup India Seed Fund Scheme (SISFS)



The team from TIIC visited CIIC to explore its facilities and discussed on possible opportunities provided to startups.



The team from CIIC paid a visit to BRIGADE-REAP in Bangalore to discuss on different opportunities which will enable CIIC's advancement.



Partners Established:

Government



Ecosystem



Investors



Business



BOARD OF DIRECTORS:



Mr. Khalid A. K. Buhari
 Director



Mr. Arif A. Rahman Buhari
 Director



Mr. Abdul Qadir A. Rahman Buhari
 Director



Mr. Syed Mohammed Buhari
 Director



Dr. A. Peer Mohamed
 Director



Dr. A. Azad
 Director



Mr. M. Parvez Alam
 Director & CEO

BOARD OF ADVISORS:



Mr. Ahmed Buhari Rahman
 Advisor



Mr. Ashraf Buhari Rahman
 Advisor



Dr. Taslimarif Saiyed
 Advisor



Mr. Chandu Nair
 Advisor



Mr. Reji Joseph
 Advisor



Dr. Rajan Srikanth
 Advisor

CIIC TEAM:



**Ms. Bhuvaneshwari
Nagarajan**
Start-Up Coordinator



Mr. M. Dinesh
Scientific Officer



Ms. Allsha Rachel Abraham
Incubation Associate



Ms. Parvathy S.
Research Associate



Mr. M. Parvez Alam
CEO & Director



Mr. C.N.Prem Kumar
Incubation Manager



Dr. Nisha Mukund
Technical Manager



Mr. T R. Natarajan
Program Manager



Ms. Yasmin Khadher
Accounts Officer



Mr. M. Kavın Prabhu
Admin Executive



Mr. D. Karthick
Admin Executive

CENTRAL LIBRARY

I. FACTS AND FACILITIES

The Central Library of B.S. Abdur Rahman Crescent Institute of Science and Technology has huge collections of books and journals in the field of Science, Engineering, Technology, Architecture, Pharmacy, Law, Management and Humanities.

The Library functions 16 hours in a day (08.00 am to 12.00 midnight). It works on Saturdays and Sundays as well. The Central Library is well connected with School / Department Libraries, functioning in all the Schools and Departments.

The Digital Library of the Institute works 24/7. The Library has membership in [National Digital Library of India](#), under the mission of National Knowledge Network. The Library is also a member in [eShodhSindhu](#) and other relevant online resources.

The Library is member of DELNET (Developing Library Network), MALIBNET (Madras Library Network), British Council Division, Anna University - Chennai, American Information Resource Centre and Structural Engineering Resource Centre (SERC), Chennai.

The Library is subscribing online journals such as ASCE, ASME, IEEE, EBSCO Art & Architecture, ProQuest, Royal Society of Chemistry, SPRINGER, All India Reporter and Supreme Court Cases, etc. All these resources can be accessed from anywhere at any time by any device through '[Remote Access](#)'.

The Library has the facility to check plagiarism through [Turnitin](#) software. Library conducts 'Annual Book Exhibition', which enable our staff, research scholars and students to go through hundreds of titles of their area of interest in one roof.

II. OBJECTIVES OF CENTRAL LIBRARY

- To support and facilitate Teaching, Learning & Research activities of the Institution.
- To serve as information centre for our user community.
- To make Library & Information systems, as user friendly as possible with the applications of ICT tools.
- To provide appropriate and comfortable environment for the use of library resources.

III. BOOKS & JOURNALS PURCHASED DURING THE YEAR 2020-21

Description	Books Purchased (till December 2021)		Periodicals Subscribed	
	Volume	Title	Online	Print
Books Purchased	493	327		
Total Books Available	103986	57052	17055	275

IV. LIBRARY RESOURCES

(a) Print Books

The Central Library has **103986** volumes of books in **57052** titles on different disciplines, covering all major fields of Engineering, Technology, Architecture, Law, Health Science, Life Science, Social Science and Humanities.

Sl. No.	School / Department	Volumes	Titles
1	CIVIL	9044	4670
2	ARCHITECTURE	2964	2147
3	AUTOMOBILE	2657	1080
4	MECH	8392	4684
5	AERONAUTICAL	2733	1209
6	EEE	7855	4532
7	ECE	7734	4789
8	CSE	8056	4512
9	IT	5067	2204
10	E&I	5085	2584
11	PT	3938	1811
12	MCA	6114	3201
13	LAW	4180	1671

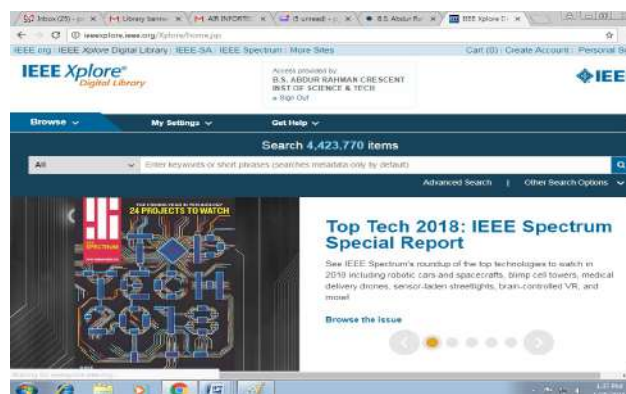
14	PHARMACY	2016	806
15	MBA	10616	6307
16	MATHS	2573	682
17	PHYSICS	1384	718
18	CHEMISTRY	1290	963
19	LIFE SCIENCE	869	709
20	ARABIC & ISLAMIC STUDIES	7088	4552
20	SOCIAL SCIENCE	1984	1071
21	GENERAL	2347	2150
	TOTAL	103986	57052

(b) e-Books

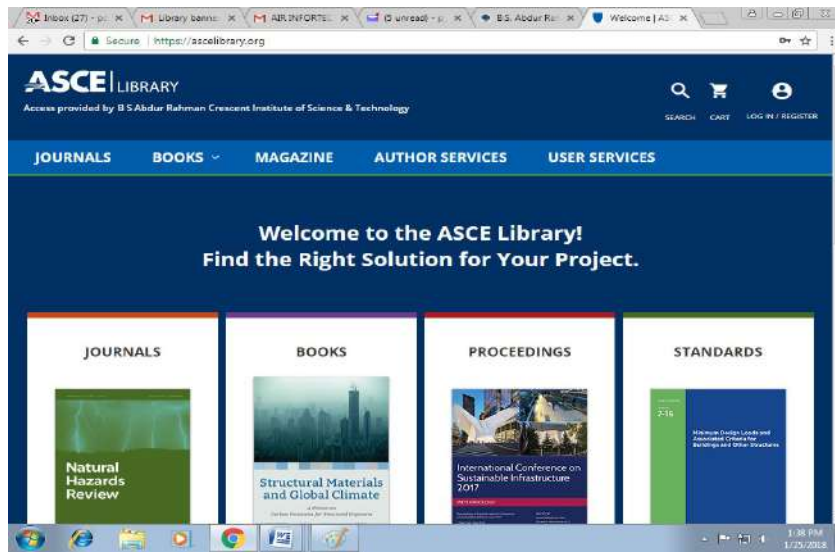
The revolution, which took place in Information and Communication Technology (ICT), has made a paradigm shift in the route to access library & information centres. Realizing the importance of e-access and its advantages, the library has shifted its focus towards paid subscription as well as open access e-Books. The Central Library of our Institute has 17400 eBooks.



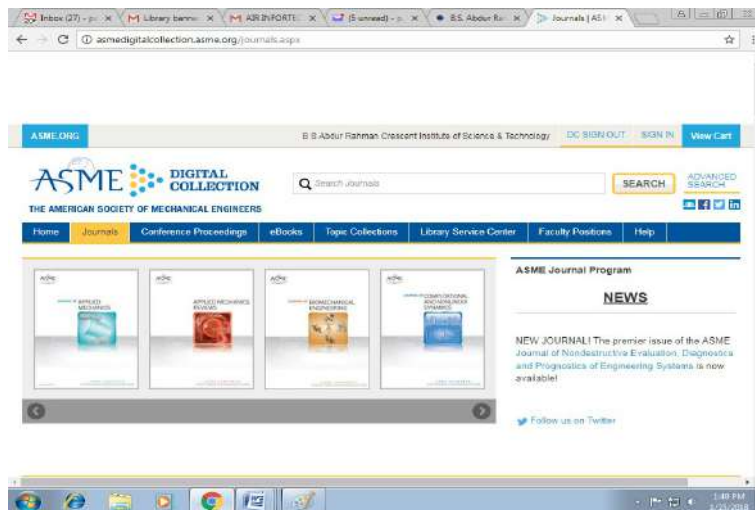
The Central Library is subscribing over 17 thousand online journals in various disciplines. These e-journals can be accessed anywhere in the world at anytime by any device. For the current year, all the journals have been renewed and remote access facility is made available. The Central Library is conducting various awareness and orientation programs for effective and efficient utilization of the journals. The following e-Journal packages have been renewed for the year 2020.



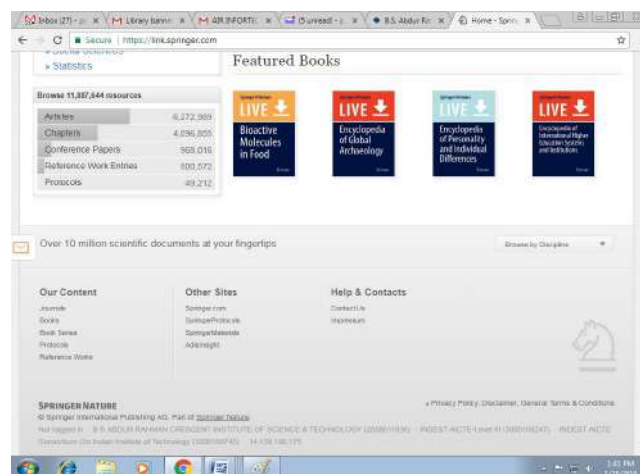
IEEE



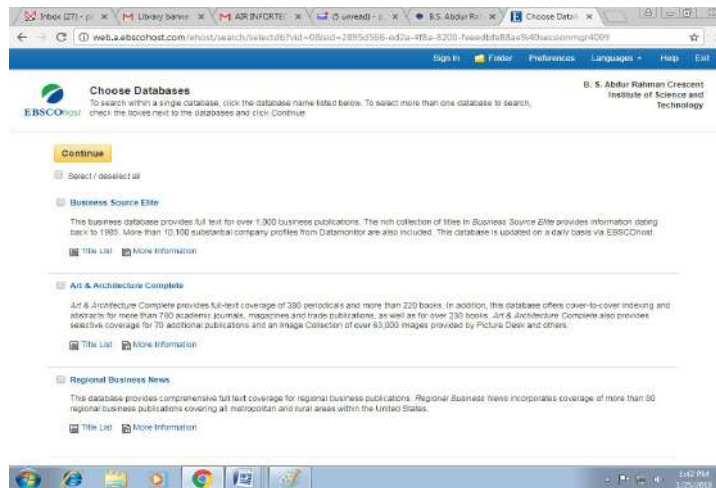
ASCE



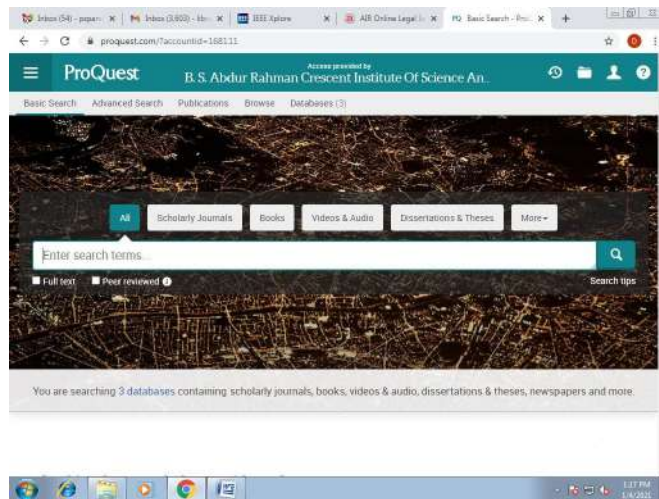
ASME



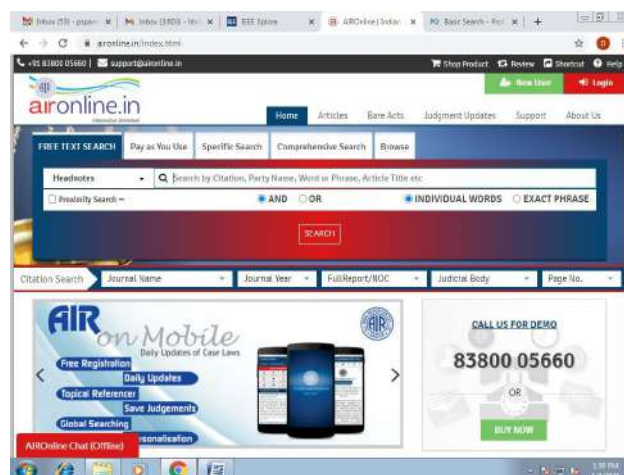
SPRINGER



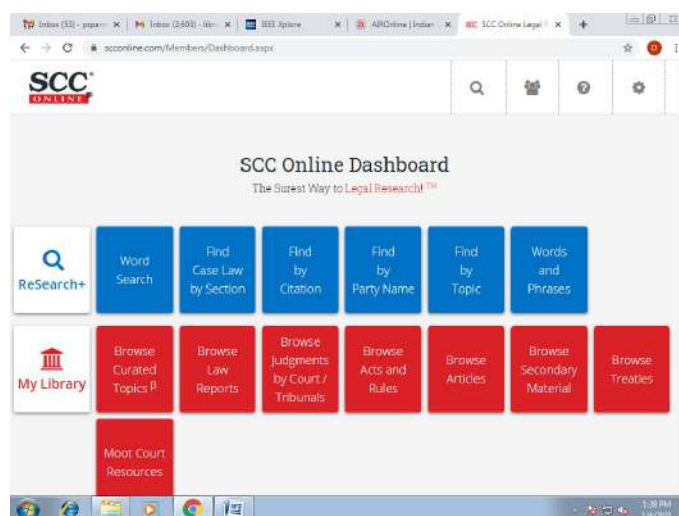
EBSCO Art & Architecture



Pro Quest Management



All India Report (LAW)



Supreme Court Cases (LAW)

(c) e-JOURNALS (Department Wise)

Department	e-Journals
CIVIL	141
ARCH	1086
AUTO	152
MECH	252
AERO	97
EEE	1570
ECE	2364
CSE	2255
IT	1614
PHARMACY	28
E&I	153

Department	e-Journals
POLYMER TECH	32
MCA	1478
MBA	4357
MATHS	179
PHYSICS	156
CHEMISTRY	204
LIFE SCIENCE	365
SOCIAL SCIENCE	336
LAW	93
GENERAL	143

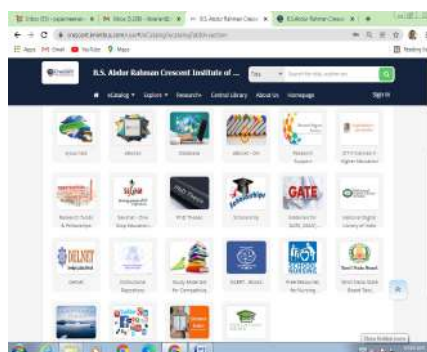
(d) Print Journals:

The Central Library subscribes 'Print Journals' for use of all the departments. In the current academic year, 278 journals and magazines are subscribed. The back volumes of the journals are collated and made available for reference.

Department	Print Journals
CIVIL	16
ARCH	27
AUTO	10
MECH	14
AERO	6
EEE	7
ECE	7
CSE	6
IT	7
PHARMACY	7
E&I	6
POLYMER TECH	7
MCA	6
MBA	45
MATHS	4
PHYSICS	4
CHEMISTRY	4
LIFE SCIENCE	6
SOCIAL SCIENCE	7
LAW	62
ISLAMIC STUDIES	3
GENERAL	17

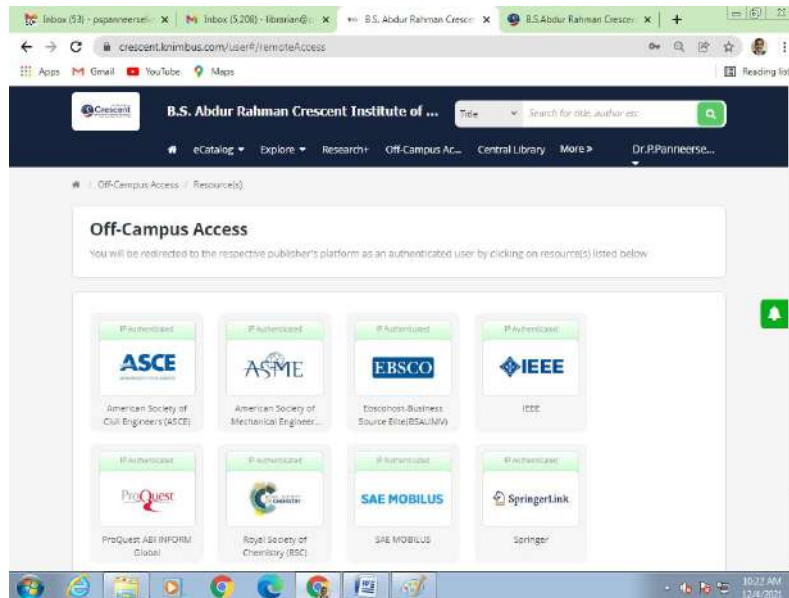
(e) Strengthening of e-Library:

The Central Library has added various academic and research support resources in the e-Library portal. Off-campus access has been made available; hence the staff, students and research scholars can access these contents from anywhere, anytime, through any device.



(f) Remote Access:

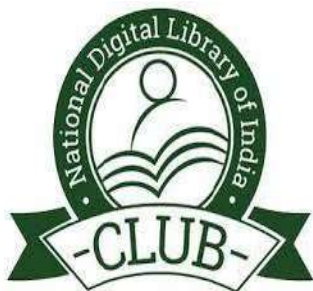
Knimbus helps provide users with remote access to Web-based licensed content offered by libraries. It is a middleware that authenticates library users against local authentication systems and provides remote access to licensed content based on the user's authorization.



(g) Mobile Application:

Library resources can be accessed through Knimbus mobile application. All the members of the Institution are eligible to access library resources. Through this Mobile app, the members can view and download full text of the subscribed and open access journals, view library catalogue and reserve the book, oversee their account, educational videos, etc.





The Central Library has formed the National Digital Library of India Club (NDLI Club) to promote reading habits in the campus. Over seven lakhs e-Resources are made available in the National Digital Library of India to support and facilitate academic and research activities. All the staff, students and research scholars are encouraged to utilize these free e-Resources

(h) Library Advisory Committee

The Central Library has the Library advisory committee to advice on funding needs necessary to efficiently provide service as required by the user community.

The committee intends on,

- Advising the general policies related to the quality/variety of collections, services, instruction programs, and infrastructure.
- Focussing new initiatives and assessment processes.
- Facilitating communication to obtain feedback from the user community on library collections, programs, services, infrastructure, and communication mechanisms

The Advisory Committee meeting was conducted online on 20.01.2021 by inviting members, research scholars and students. The relevant meeting link is,

<https://zoom.us/j/97166454549?pwd=UEtoUWZmR1pEUk1ZQUo2U3NzTit5dz09>

(i) Integration of BSA Group of Institutional Libraries

The Central Library of BSACIST has initiated efforts to integrate the BSA Crescent Group of Institutional Libraries to share the e-Resources for academic, research & development and extension activities. It was formally inaugurated by the Hon'ble Chancellor on 06.10.2021. Fair access and download policy has been framed and communicated to all the Heads and Library staff of Sister Institutions. A webinar was conducted on 06.10.2021 with all the Heads of Sister Institutions and demonstrated the e-Library and its contents for better understanding and access.

(j) Monthly Meeting

The Central Library conducts monthly meetings to review the progress and plan for future activities.

(k) Orientation Programs on e-Journals

The Central Library has organized orientation programs on its subscribed e-Journals. Orientation program on IEEE e-Journals was conducted on 20.06.2021. Awareness program on Knimbus online platform was conducted on 10.07.2021 and 06.10.2021. Online training on Supreme Court Cases e-journals was conducted on 06.08.2021. Webinar on ProQuest database was conducted on 22.11.2021. These technical sessions were conducted by the publishers. Faculties, research scholars and students participated in these orientation programs.

(l) Precaution taken for Covid 19



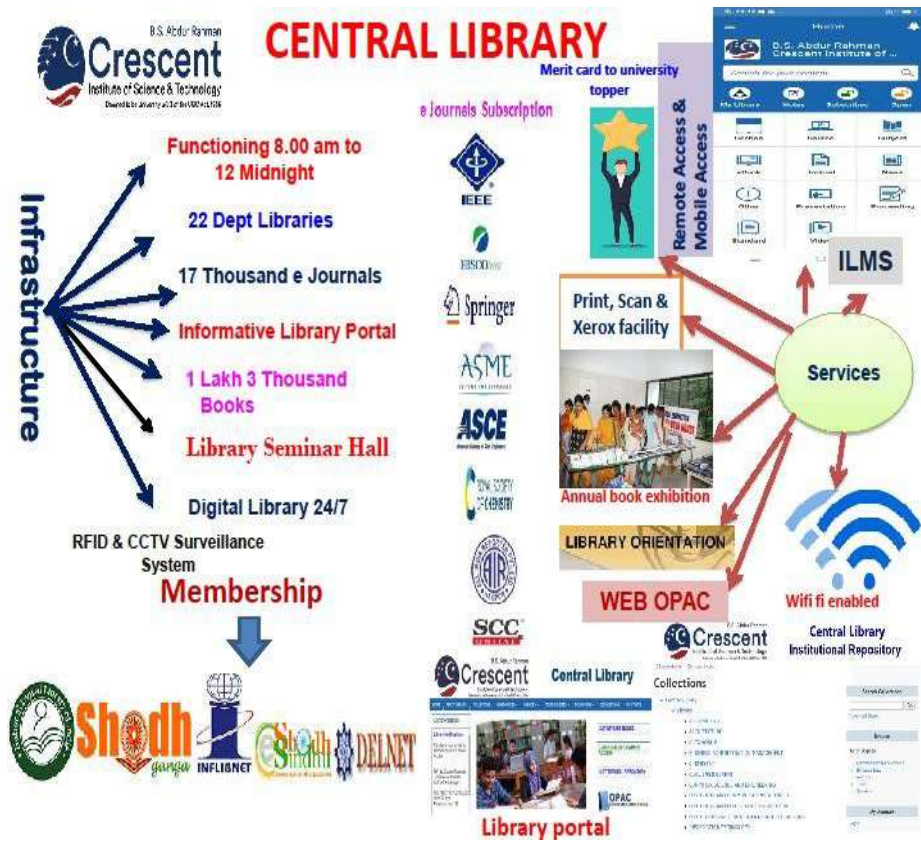
CENTRAL LIBRARY – FACT SHEET

- **Total Books Available**
 - Volumes : 103986**
 - Titles : 57052**
- **e-Journals : 17055**
- **National Journals (Print) : 180**
- **Magazines (Print) : 98**
- **Database : 9**
- **CD & Videos : 4000**
- **Institutional Membership : 6**

- **Journal Back-volumes** : 4000
- **Current Year Budget** : 100.10 Lakhs
- **Central / Department Library**
Seating Capacity : 850

Other Features of Central Library

- 1. Working 16 hours in a day (08.00 am to 12.00 Midnight)**
- 2. Fully Automated Library with RFID facilities.**
- 3. Digital Library functions 24/7.**
- 4. Subscribing IEEE, ASCE, ASME, EBSCO, SAE, SPRINGER, RSC e-Journals.**
- 5. Single point access for all e-Journals.**
- 6. Remote access facility to e-Resources.**
- 7. Facility to check plagiarism.**
- 8. Member in National Digital Library, Shodhganga and eShodhsindhu.**
- 9. Institutional member in DELNET, MALIBNET, SERC, American Consulate and British Council.**
- 10. Informative Library portal.**
- 11. Additional membership card for meritorious students.**
- 12. Working on Saturdays and Sundays.**
- 13. Conducts Orientation / Motivational Programs, on regular basis.**
- 14. Organizing Annual Book Exhibition, on regular basis.**
- 15. Book shop – inside the campus.**
- 16. Photocopy scanning and printout facility available.**
- 17. Well-connected with Dept Library, functioning in all the Schools / Departments.**
- 18. Current Awareness Service through group mail.**
- 19. Organizing LIS programs in regular interval.**



CENTRE FOR SUSTAINABLE DEVELOPMENT (CSD)

CENTRE FOR SPONSORED RESEARCH INDUSTRY AND CONSULTANCY (CSRIC)

Salient Activities and Achievements

Centre for Sustainable Development (CSD) has been created by B.S Abdur Rahman Institute of Science and Technology during the year 2020-2021 in order to promote sustainable projects, sustainable infrastructure, collaboration activities, renewable energy projects in our campus. Adequate research infrastructure facilities are available to conduct research in thrust areas of societal needs. Additionally, state of art facilities are being created with the help of funding agencies such as DST, DBT, CSIR, DRDO, MoIT, MoEF, DAE-BRNS etc. and also from the contribution by the Crescent management.

The Centre is mainly focusing on increasing the number of Sponsored Projects. CSD acted as a catalyst between departments with national and international organization. It identified experts working in different domains, department wise for possible collaboration. Some of the achievements of the Centre includes, increase in the amount of Seed money distribution to faculty members compared to the previous year; organizing different committees to increase the number of sponsored projects; Design of Ready Reckoner to help the faculties for applying Sponsored Projects in respective funding agencies; revival of Non - Sanctioned Projects, etc. A number of events organized by our Centre were beneficial to both faculties and students for promoting Research in our Institute.

1. Policy

Keeping sustainable development as the prime concern, the Centre has started many projects inside the campus which are sustainable in nature. The CSD promoted research on prime areas such as, conversion of industrial waste into useful products, tailoring ceramics and clay based materials to absorb the radioactive waste to make living environment more sustainable for human habitat etc. In addition, the CSD also plan to focus on creating a climate-responsive building and architecture where sustainability is unquestionable. CSD can go ahead in future to establish units of desalination and bioremediation of waste-water.

2. Seed Money Initiation

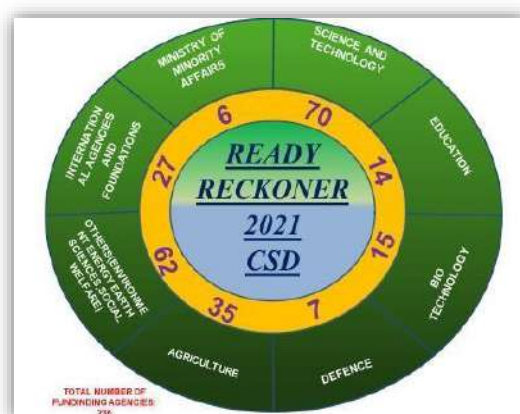
As a part of promoting Research, Seed money has been provided by B.S. Abdur Rahman Crescent Institute of Science and Technology for the Faculty / Research Scholar / Students to take up Research studies and experiments. Based on this, they can submit major project proposals to different funding agencies. The seed money is provided to researchers in the institution to augment the research and its outcome. Accordingly, the sum of Rs 5.1 Lakhs (AY 2019-20) and Rs 8 Lakhs (AY 2020-21) was distributed to promote projects. As a result of this, faculty have been doing high quality research and also publishing the results in high quality journals.

3. Revival of Non-Sanctioned Projects

CSD conducted a meeting with Principal Investigators of non - sanctioned projects for possible revival and resubmission to funding agencies in the near future. The Research Project Promotion Committee (RPPC) was formed to take of activities in this regard. . The RPPC Committee members were selected from each Department and the first meeting was held on 24.08.2021 in Research Seminar Hall. The consolidated project details related to i) Pending Projects; ii) Recently Sanctioned Projects; iii) Ongoing Projects; iv) Projects to be Resubmitted; v) Completed Projects; vi) Corporate Training Details; vii) Consultancy Projects were deliberated. The thrust is given to research, innovation, projects, etc. The New Education Policy - 2020 of Government of India is explained in the meeting. It is insisted that each faculty should have at least one sponsored project for the growth of the faculty members as well as for the growth of the Institution.

4. Ready Reckoner

A ready reckoner was prepared to help the faculty for applying sponsored projects in various funding agencies. The number of funding agencies identified is 236. This book will greatly help the faculty for easy identification of the relevant funding agency for preparation of project proposals. This Reckoner has the list of various funding agencies sorted under different categories such as Ministry of Minority Affairs, Science and Technology, Education, Bio-Technology, Defense, Agriculture, International agencies and foundation and others (Environment, Energy, Earth Science and Social welfare). This ready reckoner was circulated to all the faculties of our institute.



5. Best practices adopted and outcome of the same

a. Ongoing Projects in collaboration with Industry / Research Organizations:

Sl.No.	Name of the Industry / Research Organization	Details of the Project
1	Kankyo Cleantech (India) Pvt. Ltd.	Mira crab STP- 1m ³ Capacity advanced Japanese waste water technology
2		Vermi filter - 1m ³ capacity vermin operated STP
3		Biobox - Biogas 50 kg capacity containarised bio gas technology
4		Piro cracker - 25 kg capacity
5	CSIR-*Central Leather Research Institute (CLRI)	Supply, erection, installation, commissioning, operation and maintenance of co-digestion plant for organic fraction of leftover food waste, vegetable peels and fruit peels for biogas generation from hotel industry on turnkey basis –biogas plant

b. Incentive to Faculty

Based on the performance related to sponsored projects, consultancy, publication etc., the faculty members were provided with adequate research infrastructure, seed money grants etc. as a token of motivation and encouragement. A total of 119 faculty members have been identified as best performers in the academic year 2020-21

6. Ongoing / Completed Sponsored Projects / Programmes (2020-21)

Sl. No.	Details of the Project	Details of Investigators	Name of Funding Agency	Source (Government / Non-Government)	Duration	Amount (In Lakhs)
1	Startup India Fund Scheme	Mr. M. Parvez Alam, CEO, CIIC	Dept for promotion of Industry and Internal Trade, Ministry of Commerce and Industry	Government	2021-22	500.00
2	Nano Hospital infection Associated with pneumoniae pathogens	Dr. R. Karthikeyan, Associate Professor, School of Life Sciences	ICMR	Government	2021	14.49
3	Smart Textile with Antimicrobial and Water Repellent Properties for Coronavirus - International Project	Dr. D. Mubarak Ali, Assistant Professor, School of Life Sciences Dr. S. Hemalatha, Prof. & Dean, School of Life Sciences	Department of Materials Engineering, Kasetsart University, Thailand	Government	15.10.20	38.00

4	Yoga Module in Lung Inflammation and ALRI	Dr. S. Hemalatha, Prof. & Dean, School of Life Sciences Ms. Ranjani, School of Life Sciences	Department of Science and Technology (DST) - (SATHYM)	Government	12.10.20	15.00
5	Skill and Personality Development Program Centre for SC/ST students (SPDC)	Dr. N. Prakash, Associate Professor, Dept. of Information Technology Dr. R. Priyadarshini, Assistant Professor (Sel.Gr.), Dept. of Information Technology	All India Council of Technical Education (AICTE)	Government	2020-23	14.68
6	Modernization and upgradation of Structural Engineering Laboratory – Establishment of Non-Destructive Testing Facility for Concrete (MODROB)	Dr. Vasanthi Padmanabhan, Prof. & Dean, School of Infrastructure Dr. J. Revathy, Professor, School of Infrastructure	All India Council of Technical Education (AICTE)	Government	2020-22	10.00

7	Copper smelters and its impact on the health of downstream people, the economic livelihood of its employees, and waste management system. the case of Sterlite Copper in Tuticorin, Tamil Nadu	Dr. K. Mohamed, Dept. of Management Studies	All India Council of Technical Education (AICTE)	Government	2020-22	4.38
8	Be the change Teaching learning process - Short Term Training Program (STTP)	Dr. Nikhat Hamza, Director, HR & FTA Dr. C. Tharini, Professor & Head, Dept. of Electronics and Communication Engineering	All India Council of Technical Education (AICTE)	Government	2020	3.25
9	Disaster Mitigation : A shift from disaster management towards disaster preparedness - Short Term Training Program (STTP)	Dr. Vasanthi Padmanabhan Prof. & Dean, School of Infrastructure Dr. V.S. Priya, Associate Professor, School of Infrastructure	All India Council of Technical Education (AICTE)	Government	2020	3.00

10	Artificial Intelligence and Deep Learning Techniques - Short Term Training Program (STTP)	Dr. G. Kavitha, Associate Professor, Dept. of Information Technology Dr. P. Latchoumy, Associate Professor, Dept. of Information Technology	All India Council of Technical Education (AICTE)	Government	2020	3.00
11	Seismic Performance of Light - Research Promotion Scheme	Dr. J. Revathy, Professor, School of Infrastructure Dr. P Gajalakshmi Professor, School of Infrastructure	All India Council of Technical Education (AICTE)	Government	2020-23	2.00
12	Internet of Things (Everything) - Future Short Term Training Program (STTP)	Dr. S. Revathi, Professor, Dept. of Computer Science and Engineering Dr. Muthupriya, Assistant Professor (Sel. Gr), Dept. of Computer Application	All India Council of Technical Education (AICTE)	Government	2020	2.00

13	ATAL FDP on 3D Printing & Design	Dr. P.D. Jeyakumar, Associate Professor, Dept. of Mechanical Engineering Dr. Arokia Julius, Assistant Professor (Sr. Gr), Dept. of Mechanical	All India Council of Technical Education (AICTE)	Government	16.10.20	0.93
14	Bimetallic nano particles coated hybrid materials for effective photocatalytic degradation of hazardous dyes in effluent water	Dr. N. Vasimalai, Assistant Professor (Sel. Gr), Dept. of Chemistry M. Sandhiya Malathi, K. Joyce Dept. of Chemistry	Tamil Nadu State Council for Science and Technology (TNSCST)	Government	2020-21	0.075
15	Influence of Bacterial Species on the Durability Performance of Green Concrete for Sustainable Built Environment	Dr. J. Revathy, Professor, School of Infrastructure M. Abdul Rahman, School of Infrastructure	Tamil Nadu State Council for Science and Technology (TNSCST)	Government	2020-21	0.075
16	Application of Bio medical waste for the development of sustainable concrete	Dr. P. Gajalakshmi, Professor, School of Infrastructure K.N. Krishnaprasad School of Infrastructure	Tamil Nadu State Council for Science and Technology (TNSCST)	Government	2020-21	0.075

7. Details of Quality Improvement Programmes Organized

Sl. No.	Details of the Programme & Duration	Details of Collaborating Agency and Resource Person	Details of Participants			Outcome
			Students	Faculty	others	
1.	How to Write High Quality Technical Paper through Good Ethical Practices and Searching Techniques 17.04.2021 - Online	Dr. Dhanu kumar Patta Nashetti, Senior IEEE Client Services IEEE India Operations Center, Bengaluru Sri Perisamy Pradeep, Training Manager – South India Operations Center, EBSCO	60	5	-	Good Quality research Papers
2.	Research Software Tool – Honest publication 03-04-2021 - Online	Dr. Syed Mohamed, HOD, Dept. of CSE, BSACIST	60	5	-	Research Papers can be checked using the plagiarism software Tool, “Turnitin”

3.	CIIC 2 nd Foundation Day and Demo Day (TH-CODE APP demonstration) 27.03.2021 - Convention Centre, BSACIST	Dr. T. Harinarayana, Director, CSD	40	20	-	Different Places can be located with 1 meter accuracy using this app
4.	Research Ethics - Software Tools for Doing Research Publications in Peer Reviewed Journals	Dr. T. Harinarayana, Director, CSD	60	20	-	Software Tools used in Research Papers
5.	Seed Money Sanction order handing over to awardee 13-03-2021 - Vice Chancellor's Chamber - BSACIST	Dr. T. Harinarayana, Director, CSD	20	20	-	Seed Money given to the concerned faculties
6.	Interaction with TNPCB Officials 25-02-2021 - TNPCB Seminar Hall, Chennai	Dr. T. Harinarayana, Director, CSD	40	20	-	Monitoring of Air pollutants in our Institute campus
7.	Special Guest Lecture on Promotion of Research, Funded Projects, Patents and Consultancy 23-12-2020 - BSACIST	Dr. T. Harinarayana, Director, CSD	30	20	-	Promotion of Sponsored Projects

8.	Inauguration of Biogas Plant 3-12-2020 - BSACIST	Dr. T. Harinarayana, Director, CSD	40	25	-	Production of Bio gas using kitchen wastes
9.	Inauguration of Continuous Ambient Air Quality Monitoring Station (CAAQMS) 28-10-2020 - BSACIST jointly organized and implemented by Government of Tamil Nadu, Tamil Nadu Pollution Control Board (TNPCB)	Dr. T. Harinarayana, Director, CSD	35	20	-	Monitoring of Air pollutants in our Institute campus
10.	Incinerator (Waste Treatment Technology) Commissioned 29-09-2020 - BSACIST	Dr. T. Harinarayana, Director, CSD	35	20	-	Waste water Treatment Plant Installed in our Institute
11.	How to transform from traditional teaching mode to effective online teaching with available e-resources: Preparedness 07.07.2020 - Online	Sri. A. Satish, IRSE, Dy. Chief Engineer/Designs, Guwahati, North Frontier Railway, Government of India	40	20	-	Effective Online teaching

8. Details of Research Publications:

Sl. No.	Title of the Research Paper	Name of the author	Name of the Journal	Vol. No.	Issue No.	Page No(s).	Month & year of publication	SNIP Furnished by Scopus
1	Experimental testing of low power consumption and cost-effective converter for the de-icing system in Aircraft, Wind Turbine and solar panel with the help of Induction heating	Dr.T. Harinarayana, Director, CSD BSACIST	International Journal of Vehicle Structures and Systems (IJVSS)	13	2	238 – 242	07.06.2021	0.677
2	Crystal structure of the Gulf of Kachchh, Northwest, India	Dr.T. Harinarayana, Director, CSD BSACIST	Indian Academy of Sciences	----	-----	----	07.07. 2021	1.830

9. Writing Chapters in a book

Sl. No.	Chapter title	Book title	Editor / Co-author(s) name	International / National / Local Publisher	ISBN / ISSN Number of the book	Month & Year of Publication of first edition
1	Suitability of Fibre Reinforced Polymer Confined Concrete In- Filled Steel Tube Columns in Vulnerable Zones of Instability: A Case of Bhuj Earthquake Epicentral Zone, Gujarat, India	--	Ms. S. Kareemunnisa Begum, Dr. P. Gajalakshmi, Dr. J. Revathy, Dr. T. Harinarayana	International, Book Publisher International	978-93-90431-12-0 (Print) 978-93-90431-20- 5 (e-book)	October, 2020
2	Study on Deep Geoelectric Structure and its relation to Seismotectonics and Economic Development of Saurashtra Region, Western India	---	Mr. D. N. Murthy, Mr. K. Veeraswamy, Ms. K. Kanmani Dr. T. Harinarayana	International, Book Publisher International	978-93-90431-28-1(Print) 978-93-90431-36-6 (e-book)	October, 2020

10. Patents Filed / Published

Sl. No.	Title	Inventor	Indian / Foreign Patent	Date of Filing	Date of Publication
1	Location based coding system implemented on a GPS Navigation (App No:201941041489)	Prof. T. Harinarayana	Indian Patent	14.10.2019	16.04.2021

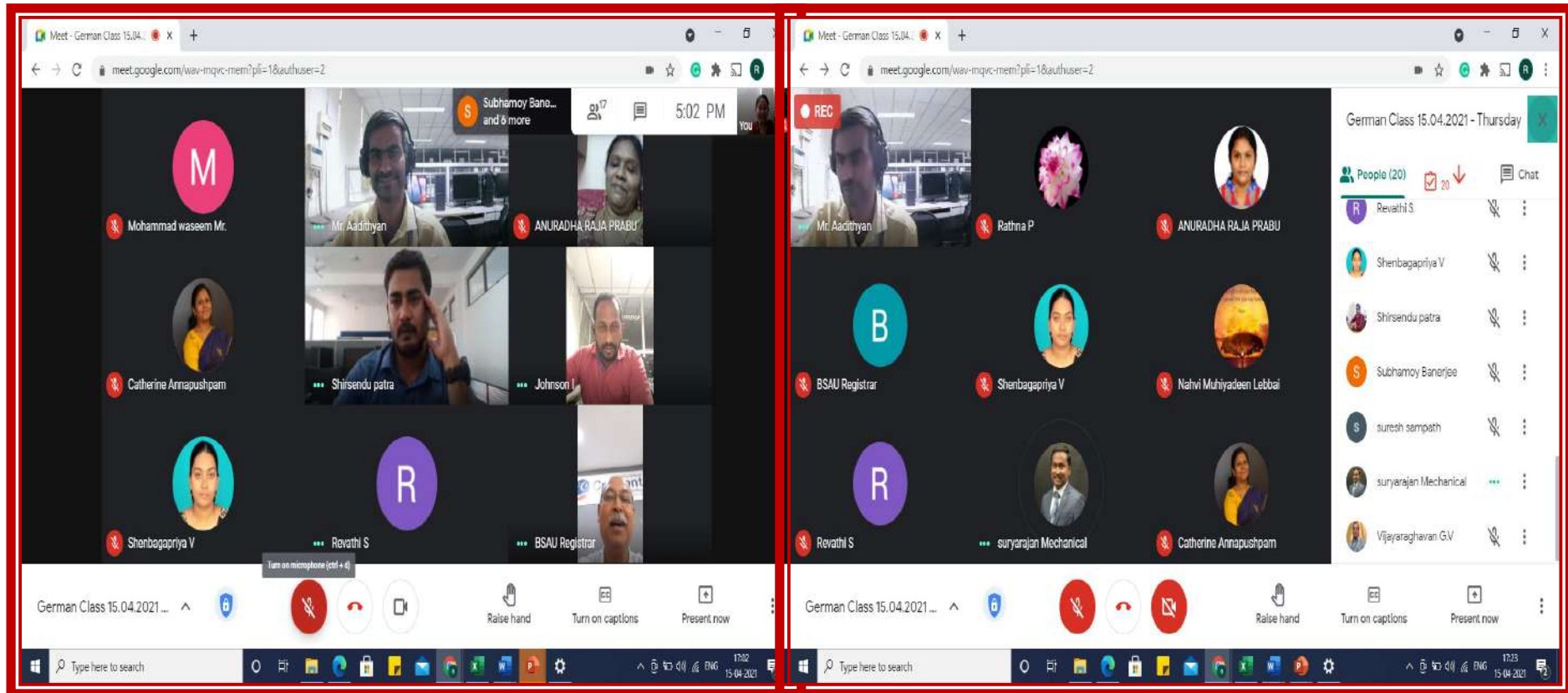
CENTRE FOR INTERNATIONAL RELATIONS

❖ Details of Quality Improvement Programmes conducted / organized during July 2020 - June 2021

Sl. No	Details of the programme	Duration Days / Hrs.	Details of Collaborating Agency & Resource Person	Details of Participants			Outcome
				Students	Faculty	Others	
1.	German Language Learning Class	40 hrs	BSACIST <ul style="list-style-type: none"> • Mr. Kathiresan • Mr. Johnson • Mr. Adithyan (Faculty of SSSH, BSACIST) 	-	20	-	20 faculty members learned German language.
2.	Virtual International Conference on Basic and Translational Cancer Research: Novel Ideas and Approaches.	25 – 27 June, 2020	University of Virginia	-	-	277 (from India and Abroad)	School of Life Sciences Jointly organized the Virtual International Conference in Collaboration with University of Virginia
3.	Virtual International Cross Cultural Day 2020: My culture is my life	21 – 22 September , 2020	Universitas Negeri Yogyakarta, Indonesia	-	-	25	<ul style="list-style-type: none"> • BSACIST jointly organized the Virtual International Conference in Collaboration with Universitas Negeri Yogyakarta • Dr. Ayub Khan Dawood, Dean, SSSH conducted 3 credit course on Cost Accounting for students of Universitas Negeri Yogyakarta

4.	Virtual “International conference on Research Outlook, Innovations and Research Trends (ICROIRT-2020)”	29 – 30 August, 2020	18 organizations / Institutions from different countries including India, Indonesia, Italy, Malaysia, Ukraine, Uzbekistan, Romania, Russian Federation and Philippines including BSACIST	-	6	-	<ul style="list-style-type: none"> • 6 faculty members of BSACIST were acted as Southern regional coordinators. • Visibility, Branding, Networking and Collaboration with Foreign Institutions.
5.	International Guest Lecture Series	September 2020	Universitas Atma Jaya Yogyakarta, Indonesia	-	5	More than 100 Students of Universitas Atma Jaya Yogyakarta	<ul style="list-style-type: none"> • 5 faculty members of BSACIST delivered virtual guest lectures to the students of Atma Jaya Yogyakarta. • Visibility, Branding, Networking and Collaboration.

SNAPSHOTS OF VARIOUS PROGRAMMES:



GERMAN LANGUAGE LEARNING CLASS - SCREENSHOT



Virtual International Conference on Basic and Translational Cancer Research Novel Ideas and Approaches

June 25 – 27, 2020









B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India
 School of Life Sciences
 &
 Association of Cancer Education and Research (ACER)
 In association with
 W. M. Keck Center for Cellular Imaging, University of Virginia, USA
 &
 TamilNadu State Council for Science & Technology (TNSCST)

Contact us icbctr2020@crescent.education +918248145481; +917418362096

Registration Fee*

U.G. & P.G. Students Rs.100/-
 Research Scholars Rs.200/-
 Faculties/Scientists/Others Rs.500/-
*(*Attractive Group discount of 5 members or more from the same institute and same levels of participants. * Please contact us for availing the group discounts.)*

Dates to remember

Abstract submission deadline 18-06-2020
 Registration closes on 24-06-2020
 Video submission deadline 24-06-2020

Account Details

Acc. Name : Dean, School of Life Sciences
 Acc. No. : 165701000019853
 IFSC code : IOBA0001657
 Bank : Indian Overseas Bank (IOB)
 Branch : Vandalur, Chennai

Scan QR code or follow the link to register



<https://forms.gle/EFPAC2LU3YN8K2C66>

Scan QR code or follow the link to submit abstract



<https://forms.gle/3d8Mq2a5V5SS6JMc6>

Salient Features of the Conference

- Meet visionaries, get inspired and expand your knowledge
- Highly organized and structured scientific programs
- Pre-recorded videos to watch at your preferable time
- Participate from your living room
- E-poster presentation (In video format)
- E-certificates will be provided
- 10 Best Presentation awards for UG
- 10 Best presentation awards for PG
- 10 Young Innovative Research Award for Research Scholars
- 5 Young Scientist Award for Faculties and Post-Docs
- 5 Outstanding Cancer Research Awards

Keynote Speakers

1. Dr. Ammasi Periasamy, WM Keck Center for Molecular Imaging, University of Virginia, USA
2. Dr. Raji Sundararajan, Purdue University, USA
3. Dr. Anandhi Upendran, University of Missouri, USA
4. Dr. Govind Srimathveeravalli, University of Massachusetts, USA
5. Dr. Ashish Kulkarni, University of Massachusetts, USA
6. Dr. Raghuraman Kannan, University of Missouri, USA
7. Dr. A. Suresh Kumar, CSIR-CLRI, Adyar, Chennai
8. Dr. K. Anbarasu, CSIR-CFTRI, Mysuru
9. Dr. Mohammad Nasiruddin, Anand Diagnostic Laboratory, Bangalore

Theme of the conference

- Cancer Pathology
- Novel Therapeutics
- Cancer Diagnosis
- Immunotherapy
- Nanotherapeutics
- Cancer Stem Cells
- Drug Resistance

How to Register

- Transfer the money to the A/c no.
- Copy the transaction no. and take a screenshot of you payment
- Follow the registration link or Scan QR code to register
- Provide your Name and basic details
- Send the proof of your payment to the email icbctr2020@crescent.education. (In the email subject please mention, "Registration proof")

Abstract & e-Poster Submission

- Please use the same name and email address for Conference Registration and Abstract Submission.
- Abstract should be related to cancer only
- Abstract should not exceed 250 words excluding title and authors details
- Use the link separately provided for abstract submission. (Filing the form is essential to have your abstract being considered.)
- If you need to submit more than one abstract, use new form for each additional abstract.
- Make a 3-5 minutes video and send to us through email icbctr2020@crescent.education [If you not able to make the video, send us your ppt (only one slide with all the contents along with voice recording (mention your name in both the files)).]
- All the uploaded abstract will be reviewed by the review committee.
- Upon the reviewer's decision, the selected abstract will be called for full paper and peer reviewed to publish in the ACER Newsletter

Who can Participate?

Faculties, Scientists, Research Scholars, Undergraduate and Post-Graduate Students from Universities, Research Institutes, Colleges, Hospitals, etc.

About Conference

ICBCTR 2020 is an interdisciplinary event that invites participants from different universities, research institutes, industries and diagnostic companies to share their research experience and exchange ideas on various aspects of cancer research, diagnosis, drug development, treatment and care and provides an opportunity to communicate with leading scientists, researchers, academicians and students from all over the world.

About B.S. Abdur Rahman Crescent Institute of Science and Technology, India

B.S. Abdur Rahman Crescent Institute of Science and Technology is accredited with "A" grade by NAAC, ranked 3rd among the Engineering Institutions in Tamilnadu in teaching, learning and resources by NIRF, MHRD. It has track record of 36 years of Excellence in offering Engineering, Science and Management programmes. Being one of the leading engineering institutions in India, it lays emphasis on innovative research, investment and first-rate infrastructure.



About the School of Life Sciences

School of Life Sciences is THE BEST POTENTIAL SCHOOL in BSACIST, excelling in teaching, research and training programmes across the interdisciplinary areas of life sciences by nurturing student's bioenterpreneurship. The school offers Undergraduate, Postgraduate and Doctoral programmes in Life Sciences.

For more information please visit www.crescent.education.

About ACER

Association of Cancer Education and Research (ACER) started with the aim to control the cancer among the community through education and research. By disseminating cancer awareness through seminars, workshops and conferences. ACER also aims to encourage cancer based research among the students and research scholars.

Organizing Committee Members

Patrons
 Prof. A. Peer Mohamed, Pro VC and VC i/c, BSACIST, India
 Prof. A. Azad, Registrar, BSACIST, India

Organizing Secretary
 Dr. S. Hemalatha, Professor and Dean, School of Life Sciences (SLS), BSACIST, India
 Dr. Ammasi Periasamy, Director and founder, W M Keck Center for Molecular Imaging, University of Virginia, USA

Coordinators
 Dr. P. Ashok Kumar (Assoc. Prof)
 Dr. Soumen Bera (Asst. Prof)
 Dr. Neesar Ahmed (Asst. Prof)

Organizing Committee Members

Associate Professors	Dr. Subhamoy Banerjee	Scientific Assistants
Dr. Karthikeyan Ramalingam	Dr. P. Vimal Kumar	Ms. S. Ranjani
Dr. Khurshid Alam Khan	Dr. Sheeza Khan	Dr. I. Faridha Begum
Assistant Professors	Dr. D. MubarakAli	Dr. C. Simon Durairaj
Dr. Shazia Jamal	Dr. M. Waseem	Mr. M. Abrar Basha
Dr. M. Wasima		

VIRTUAL INTERNATIONAL CONFERENCE ON 'BASIC AND TRANSLATIONAL CANCER RESEARCH: NOVEL IDEAS AND APPROACHES' - BROCHURE



VIRTUAL INTERNATIONAL CROSS-CULTURAL DAY 2020 – CERTIFCATE OF PARTICIPATION



VIRTUAL INTERNATIONAL CROSS-CULTURAL DAY 2020 - SCREENSHOT



VIRTUAL INTERNATIONAL CROSS-CULTURAL DAY 2020 – CERTIFICATE OF APPRECIATION



VIRTUAL INTERNATIONAL CROSS-CULTURAL DAY 2020 – CERTIFICATE OF APPRECIATION

About the Conference

The collaboration of International and National University/Institute/Department are going to organize a virtual international conference on the topic of "International Conference on Research Outlook, Innovations and Research Trends (ICROIRT 2020)" which will give exposure to learn about different research theory and applications in the broad area ICROIRT 2020 is a multidisciplinary conference organized to bring together scientists, researchers, academicians, research scholars, and students. The conference will provide a platform to explore different research perspectives from international and National forums. The scope of the conference covers wide areas of all disciplines.

Specifics for ICROIRT 2020 are

- To provide a platform to the academic scientists and researchers to exchange and share their experience through presentation and publication on all aspects which helps to enhance the boundary of their selves.
- To provide opportunities for discussion and information sharing platform for researchers from various worldwide organizations.
- To provide the flavor of keynote lectures by eminent speakers from a different research background.
- Worldwide strong networking.

Features of the Conference:

- Conference proceedings will be published in a special issue in the International Peer-reviewed Journal (IJASRI) with ISSN.
- E-Book with ISBN.
- International Certificate of Participation and Publication.
- International Conference ICROIRT-2020 organized by IJASRI International and National University/Institute/Department.

International Conference on Research Outlook, Innovations and Research Trends (ICROIRT-2020)

August 29th 30th 2020

ICROIRT-2020

Organisers

- [1] Giuseppe Di Vittorio Foundation, Research Unit - Regional Economics, Rome Italy.
- [2] Universiti Kebangsaan Malaysia, Malaysia.
- [3] JSPM's Bhamburda Institute of Technology & Research, Department of Electrical Engineering, Pune, India.
- [4] Association of Chemistry Teachers (ACT), Kawayiri Bahinabai Chaudhari North Maharashtra University, Jalgaon, India.
- [5] Anvird Goyal College of Engineering, Satara, India.
- [6] Lviv Polytechnic National University, Institute of Economics and Management, Department of Management and International Business, Lviv, Ukraine.
- [7] Tashkent State University of Economics, Uzbekistan.
- [8] Financial and Economic College, Russian Federation.
- [9] Department of Commerce, University of Madras, Chennai, India.
- [10] Vasile Goldis, Western University of Arad, Romania.
- [11] CT Institute of Management and Information Technology, Jalandhar, India.
- [12] Sany National Agrarian University, Sumy, Ukraine.
- [13] SVKM's Shree Bhagubhai Muthal Polytechnic, Mumbai, India.
- [14] Southern Isabela College of Arts and Trades, Santiago City, Philippines.
- [15] Academy of Public Administration under the President of the Republic of Uzbekistan (APA), Economy and Finance Department, Uzbekistan.
- [16] School of Social Sciences and Humanities, B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India.
- [17] College of Teacher Education Negros Oriental State University, Main Campus Durrugate City Philippines.
- [18] International Journal of Advance Study and Research Work (ISSN: 2281-6997).

Conference Venue:

Virtual Platform
Link will be Shared with Registered Participants

For Registration
www.jasri.ac.in/conferences.html

Last Date for Registration: 27th August 2020

Last Date for Paper Submission: 18th August 2020

Information to Author regarding Initial Acceptance: 3 days after submission.

For Assistance Contact: +91-8291116022 / +91-9975678470 | Email: IJASRI Editor@jasriw.com / editor@jasriw@gmail.com

Southern Regional Coordinators (India)
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University of Madras
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School of Social Sciences and Humanities
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Prof and Dean, School of Social Sciences and Humanities
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Dept of Commerce, University of Madras

Dr. S. Resool Mohideen
Prof. & Dean, School of Mechanical Sciences
BSA Crescent Institute of Science and Technology

Dr. Vasanthi Padmanabhan
Prof. & Dean, School of Infrastructure
BSA Crescent Institute of Science and Technology

Dr. S. Hema Latha
Prof. & Dean, School of Life Sciences
BSA Crescent Institute of Science and Technology

Dr. Venkatesan Selvam
Dean, School of Computer Information and Mathematical Sciences
BSA Crescent Institute of Science and Technology

Dr. S. Raja Mohideen
Senior Professor
Electronics and Communication Engineering
BSA Crescent Institute of Science and Technology

INTERNATIONAL CONFERENCE ON RESEARCH OUTLOOK, INNOVATIONS AND RECENT TRENDS (ICROIRT) - BROCHURE



VIRTUAL LECTURE SERIES – CERTIFICATE PRESENTED TO THE SPEAKER



UNIVERSITAS ATMA JAYA YOGYAKARTA
Kantor Kerja Sama dan Promosi

Yogyakarta, September 14th, 2021

Dear Dr. W. Aiysha Banu
Prof of Computer Science and Engineering
B.S. A. Crescent Institute of Science & Technology, (Deemed to be University)

Warm greetings from Universitas Atma Jaya Yogyakarta (UAJY).
We hoped you in good health and happy.

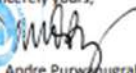
With great pleasure we are pleased to invite you to give a lecture at Universitas Atma Jaya Yogyakarta in UAJY Virtual Lectures Series 2021 Program.

Herewith the information of class:

Day, Date : **Monday, September 20, 2021**
Time : **01:00 - 03:00 PM (GMT +7)**
Topic : **Imbibing Humanities in Artificially Intelligent Systems**

We will send the publication material to you after being prepared and ready to publish, and please do not hesitate to contact Ms Lenny (E. lenny.halim@uajy.ac.id, WA. +62 813-6340-4058) or Mrs Rini (E. kkp@uajy.ac.id, WA. +62-8122 742 844) if you need further information regarding the event.

We are looking forward to welcome you in online class.
Thank you in advance.

Sincerely yours,

H. Andre Purwawigraha, SE, MBA, CMA
Head of Partnership and Promotion Office
KANTOR KEMAHAMBAHAN DAN PROMOSI

VIRTUAL LECTURE SERIES – INVITATION

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

- **Department of Computer Science and Engineering**
- **Department of Information Technology**
- **Department of Computer Applications**
- **Department of Mathematics and Actuarial Science**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

❖ New Programmes Started

Sl.No	Name of Programme	Month & Year of Introduction	Detail of approval
1.	B.Tech. (Artificial Intelligence and Data Science) B.Tech. CSE (Internet of Things) B.Tech. CSE (Cyber Security)	July, 2020	16 th Meeting of Board of Studies of CSE & 15 th Meeting of Academic Council
2.	Minor degree programme in <ul style="list-style-type: none"> • Data Science • Augmented Reality and Virtual Reality • Artificial Intelligence and Machine Learning • Block Chain 	July, 2020	
3.	M.Tech. (Artificial Intelligence and Data Science) M.Tech. (Data Science)	July, 2021	17 th Meeting of Board of Studies of CSE & 17 th Meeting of Academic Council

❖ Value Added Programmes Conducted

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	AI Analyst – IBM Skills Academy Certification	April 2021 to July 2021	45	IBM Career Education	50	-	-

2.	IIT Bombay Spoken Tutorial Courses	June - December, 2020	4 Months	IIT, Bombay	602	4	-
3.	IIT Bombay Spoken Tutorial Courses	January - May, 2021	4 Months	IIT, Bombay	404	4	-

❖ **Training Programmes Offered**

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Online Faculty training program on IBM Cloud Computing	10.08.2020 to 25.08.2020	32 hrs	IBM Career Education	-	15	-

❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Webinar on “Current Trends and Future of Data Science & Artificial Intelligence in Decision Making”	Seminar	03 June, 2021	Nil	Mr. Balakumaran, Muralidharan, Architect, Wipro technologies	-	53	-	-

2.	IBM DEVELOPER DAY under the theme of “Data Science & Artificial Intelligence”	Seminar	29 April, 2021	Nil	Mr. Amol B Mahamuni, Program Director, Data Science and AI practice at IBM GTS Analytics Lab, Mr. Yuktesh Chintamadaka, Developer Advocate, IBM	-	56	-	-
3.	Online Quiz Competition “Test Your Knowledge on Intellectual Property Rights (IPR)”	Quiz	26 April, 2021	Nil	-	47	-	-	-
4.	Virtual Power Seminar on “Machine Learning and its Techniques”	Seminar	09 April, 2021	Nil	Mr. Joel A J – Sr. Software Engineer of RR Donnelley Global BPO	-	53	-	-
5.	Webinar on Blockchain Technology	Seminar	13 March, 2021	Nil	S. Gopinath, Sr Technical Director / Scientist F in National Informatics centre, Chennai.	-	44	-	-
6.	Webinar on “Opportunities to Study Abroad”	Seminar	12 March, 2021	Nil	Mr. Bhaskar, Director – IBS Training and Education, Manya-The Princeton Review, Chennai.	-	37	-	-

7.	Webinar on “Applied Data Science in Action”	Seminar	01 March, 2021	Nil	Mr. Bikramaditya Singhal	-	52	-	-
8.	A Guest lecture on “let’s transcend to new horizons”	Seminar	17 February, 2021	Nil	Dr. Sulthan Halifa Haroon Al Rashid, Research Fellow, MIT University, Australia, and Co-Founder of BigEnPass Pvt Ltd	16	-	-	-
9.	Webinar on “The Entrepreneur’s Guide to Getting Started”	Seminar	03 December, 2020	Nil	Mr. Imthyaz Sheriff, Director, Ideassion Technology Solutions	-	35	-	-
10.	Webinar on virtual Reality/Augmented Reality	Seminar	18 November, 2020	Nil	Dr. K. Martin Sagayam, Karunya Institute of Technology and Sciences	-	37	-	-
11.	Webinar on “Scientific Writing”	Seminar	07 October, 2020	Nil	Dr. S.T. Deepa, Associate Professor & Research Director, Department of Computer Science, Shri Shankar Lal Sundarbai Shasun Jain College for Women	27	-	-	-
12.	Webinar on “Changes, Challenges & Opportunities for Students through GATE 2021”	Seminar	09 September, 2020	Nil	Mr. Murali.K, Head-Academics, T.I.M.E., Chennai	-	28	-	-

13.	ATAL-AICTE Sponsored FDP titled "DATA SCIENCE"	STTP	21 - 25-September, 2020	AICTE	Dr. Sitabhra Sinha, Dr. Sudhir Narayan Pathak, Dr. J. Alex Noel, Dr. Xavier Chelladurai, Dr. Golda Dilip, Dr. V. Vijayarajan, Mr. Venkatesan Prabu .J, Ms. Rama Chandrasekhar, Lara Abiesheikh.	30	-	207	-
14.	Webinar on "Career Opportunities in Linux and Open Source Software"	Seminar	25 August, 2020	Nil	Mr. N. Kathirvel, RHCI, Red Hat Trainer, Advantage Pro,	-	47	-	-
15.	AICTE Sponsored STTP titled "Internet of Things (Everything) - Future"	STTP	24 - 29 August, 2020	AICTE	Mr. Amirtha Swamy, Dr. Muneerswaran, Dr. Malleswaran, Dr. Pushpalatha, Dr. Maheswari, Dr. Sabura Banu, Mr. Revanth Kumar, Mr. Rohith JK, Mr. Vijay Anand, Mrs. Azka, Mr. Manikandan, Mr. Khuzehma Siam Wala	25	-	218	-

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities (for membership fees / organizing events) etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	INTELLECT 2k20 (Online International COVID-19 awareness events)	May – June 2020	Rs 18,250/-	Conducted 7 various event for school & college students

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Financial support received from the institution (Rs)
1.	All faculty members of the CSE Department	Training Program on “Crescent LMS” for faculty members.	Training Program	04.08.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai	-

2.	Mrs. S.P. Valli Mrs. C. Vijayalakshmi Mrs. R. Akila, Mrs. Madina Banu, Mrs. C. Hema, Mrs. Brindha Merin, Mrs. Radhika, Dr. A. Ramachandran	Eight Day online FDP on “Android app using Kotlin”	FDP	10.08.2020 to 17.08.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai	-
3.	Mrs. C. Vijayalakshmi Mrs. R. Akila, Mrs. Madina Banu, Mrs. C. Hema, Mrs. Brindha Merin, Mrs. Subhashini, Mrs. Radhika Dr. A. Ramachandran	Ten day online FDP on “Cloud Computing”	FDP	12.08.2020 to 25.08.2020	IBM Skills Academy joined organized Department of computer science & Engineering, BSACIST, Chennai	-
4.	Dr. A. Ramachandran, Mrs. R. Akila, Mrs. Madina Banu, Mrs. C. Hema, Mrs. Brindha Merin, Dr. Arun Raj	AICTE Sponsored Six Days Online Short Term Training Programme on “Internet of Things (Everything) – Future”	STTP	07.09. 2020 to 12.09. 2020	B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai.	-
5.	Mrs. C. Vijayalakshmi Dr. A. Ramachandran, Mrs. R. Akila, Mrs. Madina Banu, Mrs. C. Hema, Mrs. Brindha Merin, Mrs. Radhika	AICTE Training And Learning (ATAL) Academy Online FDP on "Data Science",	FDP	21.09. 2020 to 25.09. 2020	Department of Computer Science & Engineering, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai	-

6.	Mrs C.Vijayalakshmi	AICTE Sponsored Six Days Short Term Training Programme on “Cognitive Inspired Computing for Machine Intelligence”	STTP	24.09. 2020 to 29.09. 2020	Hindustan Institute of Technology and Science	-
7.	Dr A.Ramachandran	AICTE sponsored Short Term Training Programme on “Explainable Artificial Intelligence and Machine Learning for Solving Learning Problems using Python and Tensorflow”	STTP	26.10. 2020 to 31.10. 2020	Sreenivasa Institute of Technology and Management Studies, Chittoor.	-
8.	Dr A.Ramachandran	AICTE sponsored Short Term Training Programme on “The Next Green Revolution of Data Science in Transforming Agriculture Instudry”	STTP	10.12. 2020 to 15.12. 2020	Mother Theresa Institute of Engineering and Technology	-
9.	Mrs C.Vijayalakshmi	Six day online STTP on “AI in Healthcare”	STTP	14.12.2020 to 20.12.2020	SSN College of Engineering	-
10.	Mrs C.Vijayalakshmi	Artificial Intelligence and its impact on Industry 4.0	FDP	26.04. 2021 to 30.04. 2021	B.S.Abdur Rahman Crescent Institute of Science and	-

					Technology, Chennai.	
11.	Mrs C.Vijayalakshmi	Webinar on Debunking COVID myths	Webinar	29.05. 2021	SRM Institute of Science and Technology	-
12.	Dr.Dhanalakshmi	Online one week AICTE Recognized Faculty Development Programme on “Big Data Analytics”	FDP	19.07.2021 to 23.07.2021	NITTTR, Chandigarh.	-
13.	Dr.Dhanalakshmi	Online one week AICTE Recognized Faculty Development Programme on “Embedded Systems-An Application Driven Approach	FDP	25.08.2021 to 27.08.2021	NITTTR, Chandigarh	-
14.	Dr.Dhanalakshmi	ISTE approved Online/SF-STTP/FDP Programme on “IoT and its Applications with Machine Learning”	FDP	09.08.2021 to 22. 08.2021	SRM Institute of Science and Technology,	-

❖ **Papers Published/ Presented In Journals & Conferences (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
1	-	12	-	-	-	17	-	29

❖ **Details of Publication in National & International Journals & Conferences:**

A. International Journal & National Journal

a) SCI/Scopus Indexed Journal : 17

1. Syed Javeed Pasha; E. Syed Mohamed, "Novel Feature Reduction (NFR) Model With Machine Learning and Data Mining Algorithms for Effective Disease Risk Prediction", *IEEE Access*, Vol.8, PP.184087 – 184108, 2020, IF: 0.78, DOI: 10.1109/ACCESS.2020.3028714.
2. S.P. Valli and Sharmila Sankar, "An Analysis on the Impact of Mobility and Sustainability of TCP Performance in Mobile Adhoc Networks", *Journal of Green Computing*, Vol.10, No.9,2020, IF: 0.19.
3. Ramachandran, "Enhanced routing for secured ad-hoc network", *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 19, No. 2, PP. 949-956, 2020, IF:0.21.
4. Mythily R., Aisha Banu W., Dinesh Mavaluru, "An efficient feature selection algorithm for health care data analysis", *Bulletin of Electrical Engineering and Informatics*, Vol.9, No.3, pp. 877-885, 2020, IF:0.23.
5. Vijayalakshmi C, Pakkir Mohideen S, Jayasudha M, Nivedita M, "Block Chain Research and its Implementation Analysis", *Journal of Seybold Report*, Vol. 15 No. 9 pp.1746-1756, 2020, IF: 0.1.
6. U Kumaran, A Ramachandran, J Jegan, E.K. Subramanian, "Enhanced routing for secured ad-hoc network", *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 19, No. 2, pp.949-956, 2020, IF:0.21.
7. Ramachandran. A, E. K. Subramanian, U. Kumaran, J. Jegan, "A Medical Image Encryption Scheme Using Chaotic Random Sequence", *International Journal of Advanced Science and Technology*, Vol. 29, No. 7s, pp. 4856 – 4864, 2020, IF:0.11.
8. Shakkeera L, Pandimurugan V, Sharmasth Vali Y, Vijayalakshmi. C and Jaya Sudha M, "A Classification Fusion System For Detecting Malicious Android Application In Smartphones", *International Journal of Advanced Research in Engineering and Technology (IJARET)*, Vol.11, No. 11, pp.1678-1693.

9. Vijayalakshmi C, Jishnu Govindarajan, Mohammed Shafeeq, Pakkir Mohideen S, “Risk Prediction of Liver Diseases for Hepatitis-B patients based on K –Nearest Neighbor Algorithm”, *Journal of Seybold Report*, Issn No: 1533-9211 Vol. 25, No. 10, pp: 426-429, 2020, IF:0.1.
10. Vijayalakshmi C, Pakkir Mohideen S, “Sustainable Development of Teaching through Assessment of Descriptive Questions in E-Learning System”, *Journal of Green Engineering (JGE)*, Vol.10, No.9, pp: 6395–6411, 2020.
11. E. Syed Mohamed & K. Vijayalakshmi, “XSS Extenuator framework for exterminating Cross Site Scripting attack to ensure secure web access.”, *Solid State Technology*, Vol. 64, No. 2, pp. 2027-2040, 2021, IF:0.1.
12. A. Radhika, M. Syed Masood, “Effective dimensionality reduction by using soft computing method in data mining techniques”, *Soft Computing* , [https://doi.org/10.1007/s00500-020-05474-7\(0123456789\(\)\)](https://doi.org/10.1007/s00500-020-05474-7(0123456789())), pp.4643–4651, 2021, IF:0.71.
13. Narayani Raman, Aisha Banu Wahab, Sutherson Chandrasekaran, “Computation of workflow Scheduling using Backpropagation Neural Network in Cloud Computing- a Virtual Machine Placement Approach”, *The Journal of Supercomputing*, pp.1-20, 2021, IF:0.45.
14. R. Mythily, Aisha Banu W., Dinesh Mavaluru, “An Efficient Feature Selection Algorithm for Healthcare Data Analysis”, *Bulletin of Electrical Engineering and Informatics*, Vol.9, No.3, pp.877-885, 2021, IF:0.25.
15. M. Senthilraja, Arun Raj Lakshminarayanan, “Detection of Malicious Profiles and Protecting Users in Online Social Networks “, *Wireless Personal Communications* , DOI:10.1007/s11277-021-08095-x, 2021, IF:0.3
16. Azka Wani, Revathi S, Rubeena Khaliq, “SDN-based intrusion detection system for IoT using deep learning classifier (IDSIoT-SDL)”, *CAAI Transactions on Intelligence Technology*, <https://doi.org/10.1049/cit2.12003>, 2021, IF:0.35.
17. C.Hema, Sharmila Sankar, “Collision Mitigation algorithm for tracking of RFID based assets in Defence”, *EAI Endorsed Transactions on Energy Web*, 2021, IF:0.15.

B. International Conference & National Conference

a) Conference with ISBN Proceedings : 12

International Conference

1. L.Arun Raj, Skin Cancer Prediction Using Machine Learning Algorithms, *International Conference on Recent Trends in Advanced Computing (ICRTAC)*, Springer, Chennai, December 2020.
2. L.Arun Raj, A Survey on Prediction of Health Insurance Frauds Using Machine Learning, *International Conference on Cutting Edge Technologies in Electrical, Communication, Embedded System and Soft Computing Techniques (ICECES'20)* - AICTE, Tiruchirappalli, November 2020.

3. L.Arun Raj, Analysis of Classification Models to Predict the Post Graduate Admissions, *International Conference on Cutting Edge Technologies in Electrical, Communication, Embedded System and Soft Computing Techniques (ICECES'20)* - AICTE, Tiruchirappalli, November 2020.
4. L.Arun Raj, Detection of Fake News on Social Networks Using Machine Learning Techniques, *International e-Conference on Information, Communication and Networking (IECICN)*, July 2020.
5. L.Arun Raj, An Efficient Scene Content-Based Indexing and Retrieval on Video Lectures, *6th International Conference on Information System Design and Intelligent Applications* - Intelligent System Design – Springer, August 2020.
6. L.Arun Raj, An Efficient Text-Based Image Retrieval Using Natural Language Processing (NLP) Techniques, *6th International Conference on Information System Design and Intelligent Applications* - Intelligent System Design – Springer, August 2020.
7. C. Vijayalakshmi, Personalization of Data Using Machine Learning, *International Conference on Computing, Communication and Information Technology*, <http://doi.org/10.1016/j.matpr.2020.11.321>, 30th- 31st July 2020.
8. A. Ramachandran, The present plight of the fishing industry, Virtual Conference on Artificial Intelligence, Network Security, Data Science and IoT (National Level) organized by Department of Computer Science & Engineering, In association with Computer Society of India, Velammal Engineering College, Chennai, 06 & 07 Aug 2020.
9. A. Ramachandran, An Effective Median Filtering for Impulse Noise Erection and Destruction in Image, *Algorithms for Intelligent Systems*, Lecture Notes on Springer AIS Series, 2020.
10. Shaik Anisa, Irum Fathima, Hemapriya M, Vijayalakshmi C, Brindha Merin J, Analysis of Private web Browsing Mode, *International e-Conference on Artificial Intelligence, Network Security and Data Science*, 11th and 12th December, 2020.
11. Jiva Bajpai, Tasneem J, Janani N, Vijayalakshmi C, Radhika A, Study on Effect of Search Engines on Human, *International e-Conference on Artificial Intelligence, Network Security and Data Science*, 11th and 12th December, 2020.

National Conference

1. C. Vijayalakshmi, Semantic similarity check Answers Retrieval for Web Forum Questions, *Virtual Conference on Artificial Intelligence, Network Security, Data Science and IoT, (National Conference), VCANDO*, 6th-7th August 2020.

❖ Details of Impact Factor of the Publication and H-Index

A) Range: 0.1 - 0.78

B) Average: 0.25

C) H-Index: 14

D) No. in Scopus : 17

❖ **Sponsored Research (Ongoing / Applied)**

Sl.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2020-21	Balance available	
1	Dr. E. Syed Mohamed	SERB	Cellular Automata Models for Propagation of Tsunami Waves	12,48,000	-	-	-	Ongoing

❖ **Details of Testing / Consultancy works & amount generated**

Sl. No.	Details of Testing / Consultancy work	Date of receipt of order	Date of report submission	Amount received (Rs.)	Faculty involved	Status
1	Deep Learning algorithm for block chain Certificate verification system, Unwind Learning Labs	2020	-	Rs 3,50,000/-	Dr. Sharmila Sankar Dr.W. Aisha Banu	Ongoing (Two years)

❖ **Patents**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1	Driver Safety Improvement: Gesture Controlled Car Driving System to Assist the Physically	13.07.2020	31.07.2020	-	-

	Challenged				
2	Implementation of Telematics by WPAN for Locomotives Path Surveillance using Solar Powered Vehicle	27.07.2020	25.09.2020	-	-
3	Multimode Child Tracking and Monitoring System	14.08.2020	04.09.2020	-	-
4	Remote Pain Monitoring System for Knee Joint Pain of Elderly People	-	09-09-2020	-	-
5	An Intelligent Embedded Tool Recognition System for CNC Machines using Deep Learning Algorithms	10.09.2020	07.10.2020	-	-
6	System for Swimming Pool Water Quality Maintenance and Safety Using Artificial Intelligence and Methods Thereof	30.11.2020	11.12.2020	-	-

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Date
1	Ms. S. Subhashini	Bharathi Kanda Puthumai Penn Award for social service	Volunteers for Humanity (V4H)	06.03.2021

❖ **Achievements of Students**

Sl. No.	RRN	Name of the student	Type of recognition / Award	Details of Awarding organization	Date
1.	180071601032	Mr. M. Rohit	Paper Presentation in International Conference	International Conference on Recent Advances in Computer Science 2021, Saveetha Engineering College, Chennai	18.06.2021
2.	180071601082 180071601113	Ms. K. Fahima Sanobar Ms. Shalin Mr. Mohamed Irfan P	Best Paper Award	International Conference on Recent Advances in Computer Science 2021, Saveetha Engineering College, Chennai	18.06.2021
3.	180071601115	Mr. Mohamed Irfan P	Ambassador	AI4 Impact REVOLUSI EDUKASI BOOTCAMP 2021	08.05.2021
4.	180071601111	Mr. Mohammed Raeesul Irfan	Won 1 st place	Crescent Coding Club, BSACIST, Chennai.	29.05.2021
5.	180071601033	Ms. R.Sainivedhana	Paper Presentation in International Conference	International Conference on Intelligent Computing and Control System, Vaigai College of Engineering, Madurai	08.05.2021
6.	180071601110	Mr. Mohamed Irfan P	1 st Place in Poster Presentation	Spectron, BSACIST, Chennai	09.04.2021
7.	190071601031	Ms. Madhumitha A	Won 2 nd place	Crescent Coding Club, BSACIST, Chennai.	17.04.2021
8.	180071601136	Ms. Nivedha B	Internship at Foreign Institution	University of Helsinki	31.03.2021

❖ **Developmental Activities**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Course Name / Objective	Outcome
1	Course Era	April –June 2021	Dr. L. Arun Raj	Introduction to Virtual Reality	<ul style="list-style-type: none"> Acquired special skills in relevant courses.
			Dr. Muthu Priya	Block chain Opportunity Analysis	
			Ms. C. Vijayalakshmi	Introduction to Data Science in Python	
			Dr. C. Hema	Machine Learning for All	
			Ms. R. Akila	Exploratory Data Analysis	
2	IIT Bombay Spoken Tutorial	June - December, 2020 & January - May, 2021	1006 Students	Offering value added courses in cutting edge areas for the benefit of students.	<ul style="list-style-type: none"> Students learn FOSS in their respective subject. Got Certificate on completion of the exam, which is a prerequisite for placement in few MNC's.

❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status	Outcome
				Ongoing / Completed	
1	IBM India Pvt. Ltd.	IBM Career Education Program	April, 2017	Ongoing	<ul style="list-style-type: none"> • Study Innovative curriculum jointly developed with IBM based on the skills requirements by various organizations across the world • Learn from Industry Faculty by IBM who will teach using Live Industry cases • Use Licensed IBM software tools for training as part of the program (for education purposes) • Courseware Books and material for each student from IBM • Co-Branded Certificate on successful completion of the course by the institute & IBM • Improving prospects for a global career with best of the companies
2.	Gibraltar Technologies, Dubai	Project	2020	Ongoing	<ul style="list-style-type: none"> • Students Internship. • Projects. • Development of new technologies. • Solving complex real time problems etc.

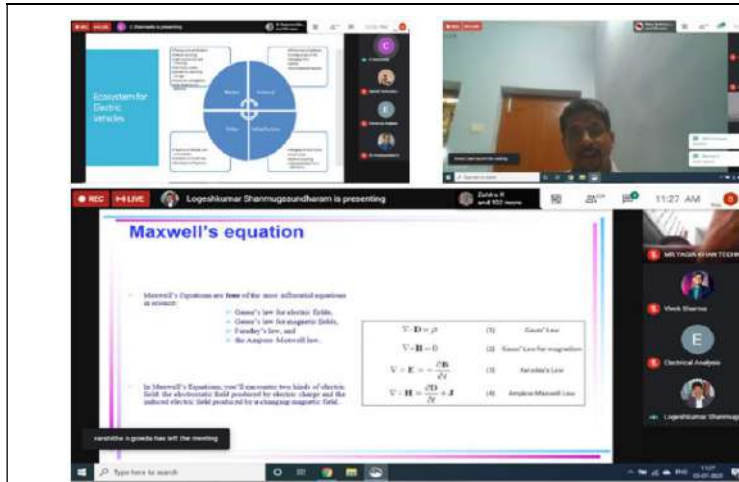
❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	ACM student chapter	Inauguration of CSE & ACM student chapter	26	389	-	Mr. Nihal Suhair Madurai, Business Analyst, Ideassion Technology LLP, Chennai.	Got exposure on Emerging Technologies	Mr. Nihal Suhair Madurai, Interacted with CSE students and gave them career guidance on 11.12.2020

❖ **MoU signed**

Sl. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1	Gibraltar Technologies, Dubai	Project	05	11	2020	<ul style="list-style-type: none"> • Students Internship. • Projects. • Development of new technologies • Solving complex real time problems etc. 	Ongoing

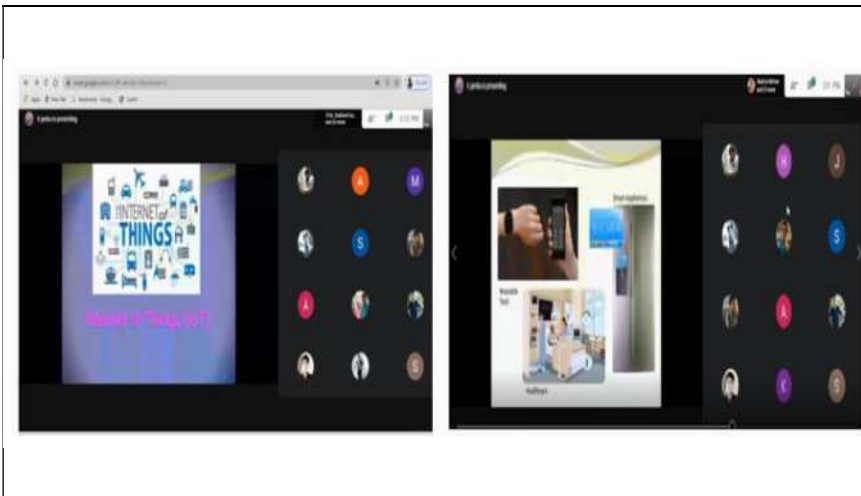
❖ Snapshot of Events:



“Electric Vehicle and its Scenario in India” during 01 - 03 July, 2020



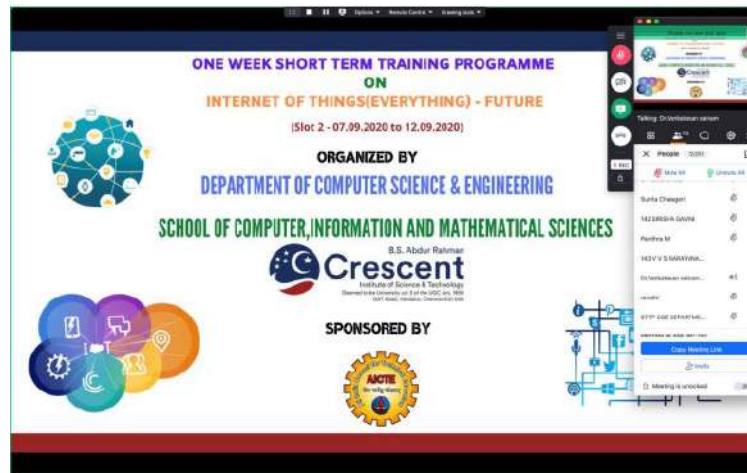
One-Day National Webinar on “Encryption Techniques through Graph Networks” 12 July 2020, by Dr. J. Baskar Babujee, Associate Professor of Mathematics, Anna University, MIT Campus, Chennai



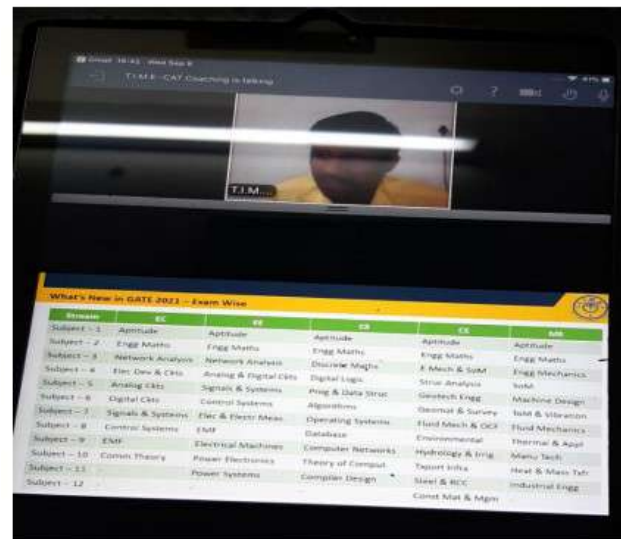
Webinar on “Internet of Things”, 05 August, 2020,
 by Dr. B. Ezhilavan, Managing Director, VEI
 Technologies, Chennai



One-week Short Term Training Programme on
 “Internet of Things – Everything Future”
 (24.08.2020 to 29.08.2020)
 Resource person: Mr. Amirtha Swamy, Dr.
 Muneerswaran, Dr.Malleswaran, Dr.Pushpalatha,
 Dr.Maheswari, Dr.Sabura Banu, Mr.Revanth
 Kumar, Mr.Rohith JK, Mr.Vijay Anand, Mrs.Azka,
 Mr. Manikandan & Mr.Khuzehma Siam Wala



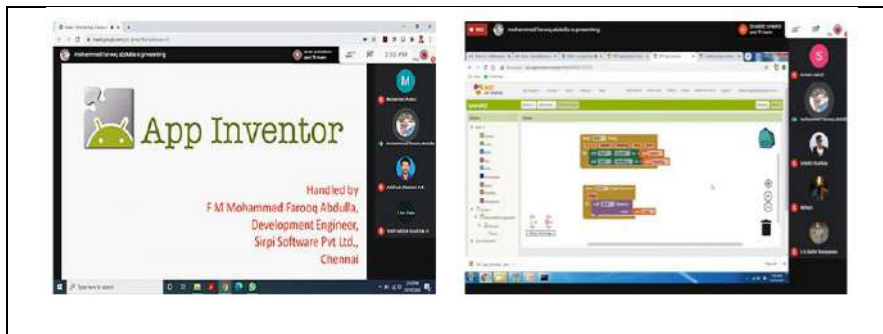
One-week Short Term Training Programme on
 “Internet of Things – Everything Future”
 (07.09.2020 to 12.09.2020)
 Resource person: Mr.Durai K, Dr.Angelina Geetha,
 Dr.Malleswaran, Dr.Pushpalatha, Dr.Maheswari,
 Dr.Sabura Banu, Mr.Revanth Kumar, Mr.Rohith JK,
 Mr.Vijay Anand, Mrs.Azka, Mr. Manikandan,
 Mr.Charan



Webinar on “Changes, Challenges & Opportunities
 for Students through GATE 2021” on 9 September,
 2020
 By Mr. Murali.K, Head, Academics, T.I.M.E.,
 Chennai



One- week Faculty Development Programme on “DATA SCIENCE” (21 to 25 September, 2020)
 Resource persons: Dr. Sitabhra Sinha, Dr.Sudhir Narayan Pathak, Dr.J. Alex Noel,Dr. Xavier Chelladurai, Dr.Golda Dilip, Dr.V. Vijayarajan, Mr.Venkatesan Prabu .J, Ms.Rama Chandrasekhar, Lara Abiesheikh.



BSAU Apple iOS Application Development Centre organized a one-day online Training Programme on “Mobile App Development using App Inventor” on 10.10.2020 through Google Meet.



Webinar on virtual Reality/Augmented Reality on
 18th November, 2020
 By Dr. K. Martin Sagayam, Karunya Institute of
 Technology and Sciences



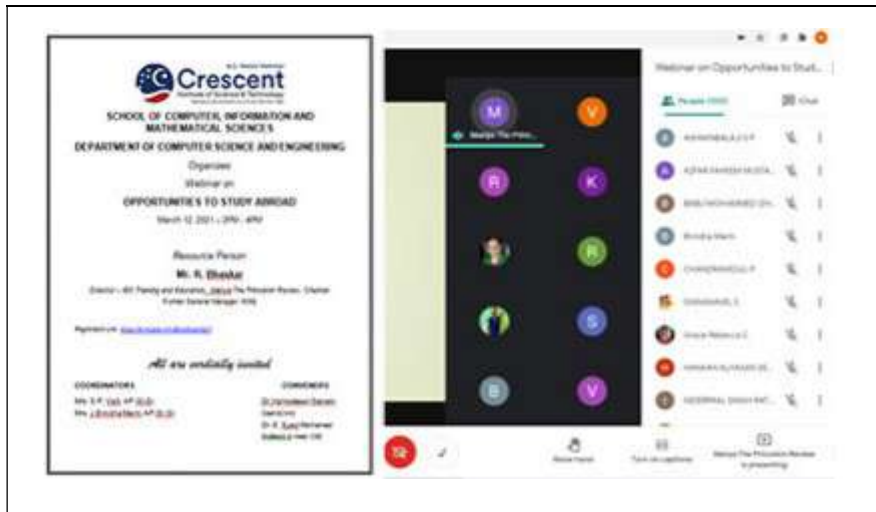
Alumni Entrepreneurs webinar on “The
 Entrepreneur’s Guide to Getting Started” on
 03.12.2020
 by Mr. Imthyaz Sheriff



A Guest lecture on “Let’s transcend to new horizons” on 17.02.2021
 by Dr. SulthanHalifa Haroon Al Rashid, Research Fellow, MIT University, Australia, and Co-Founder of BigEnPass Pvt Ltd



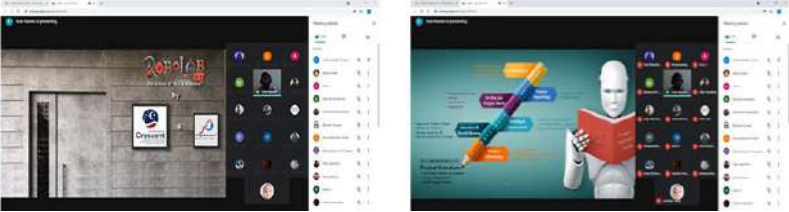

Webinar on “Applied Data Science in Action” on 01.03. 2021, by Mr.Bikramaditya Singhal

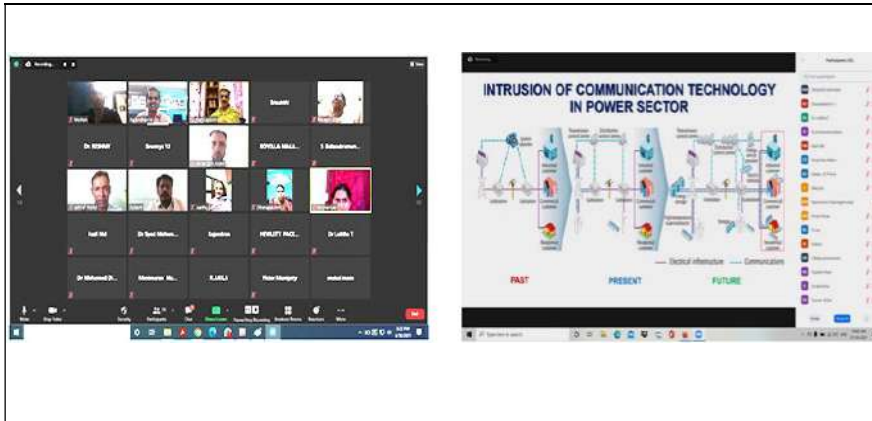


Webinar on “Opportunities to Study Abroad” on 12.03.2021 by Mr. Bhaskar, Director – IBS Training and Education, Manya-The Princeton Review, Chennai.



Webinar on ‘Blockchain Technology’ on 13.03.2021 by S. Gopinath, Sr Technical Director / Scientist F in National Informatics centre, Chennai.

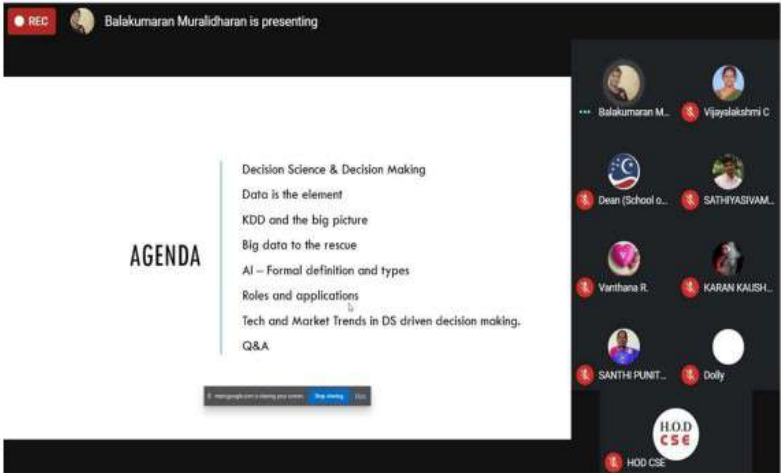
	<p>Webinar on “Prag Robotics” for the final year B.Tech. (IT & CSE) students on 01.04.2021, by Mr. Kola Naveen, Robotics & A.I. Architect, Prag Robotics, Chennai.</p>
	<p>Virtual Power Seminar on “Machine Learning and its Techniques” on 09.04.2021 by Mr. Joel A J – Sr. Software Engineer of RR Donnelley Global BPO</p>



A Five-Day Online Short Term Training Programme on Artificial Intelligence and its Impact on Industry 4.0 (26.04.2021 to 30.04.2021) by Technologies and Solution Methodologies for Real-world Scenarios



IBM DEVELOPER DAY under the theme of “Data Science & AI” on 29.04.2021, by Mr. Amol B Mahamuni, Program Director, Data Science and AI practice at IBM GTS Analytics Lab, Mr. Yuktesh Chintamadaka, Developer Advocate, IBM



The screenshot shows a Zoom meeting interface. At the top, it says "Balakumaran Muralidharan is presenting". The main content area displays an agenda slide with the following text:

- Decision Science & Decision Making
- Data is the element
- KDD and the big picture
- Big data to the rescue
- AI – Formal definition and types
- Roles and applications
- Tech and Market Trends in DS driven decision making.
- Q&A

On the right side, there is a grid of participant avatars. Visible names include: Balakumaran M., Vijayalakshmi C., Dean (School o..., SATHYASIVAM., Vanitha R., KARAN KAUSH., SANTI PUNIT., Dolly, and HOD CSE.

Webinar on “Current Trends and Future of Data Science & AI in Decision Making” on 03.06.2021 by Mr. Balakumaran, Muralidharan, Architect, Wipro technologies

DEPARTMENT OF INFORMATION TECHNOLOGY

❖ **Value Added Programmes Started:**

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Java Business Application	July – December, 2020	16 Weeks	IIT- Bombay Spoken Tutorial	44	-	-
2.	HTML	July – December, 2020	16 weeks	IIT - Bombay Spoken Tutorial	42	-	-
3.	Enhancing Soft Skills and Personally	February – April, 2021	8 weeks	NPTEL	35	-	-

❖ **Training Programmes offered:**

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Artificial Intelligence and Deep Learning Techniques	30.11.2020 to 05.12.2020 (Slot 1)	36 hours	AICTE	5	76	--
		01.02.2021 to 06.02.2021 (Slot 2)	36 hours		7	88	--

❖ **Conferences / FDP / Seminars / Workshops organized:**

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Challenges in Entrepreneurship	Webinar	07.12.2020	Office of Alumni Relations, BSACIST	Mr. Syed Shabbar Safiullah, Director, Cloud Services at Cryztal Technologies, Chennai	10	52	-	-
2.	Blockchain Technology	Webinar	15.03.2021	-	Mr.S.Gopinath Scientist - F,National Informatics Center	8	75	-	-
3.	Version Control and Source Code Management Using Git	Webinar	25.2.2021	-	Mr. Alauddin Ulaganathan, , Lead Software Engineer in Test @ Freshworks, Chennai	2	56	-	-
4.	Cybersecurity and Ethical Hacking	Workshop	16.6.2021	-	Mr. Ajinkya Lohakare, CTO & Founder of Ditto Security, TEDX and Josh talk Speaker	10	46	-	50
5.	Load Balancing in Cloud Computing	Seminar	12.02.2021	-	Mr. Shahbaz Afzal, Research Scholar /IT	2	25	-	-

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.:**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	15 Days Training on “Data Science and Machine Learning”	15 Days (19.05.2021 to 03.06.2021)	Organized by SPDC sponsored by AICTE (Total grand Rs. 14.68 Lakhs received from AICTE)	--
2	15 Days Training on “Embedded C”	15 Days (29.03.2021 to 10.04.2021)	Organized by SPDC sponsored by AICTE (Total grand Rs. 14.68 Lakhs received from AICTE)	--
3	30 Hrs Training on “Python Programming”	30 Hrs (08.03.2021 to 18.03.2021)	Organized by SPDC sponsored by AICTE (Total grand Rs. 14.68 Lakhs received from AICTE)	--
4	STTP on “Artificial Intelligence and Deep Learning Techniques”	1 Week – Two Slots 30.11.2020 to 05.12.2020 (Slot 1) 01.02.2021 to 06.02.2021 (Slot 2)	Organized by Department of Information Technology Sponsored by AICTE (Total Grant of Rs.1,65,800/- received from AICTE)	--

❖ **Conferences / FDP / Seminars / Workshops Attended:**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Dr. Nabeena Ameen	Android App Using Kotlin	FDP	10.08.2020 to 17.08.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	--
2.	Dr. Nabeena Ameen	Ethical Hacking	Webinar	31.08.2021	B.S.Abdur Rahman Crescent Institute of Science and Technology	--
3.	Dr. Nabeena Ameen	Design and development of E-Content	Online workshop	12.08.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	--
4.	Dr. Nabeena Ameen	Cyber Security Simplified	Online Webinar	11.09.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	--
5.	Dr. P. Latchoumy	Cyber Physical Systems	FDP	07.11.2020 to 11.11.2020	Indian Institute of Information Technology, Pune	--
6.	Dr. P. Latchoumy	Deep Learning	ATAL Academy online FDP	21.9.2020 to 25.9.2020	Indira Gandhi Delhi Technical University for Women.	--

7.	Dr. P. Latchoumy	Android App Using Kotlin	FDP	01.07.2020 to 17.8.2020	IIT Bombay & MHRD	--
8.	Dr. P.Gnanasekaran	A Blend of Machine Vision, Cyber Security, Block Chain and Applications	FDP	05.08.2021 to 18.08.2021	Sathyabama Institute of Science and Technology	--
9.	Dr. G.Kavitha	Cyber Physical Systems	FDP	07.11.2020 to 11.11.2020	Indian Institute of Information Technology, Pune	--
10.	Dr. G.Kavitha	Deep Learning	FDP	21.9.2020 to 25.9.2020	Indira Gandhi Delhi Technical University for Women, New Delhi	--
11.	Dr. G.Kavitha	Android app using Kotlin	FDP	01.07.2020 to 17.8.2020	B.S Abdur Rahman Crescent Institute of Science and Technology in association with IIT-B Spoken Tutorial	--
12.	Dr. G.Kavitha	Deep Learning	FDP	July – December, 2020	NPTEL - AICTE	--
13.	Dr. G.Kavitha	Machine Learning	FDP	February – April, 2021	NPTEL - AICTE	--
14.	Dr. G.Kavitha	Design and Development of e-content	Workshop	12.8.2020	Office of Dean (Academic Affairs), BSACIST	--
15.	Dr. P.Gnanasekaran	Cyber Security and Ethical Hacking	Webinar	16.06.2021	IT , BSACIST	--

16.	Dr. N. Prakash	End-to-End Processes in Data Analytics	FDP	02.11.2020 to 06.11.2020	SSN College of Engineering	--
17.	Dr. N. Prakash	Artificial Intelligence and Data Science	FDP	24.08.2020 to 30.8.2020	Department of CSE, Easwari Engineering College	--
18.	Dr. Shahbaz Afzal & Dr. G. Kavitha	Recent Trends and Technologies in Computing'	National Conference	01.04.2021	Department of CSE, Arasu Engineering College, Kumbakonam, Tamilnadu.	--
19.	Dr.R.Priyadarshini & A.Sonya	IBM Cloud Computing Practitioner- Instructor certificate	FDP	25.11.2020 to 10.12. 2020	Department of CSE & IBM academic Initiative	--
20.	Dr.Latha tamilselvan	Introduction to Internet of Things	FDP	July-December, 2020	NPTEL - AICTE	--
21.	Dr.Latha tamilselvan	Introduction to industry 4.0 & Introduction to Internet of Things	FDP	July-December, 2020	NPTEL - AICTE	--
22.	Dr.Latha tamilselvan	Android App Using Kotlin	FDP	01.07.2020 to 17.8.2020	IIT Bombay & MHRD	--
23.	Dr. I. Sathik Ali	Cyber security	FDP	July – December, 2020	NPTEL - AICTE	--

❖ **Papers Published/ Presented In Journals & Conferences (Total Numbers Only)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
01	--	03	03	--	--	11	03	21

❖ **Details Of Publication In National & International Journals & Conferences:**

International Journal & National Journal

a) SCI / Scopus Indexed Journal

1. G. Kavitha, P. Latchoumy and A. Sonya, "An Efficient Traffic Contention and Control Mechanism to Improve QoS in Heterogeneous Wireless Sensor Networks", *Indonesian Journal of Electrical Engineering and Computer Science*, Vol.20, No.2, pp: 968-975, 2020 (Scopus Indexed – I.F: 0.21).
2. A. Sonya, G. Kavitha, N. Ramakrishnan and Mohamed Safith, "A Comprehensive Review on Prediction of Heart Condition using Machine Learning Algorithm", *Journal of Critical Reviews*, Vol.7, No.19, pp:3496 – 3506, 2020
3. A. Sonya, G. Kavitha, A. Varsha and Riyaz Muhammed, "Encrypting Health Care Data in Cloud Using Cryptographic Algorithms", *Test Engineering and Management*, Vol.83, pp: 26722 – 26731, 2020.
4. A. Sonya, S. Jeevitha, M. Vaishnavi, "Secure Storage and Access Scheme for E-Medical Records using Blockchain Environment", *Journal of University of Shanghai for Science and Technology*, ISSN: 1007-6735, Vol 23, May 2021.(Scopus Indexed - I.F:0.11).
5. Siva krishna and N. Prakash, "Deep learning for efficient and multi-labelled classification of synthetic aperture radar images", *Springer Journal of Evolving Systems*, June 2021.
6. R. Priyadarshini, Swetha, S. B, R. Kiran, Mohammed Azeem.M. A, N. Rajendran, "Secured Digital Data Extraction of enterprise invoices images using Fuzzy Matching Techniques", *International Journal of Future Generation Communication and Networking*, Vol. 13, No.3, pp: 2920-2924, September 2020.

7. K Anuratha, M Parvathy, R Priyadarshini, D Saisanthiya, “Public Sentiment Insights Analysis using Word Sense Disambiguation Application on Twitter Data during a Pandemic – Covid’19”, *International Journal of Advanced Trends in Computer Science and Engineering*, Vol.9, No. 4, pp.4729-4732, Aug 2020.
8. Priyadarshini, R. and Tamilselvan, L. “Semantic linkage of source content dynamically with virtual documents using Wikipedia in Hadoop”, *Int. J. Advanced Intelligence Paradigms*, Vol. 16, Nos. 3/4, pp. 338–354, July (2020).
9. Uma Nandhini D, Udhayakumar Shanmugam, LathaTamilselvan, and Silviya Nancy J, ”Client Aware Scalable Cloudlet to Augment Edge Computing with Mobile Cloud Migration Service”, *International Journal: Interactive Mobile Technologies, iJIM*, Vol. 14, No. 12, 2020, pp.165-179. July 2020. (SJR: 0.313). -WOS
10. Kavitha Subramaniam, Latha Tamilselvan, “Power Efficient and Optimal Multicast Routing Protocol (PE-OMRP) for Mobile Adhoc Networks”, *Journal of Green Engineering*, Vol: 10, Issue: 9, pp. 4788-4799, September 2020. (Scopus indexed, SJR: 0.19)
11. E.K. Subramanian, Latha Tamilselvan, “Privacy Preservation and Security Provision for Big data using Sanitization and Weighted Fuzzy C-Means Clustering”, *Journal of Green Engineering*, Vol-10, Issue-6, pp. 2875-2895, June 2020. (Scopus indexed, SJR:0.19)

B. Other Journals:

1. R.Priyadarshini, N.Rajendran, “Semantic Retrieval of legal case documents using relational methontology based C_Mapping Technique”, Vol. 5, No.4, *NMR Journal, Web of Science Groups*, Russia, UGC_Group II approved Journals, April 2020.
2. T.Harinarayana, Pitambar Sai Goyal, N Rajendran, “New way of Identification of a Place and Tracking”, *International Journal of Geosciences*, vol. 11, 2020, pp. 360-376. (CABI Indexed, IF: 0.83)
3. R.Priyadarshini, K. Anuratha, N. Rajendran, S. Jeyanthi, S. Sujeetha, “LeDoCl : A Semantic Model for Legal Documents Classification using Ensemble Methods”, *Turkish Journal of Computer and Mathematics Education*, Vol.12, No.9, 2021, 1899 – 1908. (Scopus Indexed, SJR: 0.15).

International Conference & National Conference:

a) Conference with ISBN Proceedings

1. A.Sonya, G.Prathiksha, Kishore Kumar, Preethi.H, S.Priyadharshan, “To Ensure Multi Level Encryption in Cloud Computing”, in *International Conference on ICT-Innovations, Application, Trends and Research (IATR) 2021*, Mohanlal Sukhadia University, Udaipur, July 2021.

2. Priyadarshini R, Anuradha K and Rajendran N, "APMFT: Anomaly Prediction Model for Financial Transactions using Learning Methods in Machine Learning and Deep Learning", *4th International Conference on Intelligent Computing (IConIC)*, organized by Panimalar Engineering College, Mar 2021.
3. Priyadarshini. R, Arvind Bharani, Rahiman Khan, Rajendran. N, "Low Light Image Enhancement using Deep Convolutional Network", *International Conference on Sentimental Analysis and Deep Learning (ICSADL 2020)*, organized by KGiSL Institute of Technology, Coimbatore, April 2020.
4. S. Afzal, G. Kavitha, "A Nature Inspired Pine Tree Optimization Algorithm", in National Conference on Recent Trends and Technologies in Computing (NCR TTC'21), Arasu Engineering College, Kumbakonam, Tamilnadu, April 2021.

b) Other Conferences

1. Murshid M R, Mohammed Yasar Arabate N, N.Rajendran, R.Priyadarshini, "Online Feedback Analysis Based Personalized Recommendation System using Deep Neural Networks for E-Commerce Websites", *World conference on Applied Science Engineering and Technology*, during October 2020.
2. R.Priyadarshini, Varun Kumar.A, NoorJeham Begum.K, N.Rajendran, "Prediction Model for Financial Data and Anomaly Detection using ML and DL Techniques", *World conference on Applied Science Engineering and Technology*, during October 2020.
3. R.Priyadarshini, Mohammed Riyasudeen. A, Mohammed Arshath farooq.A, N.Rajendran, "Malware Feature Extraction By Dynamic Analysis Using Ensemble Classification", *World conference on Applied Science Engineering and Technology*, during October 2020.

❖ Details of Impact Factor Of The Publication and H-Index :

A) Range	B) Average	C) H-Index	D) No. in Scopus
0.1-3.3	1.7	7	11

❖ Book Published:

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Dr. S. Kaja Mohideen,	Impact of AI and Machine Learning	-	-	Springer Publishers	Available

	Dr. Latha Tamilselvan, Dr. Kavitha Subramaniam, and Dr. G. Kavitha	in Smart Sensor Networks for Health Care, Smart Sensor Networks, Vol.92, 2021				
2.	Mr. Shahbaz Afzal, Dr. G. Kavitha. and Mr. Amir Ahamed Dar	A Cloud Computing Based Model for Wildlife Conservation and Health Care Improvement in Endangered Wild Life Animals, Handbook of Research on Smart Technology Models for Business and Industry, 2020	-	-	IGI - Global Publishers	Available
3	Mr. Amir Ahmad Dar, Mr. Shahid Qadir, and Mr. Shahbaz Afzal	COVID-19: Home vs. Other Place Quarantine – A Study in Kashmir, Handbook of Research on Library Response to the Covid-19 pandemic, 2021.	-	-	IGI Global Publisher	Available
4	Dr. R.Priyadarshini, Mr. Aravind Bharani, Mr. Rahaman Khan, Dr. N.Rajendran	Low Light Image Enhancement using Deep Convolutional Network, Innovative Data Communication Technologies and Applications, 2021	-	-	Springer Publishers	Available
5	Ms. Vidya R & Dr. R.Priyadarshini	An E-Commerce Prototype for Predicting the Product Return phenomenon Using Optimization and Regression Techniques, Advances in Computing and Data Sciences, 2021	-	-	Springer Publishers	Available

❖ **Patents (Obtained / Applied):**

S. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	System for Swimming Pool Water Quality Maintenance and Safety using Artificial Intelligence and Methods Thereof	202041052178	December, 2020	-	-
2	Patient Safety And Privacy-Preserving in E-Health Using Internet Of Things	2021100235	March, 2021	Yes (Australian)	-
3	Securing Patients Health Information using Attribute Based Encryption	202141029278	June, 2021	-	-
4	An Apparatus for Recycling of Polymeric Waste, Patent No.: 369875	08.10.2020	16.10.2020	22.06.2021 (India)	-

❖ **Achievements of Staff :**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Dr. Latha Tamilselvan	Research Incentive award	Office of Dean (Academic Research), BSACIST	September, 2021 *
2	Dr. R. Priyadarshini	Research Incentive award	Office of Dean (Academic Research), BSACIST	September, 2021 *
3	Mr. N. Rajendran	Research Incentive award	Office of Dean (Academic Research), BSACIST	September, 2021 *
4	Dr. P. Latchoumy	Appreciation award for IIT Bombay Spoken Tutorials	Office of Dean Academic Affairs, BSACIST	January, 2021

5	Dr. R. Priyadarshini	Appreciation award for IIT Bombay Spoken Tutorials	Office of Dean Academic Affairs, BSACIST	January, 2021
6	Mr. N. Rajendran	Appreciation award for IIT Bombay Spoken Tutorials	Office of Dean Academic Affairs, BSACIST	January, 2021
7	Dr. P. Gnanasekaran	Appreciation award for IIT Bombay Spoken Tutorials	Office of Dean Academic Affairs, BSACIST	January, 2021
8	Ms. A. Sonya	Appreciation award for IIT Bombay Spoken Tutorials	Office of Dean Academic Affairs, BSACIST	January, 2021

**** - For the publications of 2019-2020.**

❖ Achievements of Students:

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Ms. Raja Meenakshi V	170081601033	Cisco Certified Network Associate	NETWORK RHINOS, The Network Experts, Chennai	June, 2021
2.	Ms. Harini R	170081601015	Certificates in Foundations of Robotics (80 hours)	Robo Lab 4.0, Chennai	January – April, 2021
3.	Ms. Sripreethi S.K	170081601036	Certified Platform App Builder	Sales force	June, 2021
4.	Ms. K. Kavi Bharathi	170081601018	Winners in the Intramural Competition, Football	BSCIST	2019-2020
5.	Mr. Aakash. S	180081601002	Platinum Badge in Level 1 of the PGP - AIML Course	Great learning in collaboration with University of Texas	May, 2021

6.	Mr. Aakash. S Mr. Kishore Kumar Mr. Ram Kumar. V Mr. Sharan. K	180081601002 180081601018 180081601035 180081601042	NSDC certification for the course AI with Real Time Applications	Prag Robotics in collaboration with Gras AcademY	January, 2021
7.	Mr. Abdul Rahman. A.R Mr. Kowsikkanna. R Ms. Preethi. H	180081601003 180081601020 180081601032	TCS ion Career edge - Young Professional	TCS	October, 2021
8.	Ms. Jaya Priya. S Ms. Pradhiksha. G Ms. Rabiya Junith Basha.M Ms. Vaishali. G Ms. Hamshika.R.S	180081601016 180081601031 180081601034 180081601049 180081601052	Elite Certification with Silver Badge in NPTEL course "Enhancing Softskill and personality"	NPTEL Swayam	April, 2021
9.	Mr. Mohammad Shadman Shafat	200081601048	2nd place in photography	Al sarh tourism Saudi Arabia	October, 2021
10.	Ms. Choumya M	200081601008	3rd place in yoga championship	South India yogasana championship	May, 2021

❖ **Developmental Activities:**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1.	Cisco Certification programme @ NETWORK RHINOS, the network experts, Chennai	29.04.2021-4.06.2021	Ms. Raja Meenakshi V, 2017-2021 batch	To study the concept of networks & learn the latest tools & technologies for implementing real time network projects	Got placed as a Network Associate @ Sandy Info. Solutions, Chennai
2.	Certification programme in Foundations of Robotics (80	January - April, 2021	Ms. Harini R, 2017-2021 batch	To study how to design, construct, operate, and	Gained the knowledge to

	hours) @ RoboLab4.0			use robots.	develop a real time robots
3.	Certification programme in Platform App Builder @ Salesforce	21 June, 2021	Ms. Sripreethi S.K, 2017-2021 batch	To learn how to build the app using latest tools & techniques	Able to work on any app development project in the IT industry
4.	Internship @ Kaashiv Ltd., Chennai	01 November, .2020	Mr. Amjath Hussain.A, Mr. Ativan S.K, Mr. Dilip Hamilton V 2017-2021 batch	To learn the latest tools & technologies in the IT domain	Able to design & implement the final year project using the suitable tools & techniques
5.	Internship @ MTE MedTourEasy	26 November, .2020	Mr. Saquib Nawaz 2017-2021 batch	To learn the latest tools & technologies in the IT domain	Able to design & implement the final year project
6.	Internship @ Forage Inspiring and empowering future professionals	February, 2021	Mr. Azaraf Ali. S, Ms. Bhaghiyashri Akshara .V, Ms. Deeptha Malika M, Mr. Mohamed Mubarak. H 2017-2021 batch	To learn the latest tools & technologies in the IT domain	Able to design & implement the final year project using the suitable tools & techniques
7.	Certification programme on “Master Your Communication Skills” conducted by SPDC, BSACIST	18.07.2020, 25.07.2020 & 01.08.2020	Ms. Deeptha Malika M, 2017-2021 batch	To learn communication skills & writing skills	Ready to face the interview for getting a better Job in IT or other Industry.

8.	Internship @ Web Development Community	March 2021 to April 2021	Mr. Ahamed Rizha Ms. Alphius Deepak Mr. Lokesh Kanna Mr. Haja Najbudeen Mr. Shek Mahaboob Basha Ms. Sheha B Mr. Syed Mohamed Thousif Ms. Sumaiya Mubasharra	To learn Web Design & Development	Able to design and develop GUI and Scripts for Web page development
9.	Internship @Prag Robotics in collaboration with Gras Academy	January, 2021	Mr. Ramkumar Mr. Kishore Kumar Mr. Sharan	Understand the concepts in AI & Robotics	Able to work with real time applications of AI projects
10.	Internship @CodeGnan Technologies	March, 2021	Ms. Jayapriya Ms. Pradhiksha Ms. Rabiya Junith Basha Mr. Mohammed Ashiq.A Mr. Mohamed Yousuf	Learn the Python Programming language for coding ML algorithms	Use the Python coding concepts on developing ML based applications.
11.	Internship @ Learnovate	October, 2021	Mr. Mohamed Sharuk	Learn programming languages for application development	Able to develop applications and work with projects
12	Internship @ Pantech Solutions	May, 2021	Mr. Santhosh Kumar	Learn Python as applied to data science	Work with real time projects on Covid-19 detection with data sets.
13.	Internship @ Internshala, IIIT, Allahabad	February, 2021	Ms. Preethi.H	Learn programming languages for application development	Design and develop projects for real time applications

❖ **Industry / Institute Collaboration:**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status	Outcome
				Ongoing / Completed	
1	Gibraltar Technologies	Academic	05.11.2020	Ongoing	Industry Projects

❖ **Professional Society Activities:**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	Society of Information Technologists (SIT)	Webinar on “Challenges in Entrepreneurship” on 7.12.2020	10	52	-	Mr. Syed Shabbar Safiullah, Director, Cloud Services at Cryztal Technologies, Chennai.	The webinar has enabled the students to become good entrepreneurs in the society.	Students were motivated to become good entrepreneurs

❖ **MoUs Signed:**

Sl. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	Gibraltar Technologies	Academic	05	11	2020	Exchange of expertise for Implementation (Project) and	Ongoing

							Research	
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❖ **Extension Activity Conducted:**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	NSS - Webinar on awareness about COVID 19 Vaccinations	6	50	-	-	2 Hours - June 2021	Awareness about COVID 19 Vaccinations

DEPARTMENT OF COMPUTER APPLICATIONS

❖ New Programmes Started

Sl. No.	Name of Programme	Month & Year of Introduction	Details of Approval	
			Board of Studies	Academic Council
1	MCA (2 year)	June 2020	06.06.2020	25.06.2020

❖ Value Added Programmes Started

Sl. No.	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Java Business Application	July – December, 2020	1.5 hours	IIT Bombay spoken tutorial	3	Dr. Shahar Banu	-
2	Python	July – December, 2020	6 hours	IIT Bombay spoken tutorial	24	Dr. Sudha	-
3	Python	July – December, 2020	6 hours	IIT Bombay spoken tutorial	21	Dr.Javubar Sathick	-
4	R Programming	July – December, 2020	4 hours	IIT Bombay spoken tutorial	13	Dr.Zameer	-
5	R	July – December, 2020	4 hours	IIT Bombay spoken tutorial	17	Ms. Shahatj	-
6	R	July – December, 2020	4 hours	IIT Bombay spoken tutorial	10	Dr. Sindhu	-

7	R	July – December, 2020	4 hours	IIT Bombay spoken tutorial	7	Mrs.Preetiverma	-
8	R	July – December, 2020	4 hours	IIT Bombay spoken tutorial	19	Mr. Niaz Ahmed	-
9	RDBMS	July – December, 2020	1.5 hours	IIT Bombay spoken tutorial	7	MS. Padmavathy	-
10	RDBMS	July – December, 2020	1.5 hours	IIT Bombay spoken tutorial	35	Dr. S. Srisakthi	-
11	RDBMS	July – December, 2020	1.5 hours	IIT Bombay spoken tutorial	33	Dr. Shakila	-
12	RDBMS	July – December, 2020	1.5 hours	IIT Bombay spoken tutorial	27	Ms. Sabaria	-
13	RDBMS	July – December, 2020	1.5 hours	IIT Bombay spoken tutorial	23	Dr. A.K. Reshmy	-
14	Java and Netbeans	January - June, 2021	1.5 hours	IIT Bombay spoken tutorial	16	Dr. Thilagavathi	-
15	Java and Netbeans	January - June, 2021	1.5 hours	IIT Bombay spoken tutorial	12	Dr.M.Mohamed Divan Masood	-
16	C and C++	January - June, 2021	3 hours	IIT Bombay spoken tutorial	24	Dr. Prasanna	-
17	C and C++	January - June, 2021	3 hours	IIT Bombay spoken tutorial	15	Dr. S. Shahar Banu	-
18	C and C++	January - June, 2021	3 hours	IIT Bombay spoken tutorial	28	Ms. R. Shahtaj	-
19	C and C++	January - June, 2021	3 hours	IIT Bombay spoken tutorial	10	Ms. PreetiVerma	-
20	C and C++	January - June, 2021	3 hours	IIT Bombay spoken tutorial	28	Ms.Pandiyavathi	-
21	C and C++	January - June, 2021	3 hours	IIT Bombay spoken tutorial	24	Mr. V.M. Niaz Ahmed	-

22	Joomla	January - June, 2021	1.5 hours	IIT Bombay spoken tutorial	1	Dr. Sudha Rajesh	-
23	Python 3.4.3	January - June, 2021	6 hours	IIT Bombay spoken tutorial	22	Dr. Ashfauk	-
24	Python 3.4.3	January - June, 2021	6 hours	IIT Bombay spoken tutorial	25	Dr. A.K. Reshmy	-
25	Python 3.4.3	January - June, 2021	6 hours	IIT Bombay spoken tutorial	15	DR. A. Abdul Azeez Khan	-
26	Python 3.4.3	January - June, 2021	6 hours	IIT Bombay spoken tutorial	11	Dr. ZameerGulzar	-
27	Python 3.4.3	January - June, 2021	6 hours	IIT Bombay spoken tutorial	19	Ms. S. Sabaria	-

❖ Training Programmes Offered

Sl. No.	Name of the Programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Faculty Development Programme on insights of Software Development, Testing and Quality Process in IT Industry (CSI).	30.05.2020 - 01.06.2020	15 hrs	CSI	-	35	-
2.	5 Days FDP on Digital Image Processing and its Techniques (CSI).	06.07.2020 - 10.07.2020	30 hrs	CSI	-	45	-
3.	SDP Student development program in collaboration with	30.6.2020	5 hrs	Mr. Ganesh Sankaralingam,	50	-	-

	CSI			Director, Latent View Analytics			
4.	15 days Online Training Programme on Data Science and Machine Learning	19.05.2020 - 04.06.2020	60 hrs	-	SPDC Students of BSACIST	-	-

❖ **Conferences / FDP / Seminars / Workshops Organized**

TYPE OF PROGRAMME: SYMPOSIUM					
Sl. No.	Chief Guest	Title of the Lecture delivered	Date	Participants	
1	Dr. Badri Seshadri, Managing Director, SynProSoft-CHENNAI	ONLINE SYMPOSIUM (CSI)	12.07.2020	80	
TYPE OF PROGRAMME: SEMINARS					
Sl. No.	Name of the Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants Faculty & Students
1.	Research Paradigms and Intellectual Property Rights	02.06.2020	BSACIST	Dr. P. Amudhavalli, Dr. Sudha Rajesh	63

2.	Programming & Computer Fundamentals (online quiz)	03.06. 2020	BSACIST	--	440
3.	Digital transformation through mobile application	04.06.2020	IT industry	Sivaprasath, Vista Convert	142
4.	Awareness of Data Science in Real World	06.06.2020	IT industry	Mr. Gowtham. R, Data Engineer at SaturamInfosystem private limited, Bangalore	188
5.	Image processing Using CNN	09.06.2020	IT industry	Ms. Ananya Das, Data Scientist, CSoft Tech, Bangalore	176
6.	Confidence Building and Special Skills to face interviews	10.06. 2020	IT industry	Mr. Tameem Saed, CEO, Fortran Cirkit, Pvt. Ltd.	56
7.	Ethical Hacking	11.06. 2020	IT industry	Mr. Vinod Senthil T, Founder & Managing Director, infySEC Pvt. Ltd.	329
8.	Career guidance for the aspiring undergraduate students for their higher studied and scope for specializing in the emerging software programming skills	22.06.2020	SRMIST	Dr. V. Lokeshwari, Associate Professor	70
9.	Future of IT talk for school to college transition students	27.06.2020	IT industry	Mr. K. Sathish Balaji, Program Manager, French MNC	43

10.	Entrepreneurship in E-Commerce	28.06. 2020	Entrepreneur	Ms.RenatNividha, Entrepreneur, Chennai	100
11.	National webinar on "Career guidance for the aspiring Undergraduate students for their higher studies and scope for specializing in the emerging Software Programming skills".	30.06.2020	IT industry	Mr.GaneshSankaralingam, Director, LatentView Analytics, Chennai.	280
12.	International webinar on Artificial Intelligence on Bio signal analysis	11.07.2020	Academician	R.Yuvaraj ,Post-Doctoral Fellow At ,Nanyang University Singapore	117
13.	International Webinar on "Exploring Linux Distribution Across Cloud, IoT & Mobile Devices"	17.08.2020	IT Industry	Mr. Adithya Devarajan, Solution Architect, The Nielsen Company (US), LLC., Poland	163
14.	Webinar on " Career Opportunity and Development"	19.09.2020		Mr.Ajay Basil Varghese, Nodal officier, AdiShankara Technology Business Incubator, Kalady, Co-Founder ofvooxo Labs	41
15.	Internet of Things & How to extract data from IOT devices?	16.09.2020	IT Industry	Dr. PethuruRaj chellaiah, Chief architect and Vice president, Reliance Digital Platform and Project services, Bangalore	110
16.	Machine Learning approach for biological experimental data analysis: the case of	28.07.2020	Academician	Dr. Eugenio Martinelli, Professor, Department of Electronics and Engineering,	100

	lab-on-chip applications			University of Rome TorVergata, Italy	
17.	Block chain and its Developing Tools”	29. 06.2020	IT Industry	Mr. Arshad Sarfarz – Senior Technology Architect - Infosys Bangalore	51
18.	Need of Cyber Security Skills & Job Opportunities	07.07.2020	IT Industry	Mr.Kottaram Ramesh - Director – Skills DA	154
19.	Industry 4.0 Implications on Higher education	10.05.2021	IT Industry	Mr. A.S. Swaroop., Tech lead, Craftveda Technologies, Calcutta	Final year BSC, BCA STUDENTS
20.	Internet of Things & AI	22.05.2021	IT Industry	Dr. T. Ruso, Associate Consultant, Wipro Digital, Chennai	Faculties, Research Scholars, UG & PG students
21.	Preparedness for Industry Readiness	29.05.2021	IT Industry	Mr.P.Shanmugam, Business Analyst ,Manager HR IT Systems,CTS Chennai	MCA students
22.	Test automation with selenium with python	29.05.2021	IT Industry	Mr. Remi Julian, Accenture, Chennai	Faculties, Research Scholars, UG & PG students
23.	Cloud Security Opportunities &Emerging Trends	31.05.2021	IT Industry	Mr.VelayuthamSelvaraj,Founder&CTO,Twin Tech Solutions	UG students from Other Institutions
24.	Big Data Analytics	31.05.2021	IT Industry	Mr.D.Maghesh Kumar, AP/Software Engineering, PeriyarManiammai Institute of Science & technology	MCA students

25.	Technology – The New Architect of world”	31.05.2021	Academician	Mr. T. Kirankumar Manivannan, Assistant Professor, Easwari Engineering College, Chennai	Faculties, Research Scholars, UG & PG students
26.	Algorithms and its uses	03.06.2021	IT Industry	Mr. A. Daranivasan, Sr. Business Analyst, ADP Pvt. Ltd., Hyderabad	Faculties, Research Scholars, UG & PG students
27.	How to write a Research Article?	05.06.2021	SRMIST	Dr. P. Kumaran, AP/ SRM University - AP	UG, PG, Ph.D (Internal and External)
28.	Career Opportunity & skill development strategies	12.06.2021	IT Industry	Mr.S.Muthukumar, Technology Lead, Infosys Ltd.,Chennai	UG students
29.	Development with Environment	14.06.2021	IT Industry	Ms. PallaviRampati, Technical Consultant, Paul – Edu Technology and Management Services, Chennai	UG Students, +2 students
30.	Self-Motivation and Goal Setting	19.06.2021	IT Industry	Mr.Pankaj Kumar Sinha, Manager-HR, Ebixcash Technologies.	UG students, HSC school students
31.	App Development Awareness Program	25.06.2021	IT Industry	Mr. Mohammed Hussain, Developer- Swift Automation	Faculties, Research Scholars, UG & PG students
32.	Technology and Innovation	27.06.2021	IT Industry	Mr. Mohamed Aashik Rahman, Founder CEO- Propeller Technologies, Co-Founder- ZafiRobots	12th students

TYPE OF PROGRAMME: TRAINING PROGRAMS			
Topic	From - to	Participants	SPEAKERS
Faculty Development Programme on Insights of Software Development, Testing and Quality Process in IT industry (CSI)	30.05.2020 to 01.06.2020	35 (Internal and External candidates)	Faculty Development Programme on Insights of Software Development, Testing and Quality Process in IT industry (CSI)
5 Days FDP on Digital Image Processing and its Techniques (CSI)	06.07.2020 to 10.07. 2020	Faculties, Research Scholar and PG Students	(1) Dr. Manish T I, Professor & Dean, Dept of CSE, ASIET, Kalady.
			(2) Dr. M.G. Sumithra, Professor & HoD, Dept. of ECE, KPR Inst. of Engg. and Technology, Coimbatore.
			(3) Dr. A. Ramya, Assistant professor, Dept. of CA, BSAR CIST
			(4) Dr. J. Nithyashri Professor, Dept. of CSE Prince Shri Venkateshwara Padmavathy Engineering College
			(5) Mr. V. Chandran Assistant Professor, Dept. of ECE, NVIDIA DLI Certified Instructor KPR Institute of Engineering and Technology, Coimbatore

SDP Student development program in collaboration with CSI	30.6.2020	Students	Mr. Ganesh Sankaralingam, Director , Latent View Analytics	
15 days Online Training Programme on Data Science and Machine Learning	19.05.2020 to 04.06.2020	SPDC Students of BSACIST	Mr. Sriram Tadepalli, Codegyan IT Solutions	
TYPE OF PROGRAMME: WORKSHOPS				
Name of the Programme	From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants
2 hours workshop on JavaScript	18.6.2020	IT Industry	Ms. Sathya K S Software Development Engineer, cSoft Tech, Bangalore	310 Students
Designing Dynamic Web Pages	26.6.2021	Academician	Dr.P. Amudhavalli & Dr. A.K.AshfaukAhamed	HSC Students
Fundamentals of Big Data & Hadoop	29.5.2021	IT Industry	Mr. Pavan P Kakathkar, Data Engineer, CISCO Systems, Bengaluru.	UG Students (Internal & External), Faculties (Internal & External)

❖ **Conferences / FDP / Seminars / Workshops Attended**

SI.No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency
1.	Mr. Salman Ayaz	Webinar on machine learning for all.	Webinar	01.07.2020	B.S.Abdur Rahman Institute of Science and Technology, Chennai
2.	DR.S.ShaharBanu	Five days National Level FDP on Innovative Teaching and Learning Process	FDP	09.07.2020-13.07.2020	Meenakshi College of Engineering, Dept of Computer Science & CSI Chapter, Chennai
3.	Dr.S.ShaharBanu	FDP on IoT, Robotics and Data Science	FDP	10.7.2020 - 12.7.2020	PSG Institute of Technology and Applied Research, Dept of CSE, Coimbatore
4.	Mrs. P. Padmavathy	FDP on Developing E-Content for Effective Teaching Learning.	FDP	01.07.2020 - 02.07.2020	Department of Computer Science and Engineering, StJoseph's College of Engineering
5.	Dr.P.Amudhavalli	Build a Basic Application Using Lookup Tool in Excel.	Workshop	01.07.2020	Department of Computer Science and Engineering Central University, Kerala.
6.	Dr. A.K. Reshmy	Webinar on Machine Learning using R.	Webinar	06.07.2020	Department of Computer Science and Engineering, University College of Engineering, BIT Campus, Anna University,

					Tiruchirappalli
7.	Mrs.T. Pandiyavathi	How to transform from traditional teaching mode to effective online teaching with available e-resources: Preparedness.	Workshop	07.07.2020	MHRD's Innovation cell, Delhi
8.	Dr.S. Shahar Banu	Knowledge Representation in Artificial Intelligence	FDP	20.7.2021- 24.7.2021	Sacred Heart College, Dept of Computer Science, Tirupattur.
9.	T. Pandiyavathi	AICTE sponsored 1-week training program in tableau.	Workshop	8.8.2020 - 14.8.2020	ATAL FDP, IFET college of Engineering Villupuram
10.	Dr.S. Shahar Banu	Workshop on Design and Development of E content	Workshop	12.8.2021	B.S.Abdur Rahman Institute of Science and Technology, Chennai
11.	Dr. P. Sheik Abdul Khader	App Development Awareness Program.	Workshop	25.06.2021	B.S.Abdur Rahman Institute of Science and Technology, Chennai
12.	Dr. A.Jaya	Recent Trends in Smart Computing	FDP	8-10-2021 - 22-10-2021	Computer Society of India Pune Chapter and R&D Cell of VIIT
13.	Dr. K. JavubarSathick	Recent Trends in Smart Computing	FDP	8-10-2021 - 22-10-2021	Computer Society of India Pune Chapter and R&D Cell of VIIT
14.	Dr. A. Abdul Azeez Khan	Recent Trends in Smart Computing	FDP	8-10-2021 - 22-10-2021	Computer Society of India Pune Chapter and R&D Cell of VIIT
15.	Ms. P. Padmavathy	Webinar on Online on Abstract Writing for Early Career Researchers (Exclusive training on efficient abstract writing skills)	Webinar	20.05.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai

16.	Dr. A.K. Reshmy	"Effective Writing and Publishing of Research papers in SCI, Scopus, ABDC Indexed Journals	FDP	02.08.2021 - 6.08.2021	Centre of Excellence for Research & Innovation, CT Institute of Engineering, Management and Technology, CT Group of Institutions, Punjab,
17.	Dr. A.K. Reshmy	IT Webinar on "Emerging Trends in AI and Data Science across Business Intelligence".	Webinar	05.06.2021	Computer Applications Department of Institute of Professional Experience and Management, Ghaziabad, UP
18.	Dr. Sowmya V.J.	Webinar on "Test automation with selenium with python".	Webinar	29.05.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai
19.	Dr. Sowmya V.J.	Webinar on "TECHNOLOGY AND INNOVATION".	Webinar	27.6.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai
20.	Ms. T.Pandiyavathi	Webinar on "Test automation with selenium with python".	Webinar	29.05.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai
21.	Ms. T.Pandiyavathi	Quiz on "Computer Fundamentals"	Quiz	26.6.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai
22.	Ms. T.Pandiyavathi	Webinar on "TECHNOLOGY AND INNOVATION".	Webinar	27.6.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai
23.	Dr. V. Shenbagapriya	Webinar on "Test automation with selenium with python".	Webinar	29.05.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai

24.	Dr. V. Shenbagapriya	Webinar on "TECHNOLOGY AND INNOVATION".	Webinar	27.6.2021	B.S.Abdur Rahman Institute of Science and Technology ,Chennai
25.	Dr.A.K. AshfaukAhamed	National Level Webinar on "Innovative Technological Advances in Smart Agriculture".	Webinar	08.06.2021	Department of Computer Science, Sree Narayana Guru College, Coimbatore.
26.	Dr.A.K. AshfaukAhamed	National Webinar on "Cloud Storage Technology and it's Applications".	Webinar	03.06.2021	Department of Commerce (CA/EC/SF) & M.Com (CA), Ayya Nadar Janaki Ammal College, Sivakasi
27.	Dr.A.K. AshfaukAhamed	Webinar on "Internet of things and AI.	Webinar	22.05.2021	Department of Computer Applications, B S AbdurRahman Crescent Institute of Science and Technology.
28.	Dr. A.K. Reshmy	Technology Insights on IoT, ML and Data Science	FDP	18.8.2021 – 28.08.2021	Department of Artificial Intelligence and Data Science, SRM Easwari Engineering College, Ramapuram, Chennai,
29.	Dr.A.K. AshfaukAhamed	National Webinar on " Cyber Forensics & Security".	Webinar	07.05.2021	National Level, G.T.N Arts College & Computational Research Foundation, Chennai
30.	Mr.S.Peer Mohammed	Machine learning applications in Cloud	Webinar	26.5.2021	Journal club SCIMS, BSARCT

	Ziyath	Computing.			
31.	Dr. A.K. Reshmy	AICTE Sponsored National Level Online Faculty Development Programme Phase II on Machine Learning and Artificial Intelligence in Data Science"	FDP	24.05.2021 – 02.06.2021	PACE Institute of Technology & Sciences, Ongole.
32.	Ms. T.Pandiyavathi	AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Industry Oriented FDP on Artificial Intelligence.	FDP	07.06.2021 - 11.06.2021	MSME-Technology Development Centre (PPDC), Meerut
33.	Dr.A.K. AshfaukAhamed	International Faculty Development Program on Industrial Revolution 4.0: Emerging Trends in Information Technology.	FDP	21.05.2021 - 28.05.2021	School of Computer Science, PPG College of Arts and Science, Coimbatore.
34.	Dr. R.Sonia	Two weeks International FDP on The Era of change- Recent advancements of Machine learning in terms of AI and IOT.	FDP	07.12.2021 – 25.07.2021	SRM University
35.	Dr. Sudha Rajesh	Microsoft Azure Virtual training on AI fundamentals.	FDP	14.05.2021	Microsoft
36.	Dr.A.K. AshfaukAhamed	Build a Face Recognition Application Using Python	Workshop	25.04.2021	AI For India 1.0 and initiative by GUVI in association with AICTE and Buddi.ai.
37.	Dr.A.K. AshfaukAhamed	Microsoft Azure Virtual training on AI fundamentals	Workshop	14.05. 2021	Microsoft

38.	Mr.S.Peer Mohammed Ziyath	Industry Perspective Data Science	Workshop	02.07.2021 – 03.07.2021	CL Acdemia Connect
39.	Dr. V.Prasanna	IEEE Sponsored National workshop on Research Methodology	Workshop	02.06.2021 - 04.06. 2021	Annai Vailankanni College of Engineering, Kanyakumari
40.	Dr. R. Sonia	Workshop On Cyber forensics	Workshop	05.05.2021 - 07.05.2021	NITTR
41.	Dr. R. Sonia	IEEE Sponsored National workshop on Research Methodology	Workshop	02.06.2021 - 04.06.2021	Annai Vailankanni College of Engineering, Kanyakumari
42.	Dr. R. Sonia	Microsoft Azure Virtual training on AI fundamentals	Workshop	14.05.2021	Microsoft
43.	Dr. R. Sonia	TNSCST National level workshop on Intellectual property rights regime and its impact	Workshop	25.05.2021	TNSCT
44.	Dr. A.K. Reshmy	Energy Performance Prediction of Residential Buildings Using Non-Linear Machine Learning Technique, 4th International Conference on Innovative Computing and Communication (ICICC-	Conference	20.02.2021 -21.02.2021	University of Delhi, in association with National Institute of Technology, Patna, India and University of Valladolid, Spain

		2021).			
45.	Dr. V J Sowmya	Presented a research paper titled Augmented Reality influences and challenges in diversified fields" Virtual 2nd International Conference on Recent Advances in Computing and Communication.	Conference	28.05.2021	Jain College
46.	Ms. T.Pandiyavathi	Presented a research paper titled Augmented Reality influences and challenges in diversified fields" Virtual 2nd International Conference on Recent Advances in Computing and Communication-28th May 2021	Conference	28.05.2021	Jain College
47.	Dr.S.ShaharBanu	International Colloquium on Business Management and Innovation ,July2021	Conference	28.07.2021	AJK College of Arts and Science,Coimbatore
48.	Dr. V. Shenbagapriya	Presented a research paper titled Augmented Reality influences and challenges in diversified fields" Virtual 2nd International Conference on Recent Advances in Computing and Communication-28th May 2021	Conference	28.05.2021	Jain College
49.	Dr.R.Sabin Begum	Semantic Intelligence	FDP	21.07.2021	AICTE

				- 25.07.2021	
50.	Dr.R.Sabin Begum	Data Science	FDP	09.08.2021 - 13.08.2021	AICTE
51.	Dr.R.Sabin Begum	Foundation of Data Science	FDP	26.07.2021 - 30.07.2021	AICTE
52.	Dr. Peer Mohamed Ziyath S	Blockchain and its Applications	FDP	21.09.2021 - 25.09.2021	AICTE

❖ **Papers Published/ Presented in Journals & Conferences (Total Numbers Only) (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	8	10	-	-	20	8	46

❖ **Details of publication in National & International Journals & Conferences:
International Journal & National Journal**

1. Muruges S., Jaya A. An integrated approach towards automated software requirements elicitation from unstructured documents. *Journal of Ambient Intellegient Humanized Computig* 12, 3763–3773 (2021). <https://doi.org/10.1007/s12652-019-01667-7>
2. K.JavubarSathick, Mrs.Akila Devi .T.R , Dr.A.AbdulAzeez Khan, Dr.L.Arun Raj “A Novel Framework Using Zero Shot Learning Technique for a Non-Factoid Question Answering System” *International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)*” Vol.16 , Issue 6, Page 1-13, January 2021.
3. Shaikh Abdul Waheed, Dr. P. Sheik Abdul Khader, Dr. Abdul Azeez Khan, Dr.Javubar Sathick. “Feature extraction from behavioral styles of children for prediction of severity of stuttering using historical stuttering data”, *International Journal of Speech Technology*. pp: 1 – 13 DOI: 10.1007/s10772-021-09868-2, June 2021.
4. Ayaz A.S., Venkat J.A., & Gulzar, Z. (2020). Recommendation-Based Meta-Search Engine for Suggesting Relevant Documents Links. *International Journal of Information and Communication Technology Education (IJICTE)*, 16(4), 86-99. <http://doi.org/10.4018/IJICTE.2020100106>.
5. A. Salman Ayaz, , A. Jaya and Zameer Gulzar, Multi-kernel learning-based recommender system using adaptive neuro-fuzzy inference system, *International Journal of Intelligent Enterprise*, Vol 8. No.4, pp 425 – 435, July 2021.
6. Rahmann, W., & Ansari, G. A. (2021). Ensemble techniques-based software fault prediction in an open-source project. In *Research Anthology on Usage and Development of Open-Source Software* pp. 693-709. IGI Global.
7. Padmavathy, P., S. PakkirMohideen, and Zameer Gulzar. "PMI-based polarity computation for SVM-NN-based sentiment classification from user-generated reviews." *International Journal of Intelligent Unmanned Systems* (2021).
8. Tawseef Ahmad Naqishbandi, Zameer Gulzar, Aijaz Ahmad Dar & Uroosa Farooq(2021)Understanding Impact of Communication Ban on Mental Health in Conflict Zone:- Experiences from Young Kashmiri Research Scholars,*Journal of Loss and Trauma*,DOI: [10.1080/15325024.2021.1928841](https://doi.org/10.1080/15325024.2021.1928841)
9. S. Sabaria, A.K. Reshmy, P. Amudhavalli, A. Ramya, “Learning Based Facial Aesthetic Prediction Using Wrapper Feature Selection Approach”, *Int. J. of Advanced Science and Technology*, Vol. 29, No. 9s, pp. 6790-6802, 2020

10. J Dhanalakshmi, N Ayyanathan, “A systematic review of big data in energy analytics using energy computing techniques” *Concurrency and Computation: Practice and Experience*, e6647, John Wiley & Sons, Inc.,2021/10/5
11. J Dhanalakshmi N. Ayyanathan, ‘ [State](#) Wise Modeling and Descriptive Analytics with Data Visualization of Indian Southern Power Grid Operation”, *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, Volume12, Issue10, Pages 5931-5944, 28/4/2021.
12. Mrs. A. Radhika, Assistant Professor, Dr. M .Syed Masood, "Effective dimensionality reduction by using soft computing method in data mining techniques”, 25(6), 4643-4651. *International Journal of Soft Computing*, Springer-Verlag Publisher, Germany, part of Springer Nature 2021 , Published online: January 2021.
13. Dr. K.JavubarSathick, Mrs. Akila Devi .T.R , Dr.A.Abdul Azeez Khan, Dr.L.Arun Raj “A Novel Framework Using Zero Shot Learning Technique for a Non-Factoid Question Answering System” *International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)*, Vol.16, Issue 6, Page 1-13, January 2021.
14. Dr. V. Shenbagapriya, Dr. V.J Sowmya, Mrs. T. Pandiyavathi, “Augmented Reality influences and challenges in diversified fields”, *Design Engineering*. (Jun. 2021), Year 2021, Issue: 6, Pages: 1244 – 1251.
15. Dr. V.J Sowmya, Dr. V. Shenbagapriya, Mrs. T. Pandiyavathi, “A Preliminary Study On Developing an Indian Tourism Economy With Statistical Approach Using Emerging Technologies”, *JOURNAL OF EDUCATION: RABINDRABHARATI UNIVERSITY*, Vol: XXIII, No. : 6 (II), 2020– 2021.
16. Ms. T.Pandiyavathi, “A Systematic review on continuous integration with DevOps”, *Design Engineering*. Jun. 2021, pages: 2023 - 2032. Volume 2021, Issue 06
17. Janani, G., Ms. T. Pandiyavathi (2021). Performance Measures of Respiratory Disease Classification using Deep Learning. *International Journal for Research in Applied Science and Engineering Technology*. 9. 884-892. 10.22214/ijraset .2021.35109.
18. Sudha Rajesh and Chandrasekar A., “Evaluation of Quality Attributes of Software Design Patterns Using Association Rules”, *International Journal of Advanced Intelligence Paradigms.*, Vol. 19, Nos. 3/4, pp: 314- 327, July 2021. DOI:10.1504/IJAIP.2021. 10016333.

19. Ms. G. ArunaArumugam and Dr. Sudha Rajesh, "A Comparative Study on Face Mask Detection Using Artificial Neural Network Techniques", *The International Journal of Analytical and Experimental Modal Analysis*, Vol. 12, Issue 7, pp:294-297, July 2021, DOI:18.0002.IJAEMA.2021.V13I7.200001.015685901264.
20. Dr. B. Dhanalakshmi, Mr. Raguraman, Dr. Sudha Rajesh, "Automated Classification of Lung Cancer subtypes with J48 using Weka Tool" *International Journal of Future Generation Communication and Networking*, Vol: 14, No. 1, pp. 237–247, . Feb 2021.
21. Dr. Sudha Rajesh, et.al. "A Study o n Online Spam Review Detection Methods by Machine Learning Approach", *Turkish Journal of Computer and Mathematics Education*, Vol.12 No.9 (2021), pp: 1292-1304, April 2021.
22. Dr. Sudha Rajesh, Sharanya B, "Detection and Prevention of Cyberbullying in Social Media using Classification Algorithms", *Published in Materials Today: Proceedings- Elsevier*, Reference: MATPR19186
23. Dr.K.A.Jayabalaji, Dr. AshfaukAhamed A.K, A Sonya, . Dr. R.Thilagavathy, "Data Analysis And Patent Big Data Analysis In Technology Management Using R Data Language" *Journal of Design Engineering* , Issue: 8, pp: 3965-3975, Year 2021.
24. Dr. AshfaukAhamed A.K, Dr. Ramachandran A, Dr. K.A Jayabalaji, E.K.Subramanian "Secure Routing Protocol for Ad Hoc Networks Using Datagram Transmission Protocol with Reduced Energy Consumption ", *Journal of Huazhong University of Science and Technology*, Vol-50, Issue 04-2021.
25. M.P., RajakumarSonia, R, UmaMaheshwari, B, Karuppiah, S. P, ".Tuberculosis detection in chest X-ray using Mayfly-algorithm optimized dual-deep-learning features". *Journal of X-Ray Science and Technology*.2021, 29. 1-14. 10.3233/XST-210976.
26. M.P., Rajakumar, Ramya, J., Sonia, R., Uma Maheswari,B"Algorithm for constructing deterministic finite automata directly from regular expressions for pattern recognition related problems". *Advances in Mathematics: Scientific Journal*, Vol 9, Issue 9, pp: 6971-6980, 2020.
27. S. Srisakthi&Gufran Ahmad Ansari(2021)PCSP: A Protected Cloud Storage Provider employing light weight techniques, pp 1-12 *Information Security Journal: A Global Perspective*,DOI: 10.1080/19393555.2021.1900465
28. Rajakumar, M.P., Ramya, J., Uma Maheswari, B., Sonia, R (2021), "Novel Scheme for Encryption and Decryption of 3D Point and Mesh Cloud Data in Cloud Computing, *Journal of Control Engineering and applied Informatics*, Vol 23, Issue 1, pp: 93-102, 2021.

International Conference& National Conference:

1. SalliahShaifi, Ansari G.A “Predictions of Diabetes and Diet Recommendation System for Diabetic Patients using Machine Learning Techniques”, *IEEE International Conference on Emerging Technology (INCET)*, Belgaum.
2. SalliahShaifi, Ansari G.A, “Early Prediction of Diabetes Disease and Classification of Algorithm using Machine Learning Approach”, *Proceedings of the International Conference on Smart Data Intelligence (ICSMDI 2021)*
3. Dr. S. Shahar Banu, Analyzing the Cause of Lung Cancer Using K Means Clustering in International Colloquium on Business Management nd Social Innovation, AJK Management of Journal Publications, **ISBN 789391373559**, 26.6.2021.
4. Dr. S. Shahar Banu, Car Price Prediction Using Random Forest Regression Algorithm in International Colloquium on Business Management and Social Innovation, AJK Management of Journal Publications, **ISBN 789391373559**,26.6.2021.
5. Dr. S. Shahar Banu, Online Trading System for Agriculture, in International Colloquium on Business Management and Social Innovation, AJK Management of Journal Publications, **ISBN 789391373559**, 26.6.2021.
6. Dr. S. Shahar Banu, Prediction of Mobile Brand using Machine Learning Technique in International Conference on Artificial Intelligence and its impact of Business Process, AJK Management of Journal Publications, **ISBN 789391373559**.
7. Dr. Abdul Azeez Khan & Dr. JavubarSathick, Malnutrition Detection using Convolutional Neural Network” Seventh International conference on Bio Signals, Images, and Instrumentation (ICBSII), IEEE, March 2021.
8. Dr. Abdul Azeez Khan & Dr. JavubarSathick, Survey on Crime Analysis and Prediction Using Data Mining and Machine Learning Techniques. In *Advances in Smart Grid Technology* (pp. 435-448). Springer, Singapore.
9. P. Rajeswari, K.K. Thyagarajan, V.S. Prabhu, G. Shreedevi, “Denoising X-Ray Image Using Discrete Wavelet Transform and Thresholding “ in *Futuristic Communication and Network Technologies VICFCNT*,Nov. 2020. (Proceeding available in *Futuristic Communication and Network Technologies*, Series title – LNEE SNN).

10. “Dr. Reshmy Energy Performance Prediction of Residential Buildings Using Non-Linear Machine Learning Technique”, International Conference on Innovative Computing and Communication (ICICC-2021), organized by Shaheed Sukhdev College of Business Studies, University of Delhi, in association with National Institute of Technology, Patna, India and University of Valladolid, Spain, **ISBN: 978-981-16-2594-7 / 2597-8**, 20th-21st Feb 2021.
11. Dr. Reshmy, “Semi-Supervised Learning Approach for Detecting Abnormalities in a Cloud Environment”, International Virtual Conference on Smart Advanced Material Sciences and Engineering Applications (IVCSAMSEA 2020), organized by K L University, Guntur, **ISBN: 978-605-14423-1-9**, 03rd to 05th Dec 2020.
12. Dr. Reshmy, “An Adaptive Feature Selection And Classification Techniques For Threat Identification In WSNs”, International Virtual Conference on Smart Advanced Material Sciences and Engineering Applications (IVCSAMSEA 2020), organized by K L University, Guntur, **ISBN: 978-605-14423-1-9**, 03rd to 05th Dec 2020.
13. Dr. Reshmy, “A Learning Based Factorization Approach for Uniform Distribution of Data in M2M Communication,” 2020 International Conference on Computing and Information Technology (ICCIT-1441), Tabuk, Saudi Arabia, pp. 1-6, doi: 10.1109/ICCIT-144147971.2020.9213724, Volume: 02, Issue: ICCIT- 1441, Page No.: 117 – 122, 9th & 10th Sep 2020. **ISBN: 978-93-5407-928-3**, 2020.
14. Dr. Reshmy, “Predictive Modelling for Air Pollution between Coastal and Inland Areas”, International Conference on Computing, Communication and Information Technology (I3CIT 2020), organized by Chennai Institute of Technology, 30th & 31st July 2020.
15. Dr. Sudha Rajesh, “Prediction of Air Pollution Using Supervised Machine Learning”, First International Conference on Recent Trends in Artificial Intelligence, organized by Department of Computer Science & Engineering, at AdiShankara Institute of Engineering and Technology, Kalady, 29th & 30th June 2021.
16. Dr. Sudha Rajesh, “Breast Cancer Detection By Using Supervised Learning Algorithm”, First International Conference on Recent Trends in Artificial Intelligence, Organized by Department of Computer Science & Engineering, at AdiShankara Institute of Engineering and Technology, Kalady, 29th & 30th June 2021.

17. Dr. Sudha Rajesh, “Short-Term Rainfall Using Logistic Regression Algorithm”, First International Conference on Recent Trends in Artificial Intelligence, Organized by Department of Computer Science & Engineering, at AdiShankara Institute of Engineering and Technology, Kalady, 29th & 30th June 2021.
18. Dr. SudhaRajesh, “Digital Crime Reporting System by Using PHP”, First International Conference on Recent Trends in Artificial Intelligence, Organized by Department of Computer Science & Engineering, at AdiShankara Institute of Engineering and Technology, Kalady, 29th & 30th June 2021.
19. Dr. Sudha Rajesh, “Flight Delays Prediction Using Supervised Learning Algorithm”, First International Conference on Recent Trends in Artificial Intelligence, Organized by Department of Computer Science & Engineering, at AdiShankara Institute of Engineering and Technology, Kalady, 29th & 30th June 2021.

❖ **Details of Impact Factor of the Publication and H-Index**

A) Range B) Average C) H-Index D) No. in Scopus

A) Range	0.5 to 13.47
B) Average	743
C) H-Index	13
D) No. in Scopus	9

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Dr.A.Jaya	Prediction of the Stock Market Using Machine Learning–Based Data Analytics	-	42\$	Wiley	Yes
2.	Dr. Sudha Rajesh	Data Problems and Architecture Analysis in Python	300	-	Kalaivani Publications	Yes
3.	Dr. Sudha Rajesh	Chapter: Representation Learning: A Review and New Perspectives	-	-	CRC Press – Taylor and Francis Group	In Print
4.	Dr. Sudha Rajesh	Using Machine Learning and Data Mining to Evaluate Modern Financial Management Techniques	-	-	Springer Nature	In Print
5.	Dr. Ayyanathan	A Dynamic Web Data Extraction from SRLDC (Southern Regional Load Dispatch Centre) and Feature Engineering Using ETL Tool.	-	-	Spring Book Series	In Print

6.	Dr. N. Ayyanathan Dr. Gufran Ahmad Ansari Dr. Venkatesen Selvam	Big Data Analytics for Business Intelligence: Descriptive Case Studies on Smart Tourism in India	500	-	Shanlax Publication India	Available online
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❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1.	The Cognitive Linguistic Model for Literary Analytics		✓		No
2.	A Novel Model for Academic Course Outcome Attainment Assessment Using Machine Learning and Method Thereof		✓		No
3.	Ranking of Students Attentiveness in Class Using Artificial Intelligence and Method Thereof		✓		No
4.	Online System For E-Farming - An Apparatus for Farming and Livestock		✓		No
5.	Artificial Intelligence Based Big Data Analytics Tool for Market Research		✓		No

6.	Multimode Child Tracking and Monitoring System		✓		No
7.	System and Method for Solar Powered Washing Machine for Industrial Purposes		✓		No

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ non-teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr. N. Ayyanathan	Elsevier Reviewer Recognition-2021	The Editors of the Applied Soft Computing, Elsevier Publications	2021
2.	Dr .N. Ayyanathan	Academic Research Contribution	Office of the Dean - Academic Research, BSACIST, Chennai	2021
3.	Dr. V. Shenbagapriya	SCI Journal publication	Research Incentive Award, BSACIST, Chennai	2020
4.	Dr. Gufran Ahmad Ansari	Best Quality Publication Award for the extraordinary commitment in Quality Publication	Office of the Dean - Academic Research, BSACIST, Chennai	2020
5.	Dr. R. Sonia	Asia pacific Excellence Award for the Dynamic Teacher of the Year	Global Education & Research, Belgave	2021
6.	Dr. R. Sonia	Global Eminent Teacher Award for the Outstanding Service in teaching	VIJ Education Trust	2021

❖ **Achievements of Students**

Sl. No.	Name of the student	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Vijay V	Smart Training – Webinar	BSACIST	August, 2021
2.	Mr. Mohamed Adil.S	Internship InAnar App	ANAR	June to September, 2020
3.	Mr.S.Mohamed Akram	Ethical Hacking	Online	August, 2021
4.	Ms. Nafesha	RDBMS Postgresql Training	Spoken Tutorial Project at IIT Bombay	August, 2021
5.	Ms. Nafesha	Python Training	Spoken Tutorial Project at IIT Bombay	August, 2021
6.	Ms. Nafesha	Got First Prize In Technical Symposium	NPSB College	September, 2021
7.	Ms. Nafesha	Participated In Art Contest 2k21	National Youth Council of India	September, 2021
8.	Mr. Sri Vignesh Balaji	Robotic Process Automation (RPA)	BSACIST	August, 2020
9.	Mr. Gokul. R	Quiz R Programing	spoken tutorial	February, 2021
10.	Mr. Mohamed A	Course In Python	Hackerrank	October, 2020
11.	Mr. Mohamed A	Course In Java	Hackerrank	October, 2020
12.	Mr. Mohamed A	Step Into Robotic Process Automation	Guvi Online platform	April, 2020
13.	Ms. Latheefa	Aws Solutions Architect	Fitaacademy, Anna Nagar, Chennai.	November, 2020

14.	Ms. M.Divyalakshmi	Art, Two Prizes in Art Field	Online	May, 2021
15.	Ms. Gunapriya.S	Online Course inUdmey, Digital Marketing	Udmey	August, 2021
16.	Mr. Anthony Siluvai Wins P	Awarded with "Star of Rotaract" for the year 2020 – 2021	BSACIST	June, .2021

❖ **Developmental Activities**

SI. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
Developmental Activities: Students					
1	Coursera	04.08.2021	Gunapriya.S	Knowledge about the course	Job development
2	Fundamentals of Big Data & Hadoop	29.05.2021	All BCA, BSc, MCA students	Career growth and Job opportunity available	More than 100 students participated
3	How to write a Research Article?	05.06.2021	All BCA, BSc, MCA students	Idea to write research paper	More than 50 students participated
4	Career Opportunity & skill development strategies	12.06.2021	UG students	Career Opportunity & skill development strategies	More than 75 students participated
Developmental Activities: Faculty					
5	Faculty Development Programme on Insights of Software Development, Testing and Quality Process in IT industry (CSI)	30.05.2020 to 01.06.2020	All Faculty	To impart knowledge in cutting edge areas of Software Development	More than 35 Faculty Participated

6	5 Days FDP on Digital Image Processing and its Techniques (CSI)	6.07.2020 to 10.07. 2020	All Faculty	To impart knowledge in the area of Digital Image Processing Techniques	More than 45 Faculty Participated
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❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status	Outcome
				Ongoing / Completed	
1.	Dr.Haja Alavudeen, Virtusa	Training	November, 2021	Completed	Faculty certified trainer
2.	Dr. Mohamed Divan Masood, CresBot	Startup	April, 2020	Ongoing	Robo product

❖ **Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	CSI	STTP on Artificial Intelligence and its Impact on Industry 4.0 (Technologies and Solution	16	13	15	Dr. S. Sibi Chakkaravarthy, Cyber Security Consultant Dr. M.P. Selvan, Professor, NIT,	Total of 44 participants has registered and attended this online session. The participants are from the following institutions.	The certificates were distributed to the participants who have 80% of attendance and attended the Technical Quiz

		Methodologies for Real-world Scenarios) 26 – 30 April, 2021				Trichy. Ms. R. Ramakala, IoT Trainer, Skill Technika Mr. Sivaprasath, CEO, Jothna Software Pvt. Ltd., Chennai. Mr. Arshad SarfarzAriff, Senior Technology Architect, Infosys Ltd.	<ul style="list-style-type: none"> • Anna University • B. S. Abdur Rahman Crescent Institute of Science and Technology • Bharati Vidyapeeth Deemed to be University, College of Engineering, Pune • Chennai Institute of Technology • CWC Implementation Indian Chemical Council • DDE, ALAGAPPA UNIVERSITY • Dhanalakshmi Srinivasan Engineering College • Jain University • KoneruLakshmaiah Education Foundation • NIIS Institute Of Business Administration • PBR VITS, Kavali • S V COLLEGE of Engineering • Saveetha School of Engineering, SIMATS • Shree Institute OF 	conducted during the last day of the programme
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							Technical Education <ul style="list-style-type: none"> • SRM Institute of Science and Technology • SSN College of Engineering • Unitar International University • Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology 	
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❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Five days Online Certification Programme on Computer Fundamentals and Data Management	-	70	-	UG and +2 students (External candidates)	30 hrs	Placement and career growth
2	SDP Student development program in collaboration with CSI	-	120	-	UG students	6 hrs	Career growth
3	5 Days FDP on Digital Image Processing and its Techniques (CSI)	35	-	-	Staffs	30 hrs	Career growth

4	Faculty Development Programme on Insights of Software Development, Testing and Quality Process in IT industry (CSI)	35	-	-	Staffs	10 hrs	Career growth
5	Faculty Development Programme on Trending Technologies	100	-	-	Staffs	18 hrs	Career growth
6	15 days Online Training Programme on Data Science and Machine Learning	-	SDGP students	-	SDGP students	60 hrs	Placements







Five Day Online Short Term Training Programme
 on
Artificial Intelligence and its Impact on
INDUSTRY 4.0
(Technologies and Solution Methodologies for Real-world Scenarios)
(26.04.2021 to 30.04.2021)
 Organised by
School of Computer, Information & Mathematical Sciences

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCE

❖ **Conferences / FDP / Seminars / Workshops organized :**

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	National Webinar on Encryption Techniques Through Graph Networks	National Webinar	12.07.2020	-	Dr .J. Baskar Babujee., Associate Professor of Mathematics, MIT Campus, Chennai	22	20	82	23
2	Business Application of Deterministic & Stochastic Transportation Models	Webinar	08.08.2020	-	Dr.P.Mariappan, Head, Department of Mathematics & Actuarial Science, Bishop Heber College, Trichy	25	10	20	9
3	Webinar series on Math for Data Science	Webinar	19.09.2020 & 20.09.2020	-	Dr. Madhavan Mukhund, Deputy Director & Dean of Studies, Chennai Mathematical Institute, Chennai	24	50	31	46
4	Career Prospects for Actuarial Aspirants	Webinar	20.11.2020	-	Mr. Harsh Jaitak, Actuarial & Risk Management Analyst,	20	20	20	10

					Kuwait Reinsurance				
5	Growing with Numbers-Actuarial Profession	Webinar	18.03.2021	-	Ms. Nileema Somani, Senior Associate, Actuarial PwC Ireland	21	18	09	10

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Dr. R. Shenbagam	Astute Efflux Trends in Mathematics	Online FDP	02.07.2022 – 07.07.2020	Mathematics and Mechanical Engineering SNS College of Engineering, Coimbatore.	-
2	Dr. Syed Siddiqua Begum	Mathematical Modelling On Infectious Disease	National Webinar	06.07. 2020	Department of Humanities and sciences in association with Institution's Innovation council REC, Chennai	-
3	Dr. A. Bernick Raj	Moodle Learning Management System	Online FDP	02.07.2020 – 08.07. 2020	PG Department of Computer Science, Government Arts and Science, Thiruvannainallur, Tamil Nadu in association with spoken tutorial IIT Bombay, MHRD, Government of India	-

4	Dr. T.R. Ramesh Rao; Dr. P. Arathi	Two Weeks Live Online FDP on Applications of Model LMS and earning competency of Gnomio Moodle creation for OBE	Online FDP	11. 07.2020 – 25.07.2020	B S Abdur Rahman Crescent Institute of Science and Technology, Chennai, Chennai	-
5	Dr. A. Manshath	Six Days FDP on Applications of Mathematics in Engineering	FDP	20. 07.2020 – 25.07.2020	Department of Mathematics, KPR Institute of Engineering and Technology, Arasur, Coimbatore, Tamil Nadu.	-
6	All faculty members of the Department of Maths & AS	National Webinar on Encryption Techniques Through Graph Networks	National Webinar	12. 07.2020	Dept. of Maths & AS, BSACIST, Vandalur, Chennai	-
7	Dr. Syed Siddiqua Begum	Development of Fuzzy Inventory Models	National Webinar	12.07.2020	. Department of Mathematics, Mahendra College of Engineering, Salem	-
8	Dr.P. Arathi	Teaching to Transforms	Webinar	18.07. 2020	Department of Automobile Engineering; Easwari Engineering College, Chennai-	-
9	Dr. Sindhu J Kumar	Online Divulge on UI/UX Design	Webinar	26.07.2020	Crescent Technocrats Club; B S Abdur Rahman Crescent Institute of Science and Technology, Chennai, Chennai	-
10	Dr. A. Bernick Raj	Machine Learning approach for biological experimental data analysis: the case of lab-on-chip applications	National Webinar	28.07.2020	Department of Computer Applications, B S Abdur Rahman Crescent Institute of	-

					Science & Technology	
11	Dr. R. Shenbagam	Applicable Mathematical Tools in Science and Engineering	National Webinar	30.07.2020	Department of Mathematics (Shift – II), Guru Nanak College (AUTONOMOUS), Velachery, Chennai-42	-
12	Dr. R. Shenbagam	Neutrosophic Sets	International Webinar	03.08.2020 – 04.8.2020	Department of Mathematics, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam	-
13	Dr. A. Bernick Raj, Dr. R. Shenbagam, Dr. Syed Siddiqua Begum	Business Application of Deterministic & Stochastic Transportation Models	National Webinar	08.08.2020	Department of Mathematics & Actuarial Science, BSACIST, Vandalur, Chennai.	-
14	Dr. T.R. Ramesh Rao, Dr. C.D. Nanda Kumar, Dr. A. Bernick Raj, Dr. R. Shenbagam, Ms. A. Sagaya Suganya	Training Program on Crescent LMS for Faculty Members	Online TP	04.08. 2020	Office of Data Centre and the office of Dean, Academic Affairs, BSACIST, Vandalur, Chennai.	-
15	Dr. R. Shenbagam	Fixed Point Theory and its Applications	Online FDP	08.08.2020 – 09.08. 2020	Department of Mathematics, St. Joseph's College of Engineering, Chennai -119.	-
16	Dr. T.R. Ramesh Rao	Stochastic Modelling, Optimization and Soft	E-Workshop	10.08.2020 –	Department of Mathematics & Statistics, School of Basic	-

		Computing		14.08. 2020.	Sciences, Manipal University Jaipur	
17	Mr. J. Ravinder, Dr. Syed Siddiqua Begum, Ms. A. Sagaya Suganya	Online Workshop on Design and Development of E-Content	Online Workshop	12.08. 2020.	Center for Innovation in Teaching and Learning, Office of Dean (AA), BSACIST, Vandalur, Chennai-48	-
18	Dr. A. Bernick Raj	Android app using Kotlin	Online FDP	10.08.2020 – 16.08. 2020.	B S Abdur Rahman Crescent Institute of Science and Technology, Chennai, Chennai	-
19	Dr. T.R. Ramesh Rao	1st International Conference International Conference On Advances in Mathematics, Science and Technology (ICAMST-2020), DEPARTMENT OF MATHEMATICS Rajiv Gandhi University (A Central University) Rono Hills, Doimukh – 791112, Arunachal Pradesh, INDIA	International Conference	01.09.2020 – 03.09.2020	Department of Mathematics, Rajiv Gandhi University (A Central University) Rono Hills, Doimukh – 791112, Arunachal Pradesh, india	-
20	Dr. T.R. Ramesh Rao	International Conference on Present Scenario of Mathematical Sciences (ICPSMS 2020 – Virtual) Department of Mathematics, Karnatak University's Karnatak Arts College, Dharwad, Karnataka, India	International Conference	12.09.2020 – 13.09. 2020	Department of Mathematics, Karnatak University's Karnatak Arts College, Dharwad, Karnataka, India	-

21	Dr. T.R. Ramesh Rao	International Conference on Discrete and Applied Mathematics (ICDAM 2020) organized by the Centre for Studies in Discrete Mathematics (CSDM), Vidya Academy of Science and Technology, Thrissur, Kerala, India, in association with Kerala Mathematical Association (KMA).	International Conference	18.09.2020-19.09. 2020	Centre for Studies in Discrete Mathematics (CSDM), Vidya Academy of Science and Technology, Thrissur, Kerala, India, in association with Kerala Mathematical Association (KMA).	-
22	Dr. T.R. Ramesh Rao	International Conference on Recent Trends in Theoretical and Applied Statistics, Department of Statistics, Dibrugarh University, Dibrugarh, Assam.	International Conference	18.09.2020-20.09. 2020	Department of Statistics, Dibrugarh University, Dibrugarh, Assam.	-
23	Ms. Rubeena Khaliq, Mr. Pervaiz Iqbal, Mr. Aadil Rashid Mr. Sheergojri, Mr. Ather Aziz Raina Ms. Lubna Shafi	Online International Conference on Recent Advances in Computational Mathematics & Engineering, organized by Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India).	International Conference	19.03.2021 – 21.03.2021	Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India).	-
24	Mr. Aadil Rashid Mr. Sheergojri, Mr. Pervaiz Iqbal, Ms. Rubeena Khaliq	Online International Conference on Recent Advances in Computational Mathematics & Engineering,	International Conference	19.03.2021 – 21.03.2021	Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani,	-

	Ms. Lubna Shafi	organized by Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India).			Rajasthan (India).	
25	Ms. Lubna Shafi Mr. Pervaiz Iqbal, Mr. Aadil Rashid Mr. Sheergojri, Ms. Rubeena Khaliq,	Online International Conference on Recent Advances in Computational Mathematics & Engineering, organized by Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India).	International Conference	19.03.2021 – 21.03. 2021	Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India).	-
26	Dr. A. Manshath	International Conference On Recent Advancements In Mathematics (ICRAM-2021), PG And Research Department Of Mathematics, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu	International Conference	09.04.2021- 10.04. 2021	Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu	-
27	Mr. J Leo, Dr. S Srinivasan Dr. C.D.Nandakumar	Heber International Conference on Applied Mathematics, HICAM 2021, ISBN: 9788194816034, pp.44.	International Conference	26.04.2021	Department of Mathematics, Bishop Heber College [Autonomous]. Tiruchirappalli 620 017.	-
28	Mr. K. Kapil Raj, Dr. S. Srinivasan Dr.	Heber International Conference on Applied Mathematics, HICAM 2021,	International Conference	26.04.2021	Department of Mathematics, . Bishop Heber College	-

	C.D.Nandakumar	ISBN:9788194816034, pp.43.			[Autonomous]. Tiruchirappalli 620 017.	
29	Ms. Rubeena Khaliq, Mr. Pervaiz Iqbal, Mr. Aadil Rashid Mr. Sheergojri Ms. Lubna Shafi	2nd Virtual International Conference on Naturopathy, Nanotechnology and Immunotherapy in Cancer Research – 2021 (ICN3IC-21), Organized by Association of Cancer Education and Research (ACER), School of Life Sciences. B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India in association with Purdue University, USA and sponsored by Tamil Nadu State Council for Science & Technology (TNSCST) and Microbiologist Society, India (MSI).	International Conference	11.06.2021 – 12.06.2021	Association of Cancer Education and Research (ACER), School of Life Sciences. B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India in association with Purdue University, USA and sponsored by Tamil Nadu State Council for Science & Technology (TNSCST) and Microbiologist Society, India (MSI).	-
30	Mr. J. Ravinder	Creating Researcher Profile For Enhancing Visibility And Impact and Conducting Researcher Evaluation	Webinar	10.09.2020	CISCO Webex	-
31	Mr. J. Ravinder	Tools available for disambiguation of authors and institutions (Researcher ID and ORCID) and intro to ESCI, Kopernio and EndNote	Webinar	15.09.2020	CISCO Webex	-

32	All faculty members of the Department of Maths & AS	Webinar Series on Math for Data Science	Webinar	19.09.2020 -20.09.2020	Department of Mathematics & Actuarial Science, BSACIST, Vandalur, Chennai	-
33.	Dr.P.S.Sheik uduman	DBT's autonomous covid 19 (PART III)	Webinar	16.10.2020	DBT (India Alliance)	-
34	Dr. C.D. Nanda Kumar, Dr. Pervaiz Iqbal	Career Prospects for Actuarial Aspirants	National Webinar	20.11.2020	Department of Mathematics & Actuarial Science, BSACIST.	-
35	Dr. A. Manshath	National Workshop on "Outcome Based Education".	National Workshop	21.01. 2021	Department of Mathematics, School of Basic Sciences, VELS Institute of Science, Technology and Advanced Studies(VISTAS)	-
36	Dr. Syed Siddiqua Begum	Two Days Online Workshop on LaTeX	Workshop	27.05.2021-28.05. 2021	School of Advanced Sciences, Academic Staff College, VIT, Chennai.	-
37	Dr.P.Arathi	An Inventory Model with Pareto Distribution Deterioration with Weibull Demand Rate and Time-Dependent Shortages	Conference	4.06.2021 – 05.06.2021	SRM Institute of Technology (Deemed to be University), Delhi-NCR Campus, Ghaziabad	-
38	Dr. Pervaiz Iqbal	Five days National Level Faculty Development Programme on, "Applications of Mathematics and Statistics"	National FDP	24.03.2021 – 29.03. 2021	Department of Mathematics, Vivekanadha College of Technology for Women, Tiruchengode, Namakkal, Tamil Nadu,	-

					India.	
39	Dr. T.R. Ramesh Rao	Short Term Course on "Computational Fluid Dynamics and its Applications"	Short Term Course	26.03.2021-31.03.2021	QIP Center, Department of Mechanical Engineering , IIT Indore	-
40	Dr. A. Manshath	Data Science	FDP	19.04.2021 – 30.04. 2021	E & ICT Academy, IIT Kanpur	-
41	Dr. A. Manshath	Six Days STTP on Innovative Tools for Mathematics	FDP	3.05.2021-08.05. 2021	Hindustan College of Engineering and Technology, Valley Campus, Pollachi Highway, Coimbatore, Tamil Nadu.	-
42	Dr. Syed Siddiqua Begum	Strategic Resilience and Organization Agility	FDP	26.05.2021 – 31.05. 2021	Vallur College of Science and Management, Karur, Tamil Nadu.	-
43	Dr. A. Manshath	One week International FDP on Applicable Mathematics and Programming in Science and Technology	FDP	07.06.2021-12.06. 2021.	Department of Mathematics, Mohamed Sathak A. J. College of Engineering, Siruseri IT Park, Chennai.	-
44	Dr. Mahadev Ota,	"Actuarial Science Applications"	AICTE FDP	14.06.2021-18.06.2021	AICTE Training And Learning (ATAL) Academy, Delhi	-
45	Dr. Syed Siddiqua Begum	National Level FDP on Graph Theory	FDP	29.06.2021 – 03.06. 2021	Department of Science (in Collaboration with IQAC), Christ College of Science and Management, Karnataka.	-

46	Dr. A. Sagaya Suganya	Artificial Intelligence and its Impact on Industry 4.0	STTP	26.04.2021-30.04. 2021	School of Computer, Information & Mathematical Sciences, B. S. Abdur Rahman Crescent Institute of Science & Technology	-
47	Dr. Pervaiz Iqbal	One Month Live Online Training on MATLAB and LATEX	Training Programme	10.04.2021-12.05.2021	Aacharya Online Search Platform	-
48	Dr. C.D. Nanda Kumar,	Academic Integrity and the Role of the Similarity Report	Webinar	23.04.2021	Turnitin Online on Campus, Noida, India.	-
49	Dr. A. Manshath	Overview on Challenges and Prospects of Online Teaching in Higher Secondary School Education During COVID-19.	Webinar	12.06. 2021	Department of Mathematics, Karunya Institute of Technology and Science, Tamil Nadu.	-

❖ **Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
8	-	14	-	-	-	18	12	52

❖ **Details of Publication in National & International Journals & Conferences:**

International Journal & National Journal

- **SCI/Scopus Indexed Journal - 18**
- **Other journals - 12**

International Journals:

1. M.Priya, A.Jaya, and **C.D.Nandakumar**, “An understanding of Crowd Sourcing Techniques in Agriculture: A Survey”, *International Journal of TEST Engineering and Management*, vol. 83, pp. 25268-25272, **2020**.
2. **Mahadev Ota,S.Srinivasan, C.D.Nandakumar** and Khalid Waheed, “Manufacturer optimal stock requirement and production rate to maximise the expected profit during peak time”, *International Journal of Procurement Management*, vol. 13, pp. 257-277, **2020**.
3. M. Joice Punitha, A.**Sagaya Suganya** and S. K. Sriram Kalyan, “Computational Game Theory Model for Adhoc Networks”, *Solid State Technology*, vol.63, pp. 1816-1829, **2020**.
4. Abid A. Mohammed and T. R. Ramesh Rao, “Dominator Coloring Changing and Stable Graphs upon Vertex Removal”, *The Journal of Combinatorial Mathematics and Combinatorial Computing (JCMCC)*, vol. 112, pp. 103-114, **2020**.
5. S.Sudhakar, A. **Manshath,V. Balaji**, “Non-Existence Of Skolem Mean LabelingFor Four Star Graphs”, *Advances in Mathematics: Scientific Journal*, vol.9, pp. 691-698, **2020**.
6. P. Hariprabakaran, **Manshath, V. Swathy** and V. Balaji, “Coding Techniques Through Two Star Graphs And Mean Labeling”, *Advances in Mathematics: Scientific Journal*, vol. 9, pp . 3369-3377, **2020**.
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10. **Pervaiz Iqbal**, Rubeena Khaliq, Asif Yousuf Wani, Aadil Rashid Sheergojri and Imran Nadeem, “Delineating the Impact of Various Strategies on Covid-19 in Jammu and Kashmir: An Interview Based Study”, *Wesleyan Journal of Research*, vol.3, pp.396-401, **2020**.

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12. Virendar Panwar, **P.S. Sheik Uduman** (2020), Uniqueness and existence of solutions for Mixed Immunotherapy and Chemotherapy cancer treatment fractional model with Caputo Fabrizio derivative, *Progress in Fractional Differentiation and Applications An International Journal (accepted)* 10.18576/pfda/PFDA-39A-19, 15 Aug, **2020**.
13. Nadeem, Imran, Ashiq M. Ilyas, and **PS Sheik Uduman**, "Analyzing and forecasting ambient air quality of Chennai city in India", *GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY* 13.3, pp: 13-21, **(2020)**.
14. Rubeena Khaliq, **Pervaiz Iqbal**, Aadil Rashid Sheergojri, Aashiq Mohd Ilyas and Asif Yousuf Wani, "Covid-19 Forecasting using Arima Model: A Special Reference to Jammu and Kashmir", *Wesleyan Journal of Research*, vol.3, pp.364-374, **2020**.
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19. J Leo, **S. Srinivasan and C.D. Nandakumar**, "An Economic Impact of Covid-19 in India", *International Journal of Aquatic Science*, vol.12, pp. 1360-1366, **2021**.

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25. Aadil Rashid Sheergojri, **Pervaiz Iqbal** and Rubeena Khaliq, “Forecast Of Confirmed, Recovered And Deceased Covid-19 Cases Of Tamil Nadu, India Using Arima Model”, *Wesleyan Journal Of Research*, vol. 14, pp. 281-300, **2021**.
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27. S.Sindhuja and **P.Arathi**, “An Economic Order Quantity Model for Pareto Distribution Deterioration with Linear Demand under Linearly Time-Dependent Shortages”, *European J. of Industrial Engineering*, *Accepted*, **2021**.
28. Aadil Rashid Sheergojri, **Pervaiz Iqbal** and Rubeena Khaliq, “Demographic Profile of Colorectal Carcinoma in Kashmir Based on TNM Staging Status”, *Journal of World Journal of Engineering Research and Technology*, vol.7, pp. 294-300, **2021**.

29. Aadil Rashid Sheergojri, **Pervaiz Iqbal** and Ashiq Mohd Ilyas, “Cancer Growth Inhibition Using Predictive Mathematical Models of Signaling Pathways”, *International Journal of Statistics an Medical Research*, vol. 10, pp.132-135, **2021**.
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International Conference & National Conference:

- **Conference with ISBN Proceedings - 14**
- **Other Conferences - 8**

International Conference/ National Conference:

1. T.R. Ramesh Rao, “Equation Arising in the Pattern Formation in Liquid Drops”, *3rd International Conference on Mathematical Modeling, Applied Analysis and Computations – 2020 (ICMMAAC-20)*, Department of Mathematics, Faculty of Science JECRC University, Jaipur, Rajasthan, India, Aug 7-9, 2020.
2. T.R. Ramesh Rao, “Computational method for solving nonlinear Chemistry problem”, *1st International Conference International Conference On Advances in Mathematics, Science and Technology (ICAMST-2020)*, Department of Mathematics Rajiv Gandhi University (A Central University) Rono Hills, Doimukh – 791112, Arunachal Pradesh, India, Sep 1-3, 2020.
3. T.R. Ramesh Rao, “Exact solution of nonlinear Volterra integral Equations”, *International Conference on Present Scenario of Mathematical Sciences (ICPSMS 2020 – Virtual)* Department of Mathematics, Karnatak University’s Karnatak Arts College, Dharwad, Karnataka, India, Sep 12-13, 2020.
4. T.R. Ramesh Rao, “Numerical study of Sine Gordon equation using Sumudu Homotopy Perturbation transform Method”, *International Conference on Discrete and Applied Mathematics (ICDAM 2020)*, organized by the Centre for Studies in Discrete Mathematics (CSDM), Vidya Academy of Science and Technology, Thrissur, Kerala, India, in association with Kerala Mathematical Association (KMA), Sep 18-19, 2020.

5. T.R. Ramesh Rao, "Appropriate Analytical Method for Solving Time Fractional Coupled Burger Equation", *International Conference on Recent Trends in Theoretical and Applied Statistics*, Department of Statistics, Dibrugarh University, Dibrugarh, Assam, Sep 18-20, 2020.
6. Pervaiz Iqbal, Rubeena Khaliq, Aadil Rashid Sheergojri and Lubna Shafi, "COVID-19 Reported Cases in Kashmir: Prediction using Time Series Analysis", *1st National Conference Titled 'Recent Trends in Science & Technology (RTST-2020)*, organized by Department of Applied Sciences Faculty of Engineering & Technology Manav Rachna International Institute of Research & Studies, Faridabad HARYANA, India, Nov 21, 2020.
7. Pervaiz Iqbal, Rubeena Khaliq and Aadil Rashid Sheergojri, "Assessment of COVID-19 Strategies in Jammu & Kashmir - An Interview based Study", *National Conference on "Trends In Biopharmaceutics 2020* organized by School Of Life Sciences, Department Of Biochemistry, VELS Institute of Science, Technology and Advanced Studies (VISTAS), Nov 27, 2020.
8. Rubeena Khaliq, Pervaiz Iqbal and Aadil Rashid Sheergojri, "Mathematical Models of the Rising Process of Cancer: A Review", *1st National Conference Titled 'Recent Trends in Science & Technology (RTST-2020)*, organized by Department of Applied Sciences Faculty of Engineering & Technology Manav Rachna International Institute of Research & Studies, Faridabad HARYANA, 21st Nov, 2020.
9. Aadil Rashid Sheergojri, Pervaiz Iqbal and Rubeena Khaliq, "Chemotherapy Effect and its Estimation on Cancer Cells by Mathematical Modeling", *1st National Conference Titled 'Recent Trends in Science & Technology (RTST-2020)*, organized by Department of Applied Sciences Faculty of Engineering & Technology Manav Rachna International Institute of Research & Studies, Faridabad Haryana, India, 21st Nov, 2020.
10. Rubeena Khaliq, Pervaiz Iqbal and Aadil Rashid Sheergojri, "Cancer Diagnosis System using Fuzzy Logic Method: A Review", *National Conference on "Trends In Biopharmaceutics 2020"* organized by School Of Life Sciences, Department Of Biochemistry, VELS Institute of Science, Technology and Advanced Studies (VISTAS), 27th Nov. 2020.
11. Aadil Rashid Sheergojri, Pervaiz Iqbal and Rubeena Khaliq, "A Cross-Talk of Cancer and Depression - Short Review", *National Conference on "Trends In Biopharmaceutics 2020"* organized by School Of Life Sciences, Department Of Biochemistry, VELS Institute of Science, Technology and Advanced Studies (VISTAS), 27th Nov. 2020.

12. Lubna Shafi, Pervaiz Iqbal and Rubeena Khaliq, "Cancer Burden in Indian States - A Data Analysis using Statistical Techniques", *1st National Conference Titled 'Recent Trends in Science & Technology (RTST-2020)*, organized by Department of Applied Sciences Faculty of Engineering & Technology Manav Rachna International Institute of Research & Studies, Faridabad HARYANA, India, 21st Nov. 2020.
13. Lubna Shafi, Pervaiz Iqbal and Rubeena Khaliq, "Comparison of various Models on Cancer Incidence Rate and Forecasting – A Review", *National Conference on "Trends In Biopharmaceutics 2020"* organized by School Of Life Sciences, Department Of Biochemistry, VELS Institute of Science, Technology and Advanced Studies (VISTAS), 27th Nov. 2020.
14. P.Arathi, "An Inventory Model with Pareto Distribution Deterioration with Weibull Demand Rate and Time-Dependent Shortages", SRM Institute of Technology (Deemed to be University), Delhi-NCR Campus, Ghaziabad, 4-5 June 2021.
15. Rubeena Khaliq, Pervaiz Iqbal, Aadil Rashid Sheergojri, Ather Aziz Raina and Lubna Shafi, "Mathematical Forecasting Models for Analyzing COVID-19 - A Review", *Online International Conference on Recent Advances in Computational Mathematics & Engineering*, organized by Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India), 19th - 21st, Mar. 2021.
16. Aadil Rashid Sheergojri, Pervaiz Iqbal, Rubeena Khaliq and Lubna Shafi, "A Review of Deterministic and Stochastic Modes of Tumor Growth", *Online International Conference on Recent Advances in Computational Mathematics & Engineering*, organized by Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India), 19th - 21st, Mar. 2021.
17. Lubna Shafi, Pervaiz Iqbal, Aadil Rashid Sheergojri and Rubeena Khaliq, "An Overview of Various Time Series Models for Forecasting Cancer Incidence", *Online International Conference on Recent Advances in Computational Mathematics & Engineering*, organized by Department of Applied Sciences & Humanities, B K Birla Institute of Engineering & Technology Pilani, Rajasthan (India), 19th - 21st, Mar. 2021.
18. A. Manshath, "Further Results On Skolem Mean Graphs", *International Conference On Recent Advancements In Mathematics (ICRAM-2021)*, PG And Research Department Of Mathematics, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, 9-10th April. 2021.
19. J Leo, S Srinivasan and C.D.Nandakumar, "Survival Analysis of The People Living in Tamil Nadu During Covid – 19", Heber International Conference on Applied Mathematics, HICAM 2021, ISBN: 9788194816034, pp.44, April 26, 2021.

20. K. Kapil Raj, S. Srinivasan and C.D.Nandakumar, “Application of Two – Stage DEA in analyzing the Performance efficiency of Public Sector General Insurers in India”, *Heber International Conference on Applied Mathematics*, HICAM 2021, ISBN:9788194816034, pp.43, April 26, 2021.
21. Rubeena Khaliq, Pervaiz Iqbal, Aadil Rashid Sheergojri and Lubna Shafi, “A Mathematical Model for Tumor Growth with Allee Effect under the Fuzzy Environment”, *2nd Virtual International Conference on Naturopathy, Nanotechnology and Immunotherapy in Cancer Research – 2021 (ICN3IC-21)*, Organized by Association of Cancer Education and Research (ACER), School of Life Sciences. B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India in association with Purdue University, USA and sponsored by Tamil Nadu State Council for Science & Technology (TNSCST) and Microbiologist Society, India (MSI), 11th - 12th, Jun. 2021.
22. Lubna Shafi, Pervaiz Iqbal, Aadil Rashid Sheergojri and Rubeena Khaliq, “Various Mathematical Models of Tumor Treatment- A Review”, *2nd Virtual International Conference on Naturopathy, Nanotechnology and Immunotherapy in Cancer Research – 2021 (ICN3IC-21)*, Organized by Association of Cancer Education and Research (ACER), School of Life Sciences. B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India in association with Purdue University, USA and sponsored by Tamil Nadu State Council for Science & Technology (TNSCST) and Microbiologist Society, India (MSI), 11th - 12th, Jun. 2021.

❖ **Details of Impact Factor of The Publication and H-Index**

A) Range : B) Average: C) H-Index: D) No. In Scopus

Scopus		Web of Science	
h-index	12	h-index	10
Citations	657	Citations	444
Avg. SNIP	0.611	Avg. IF	1.614

❖ **Sponsored Research (Applied): 01**

Sl. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1.	Dr. P.S. Sheik Uduman	DST-SERB	Validation of Fuzzy Fractional Order Predator - Prey Model to Predict the time of Hypertension during Pregnancy	-	-	-	-	Proposal is in-order and under consideration for further processing.

❖ **Achievements of Staff:**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Dr. Mahadev Ota	Ph.D. Degree	B.S. Abdur Rahman Crescent Institute of Science & Technology,	October, 2020
2	Dr. A.Sagaya Suganya	Ph.D. Degree	University of Madras	March, 2021

SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

❖ Value Added Programmes Started

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Python Programming	August to December 2020	45	IIT Bombay	22 (B.Tech. EEE III Year)	-	-
2	Python Programming	August to December 2020	45	IIT Bombay	22 (B.Tech. EEE Part Time)	-	-
3	Aurdino	August to December 2020	45	IIT Bombay	31 (B.Tech. EEE, IV Year)	-	-
4	Aurdino	January to May 2021	45	IIT Bombay	22 (B.Tech. EEE, Part Time)	-	-
5	Aurdino	January to May 2021	45	IIT Bombay	22 (B.Tech. EEE, III Year)	-	-
6	eSim	January to May 2021	45	IIT Bombay	54 (B.Tech. EEE, II Year)	-	-

❖ **Training Programmes Offered**

SI. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Energy, Oil & Gas Conservation– Saksham 2021	09.02.2021	7 hrs	Energy & Fuel Users Association of India,	65	5	--

❖ **Conferences / FDP / Seminars / Workshops Organized**

SI. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST	Other Institution		
						Faculty	Students	Faculty	Students
1	“Electric Vehicle and its Scenario in India”	Three Day STTP	01.7.2020 - 03.7.2020	--	Dr. C. Sharmeela, Associate Professor / EEE, Anna University, Guindy, Chennai Dr. S. Logeshkumar, Consultant for EV, Coimbatore	25	09	157	34

2	“Distribution of Power From Practical Perspective”	Online Webinar	18.07.2020	-	Dr. Mohamed Ismail (Alumnus EEE), Manager-HV Distribution, Power Division, Dubai Electricity and Water Authority (DEWA)	7	19	30	17
3	"Embedded C"	AICTE sponsored Skill and Personality Development Programme Centre (SPDC) of our Institution	29.03.2021 - 10.04.2021	Pantech Solutions	Pantech Solutions	40	5	10	10
4	“Power System Analysis through ETAP”	Alumni Webinar	17.07.2020	Department of EEE, BSACIST and Office of Alumni Relations.	Alumnus (M.E PSE-2004 Batch) Dr. T.Adhi Narayanan, Lead Electrical Engineer, Petrofac International Ltd., UAE.	6	25	10	30

5	“Design and Sizing of Cables and Motors”	Alumni Webinar	3.07.2020	Department of EEE, BSACIST and Office of Alumni Relations.	Alumnus (B.E. EEE-2002 Batch) Mr. Janarthanan, Lead Engineer, Petrofac International Ltd., Muscat	40	10	25	5
6	“Free and Online Simulators for Electrical Engineer”	Online Webinar	29.07.2021	Department of EEE, BSACIST	Mr. C. Athbel Joe, Dr. Belwin J Brearley and Dr. K. Shafeeque Ahmed	-	-	-	45
7	“Power System Automation “	Online Webinar	30.06. 2021	-	Dr. Arunachalam Sundaram, Associate Professor / EEE, Jubail Industrial College, Kingdom of Saudi Arabia	7	19	30	17

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Mrs.Bharanigha V	Digital learning techniques	Online certificate course	29.06.2020 - 04.07.2020	ICT Academy	NA
2.	Dr.R.Jayashree	Electric vehicles and its scenario in India	STTP	01.07.2020 - 03.07.2020	Department of EEE, BSACIST	NA
3.	Dr.S.Jennathu Beevi,	Electric Vehicles and its scenario in India	STTP	01.07.2020 - 03.07.2020.	Department of ECE, BSACIST	NA
4.	Dr.K.Sarmila Har Beagam	Electric Vehicles and its scenario in India	STTP	01.07.2020 - 03.07.2020	Department of EEE, BSACIST	NA
5.	Dr.R.Jayashree	Design and Sizing of cables and motors	Online webinar	03.07.2020	Department of EEE, BSACIST	NA
6.	Dr.K.Sarmila Har Beagam	Design and sizing of cables and motors	Online webinar	03.07.2020	Department of EEE, BSACIST	NA
7.	Dr.Y.Mohamed Shuaib	Design and Sizing of Cables and Motors	Online Webinar	03.07.2020	Department of EEE, BSACIST	NA

8.	Dr.S.Jennathu Beevi,	Online Learning: Design, Development& Delivery of Online content”	FDP	4.07.2020	HR & Faculty Training Academy, BSACIST.	NA
9.	Dr.K.Sarmila Har Beagam	Online Learning: Design, Development& Delivery of Online content”	FDP	4.07.2020	HR & Faculty Training Academy, BSACIST.	NA
10.	Dr. R. Zahira	Modelling & Simulation of Renewable Energy and Electric Vehicle system	webinar series	06.07.2020 - 07.07.2020	Department of EEE, Kumaraguru College of Technology - Coimbatore	NA
11.	Mrs.Bharanigha V	Overview of Issues and Challenges in Power Sector	FDP	10.07.2020 - 12.08.2020	AMET Deemed to be University	NA
12.	Dr.S.Jennathu Beevi,	Application of Moodle LMS	Two weeks live online FDP	11.07.2020 - 25.07. 2020	Department of Management Studies, BSACIST	NA
13.	Dr.K.Sarmila Har Beagam	Cyber security and Ethical Hacking	Online webinar	11.07.2020	Collabration with Diazonic lab, VIT Chennai	NA

14.	Dr.K.Sarmila Har Beagam	An IEEE 3 Day Webinar Series	Webinar Series	11.07.2020 13.07.2020	St. Joseph's Institute Of Technology	NA
15.	Dr.K.Sarmila Har Beagam	Power System Analysis through ETAP	Online Webinar	17.07.2020	EEE Department, BSACIST	NA
16.	Dr.R.Jayashree	Power System analysis using ETAP	Online webinar	17.07.2020	EEE Department BSACIST	NA
17.	Dr.K.Sarmila Har Beagam	Distribution of power from practical perspective	Online Webinar	18.07.2020	EEE Department, BSACIST	NA
18.	Dr.R.Jayashree	Distribution of power from practical perspective	Webinar	18.07.2020	EEE Department BSACIST	NA
19.	Dr.Belwin J. Brearley,	Distribution of power from practical perspective	Online Webinar	18.07.2020	EEE Department, BSACIST	NA
20.	Dr.S.Jennathu Beevi,	Distribution of Power from Practical Perspective”	Webinar	18.07.2020	EEE Department, BSACIST	NA

21.	Dr.K.Sarmila Har Beagam	A new IoT based architecture for demand response in smart grid	Online webinar	27.07.2020	VIT Chennai	NA
22.	Dr.R.Jayashree	Crescent LMS for faculty members	Webinar	04.08.2020	BSARCIST	NA
23.	Dr.S.Jennathu Beevi,	Crescent LMS for faculty members	Online Training Program	04.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
24.	Dr.K.Sarmila Har Beagam	Crescent LMS for faculty members	Online Training Program	04.08. 2020	Office of Dean (Academic Affairs), BSACIST	NA
25.	Dr. R. Zahira	Crescent LMS for Faculty Members	Training Program	04.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
26.	Dr. K. Shafeeque Ahmed	Crescent LMS for Faculty Members	Training Program	04.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
27.	Dr.K.Sarmila Har Beagam	Internet of Things	Online Webinar	05.08. 2020	EEE Department, BSACIST	NA
28.	Dr.R.Jayashree	Internet of Things	Webinar	05 08.2020	BSACIST	NA
29.	Dr.Belwin J. Brearley	Internet of Things	Online Webinar	05.08.2020	EEE Department, BSACIST	NA

30.	Dr.K.Sarmila Har Beagam	Simulation of Electrical and Electronics Projects using Proteus Software”	International Webinar	07.08.2020	Sethu Institute of Technology	NA
31.	Dr.R.Jayashree	Design and development of E-content	Workshop	12.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
32.	Dr. Belwin J. Brearley,	Design and development of e-content	Online Workshop	12.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
33.	Dr.S.Jennathu Beevi	Design and development of E-content”	Online Workshop	12.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
34.	Dr.K.Sarmila Har Beagam	Design and development of E-content	Online Workshop	12.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
35.	Dr. R. Zahira	Design and development of E - Content	Online Workshop	12.08.2020	CITL and Office of Dean (Academic Affairs), BSACIST	NA

36.	Dr.K.Sarmila Har Beagam	Mitigation of Power Quality Issues in Distributed Generation Systems using Custom Power Devices-II	Online STTP	17.08.2020 - 24.08.2020	AICTE, R.M.D. Engineering college	NA
37.	Dr. K. Shafeeque Ahmed,	Design and development of E-content”	Online Workshop	12.08.2020	Office of Dean (Academic Affairs), BSACIST	NA
38.	Dr.R.Jayashree	Remote sensing based advanced damage detection on Structures	Online Workshop	08.09.2020	BSACIST	NA
39.	Dr.K.Sarmila Har Beagam	Remote sensing based advanced damage detection on structures	Online Webinar	08.09.2020	ECE, BSACIST	NA
40.	Dr.S.Jennathu Beevi	Abstracting and Indexing – How to get indexed and how to increase research impact,	Online webinar	09.09.2020	organized by Springer Nature in collaboration with Delcon, a DBT e library consortium	NA
41.	Dr. R. Zahira	Funding Hacks for Researchers in Researcher Academy Elsevier	Training Program	22 .09.2020	Elsevier	NA

42.	Dr. R. Zahira	Smart Grid Automation SGA-2020	Online Webinar	06.10.2020	Department of EEE. from Vidya Jyothi Institute of Technology	NA
43.	Dr.R.Jayashree	IEEE student branch officers meet	Workshop	07.10.2020	IEEE Madras Section	NA
44.	Dr. R. Zahira	Artificial Intelligence and Machine learning using Python	Training Programme	10.10.2020	IFERP	NA
45.	Dr. R. Zahira	Energy Ambassador Program 2020	Workshop	17.10.2020	VIT Chennai and IAEMP	NA
46.	Dr. R. Zahira	Energy Ambassador Program 2020 Energy Audit Methods And Case Studies	Training Workshop	17.10.2020	VIT Chennai and IAEMP	NA
47.	Dr. R. Zahira	Research Trends in Renewable Photovoltaic System and its Research Challenges	One Week STTP	19.10.2020 - 24.10.2020	Department of EEE , SVCE , Tirupathi	NA
48.	Dr.S.Jennathu Beevi	Impact of large-scale PV generation on voltage stability with the recent integration requirements	Online webinar	01.11.2020	IEEE student branch, JIC, Jubail, KSA	NA

49.	Mr.S.Suresh	Modelling and Simulation of Renewable Energy Systems Using MATLAB	FDP	02.11.2020 - 07.11.2020	Department of EEE Misrimal Navajee Munoth Jain Engineering College	NA
50.	Dr.S.Jennathu Beevi	Energy Engineering	Online one week FDP	23.11.2020-27.11.2020	AICTE Training And Learning (ATAL) Academy and Government College Of Technology, Coimbatore.	NA
51.	Mr.S.Suresh,	Research Trends in Renewable Photovoltaic System and its Research Challenges	FDP	23.11.2020 - 28.11.2020	Department of EEE SV College Of Engineering	NA
52.	Dr.S.Jennathu Beevi,	Relay coordination to enhance safety in Oil and Gas industries	Online webinar	25.11.2020	IEEE student branch, JIC, Jubail, KSA	NA
53.	Mr.S.Suresh,	Applications of Multi-megawatt Power-electronic System (AMPS 2020)	STTP	01.12.2020 - 05.12.2020	Department of Water Resources Development and Management, Indian Institute of Technology Roorkee during	NA

54.	Dr.S.Jennathu Beevi,	Be the change – Teaching Learning process	AICTE sponsored STTP	07.12.2020 - 12.12.2020	HR & FTA, BSACIST	NA
55.	Dr. R. Zahira,	Electrical Energy Conservation and Management in Process Industry	Webinar	26.12.2020	Sri Sairam Institute of Technology	NA
56.	Mr.S.Suresh	Energy Engineering	AICTE Training And Learning (ATAL) Academy	4.01.2021 - 8.01.2021	G.L. Bajaj Institute of Technology and Management	NA
57.	Dr.Belwin J. Brearley,	Be the change – Teaching Learning Process	Six days STTP	15.02.2021 - 20.02.2021	HR & FTA, BSACIST	NA
58.	Dr.K.Sarmila Har Beagam	Be the change – Teaching Learning process“ from ,	AICTE sponsored STTP	15.02.2021 - 20.02.2021	HR & FTA, BSACIST	NA
59.	Dr. R. Zahira	Electric Mobility: Development, Integration and Design Challenges	AICTE sponsored Online Short Term Training Program	22.03.2021- 27.03.2021	Department of EEE, JCE	NA

60.	Dr.R.Jayashree	Govt schemes for start up and Qualities to become successful entrepreneur	Webinar	07.05.2021	Infinite Desire	NA
61.	Dr.K.Sarmila Har Beagam	Future of RedHat DevOps & Cloud Technologies	National Level webinar	18.05.2021	Winways Complete Open Source Pvt.Ltd	NA
62.	Dr.Belwin J. Brearley	Trends in Electric Vehicles – Challenges and opportunities	National Seminar	22.05.2021	AMEET Academy of Maritime Education and Training	NA
63.	Dr.Belwin J. Brearley	Wireless charging for Electric Vehicle Application	Online Webinar	03.06.2021	Pantech E-learning and EEE Department, BSACIST	NA
64.	Dr.K.Sarmila Har Beagam	Wireless charging for Electric Vehicle Application	Online Webinar	03.06.2021	Pantech E-learning and EEE Department, BSACIST	NA
65.	Dr.Belwin J. Brearley	Power System Automation	Online Webinar	30.06.2021	EEE Department, BSACIST	NA
66.	Dr.R.Jayashree	Power system automation	Webinar	30.06.2021	BSACIST	NA
67.	Dr.K.Sarmila Har Beagam	Power System Automation	Online Webinar	30.06.2021	EEE Department, BSACIST	NA

❖ **Papers Published/ Presented in Journals & Conferences (July 2020 - June 2021)**

Name	National Conference		International Conference		National Journal		International Journal		Total
	with ISBN	Others	with ISBN	Others	SCI / Scopus Indexed	Others	SCI / Scopus Indexed	Others	
Dr.R.Jayashree	-	-	-	-	-	-	6	-	6
Dr.Y.Mohamed Shuaib	-	-	1	1	-	-	5	-	7
Dr. Belwin J.Brearley	-	-	-	-	-	-	1	-	1
Dr. S. Jennathu Beevi	-	-	-	-	-	-	-	-	-
Dr..K.Sarmila Har Beagam	-	-	-	-	-	-	1	-	1
Mr.S.Suresh	-	-	1	1	-	-	1	1	4
Mrs.V.Bharanigha	-	-	-	-	-	-	-	-	-
Dr.A.Paramasivam	-	-	-	-	-	-	3	-	3
Dr.K. Shafeeque Ahmed	-	-	1	-	-	-	1	1	3
Dr. R. Zahira	-	-	1	1	-	-	1	-	3

❖ **Details of Publication in National & International Journals & Conferences:**

International Journal& National Journal

a) SCI/Scopus Indexed Journal

1. Kavitha Sivakumar, Jayashree R, Karthikeyan Danasagar, "A novel branch current flowbased construction of microgrids" *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 21, No. 1, pp. 28~36 , , DOI: 10.11591/ijeecs.v21.i1.pp28-36 , January 2021.
2. Kavitha Sivakumar, Jayashree R, Karthikeyan Danasagar, "Efficiency driven planning for sizing of distributed generators and optimal construction of cluster of micro grids", *Engineering Science and Technology, an International Journal* (B.V.Elsevier) pp.1153-1167,24 (2021).
3. A.Richa, Abdul .R.Beig, Jayashree R, Karthikeyan Danasagar, "DC Voltage control and OLTC control strategy for MMC- Based HVDC system under SM failure" IEEE access, Vol.9,pp.114325-114338, (2021).
4. V. Kubendran, Y. Mohamed Shuaib, J. Preetha Roselyn and K. Vijayakumar, "A New Cascaded Single-Phase Multilevel Inverter Topology with Reduced Switches", *International Journal of Advanced Science and Technology*, Vol. 29, No. 9s, pp. 6011-6019, 2020.
5. S Suresh and R Zahira, "Hardware Implementation of Two Stage Interleaved Boost Converter for Electric Vehicle Application", *Int. J. Vehicle Structures & Systems*, 13(3), 373-377, 2021.
6. S. Suresh and R. Zahira, "MPPT Algorithm based IBC and IBC Lift C Solar Photo Voltaic System", *Psychology and Education*, Vol: 57, Issue:9, pp: 2059-2067, 2020.
7. Syed Muzafar Ahmed, K. Shafeeque Ahmed and Y. Mohamed Shuaib, "Dual Control of Asynchronous Motor for EV fed by 5-level Diode Clamped Multilevel Inverter using SPWM Technique", *International Journal of Vehicle Structures and Systems*, Vol. 13, Issue 2, 2021, pp. 223-228.
8. V. Kubendran, Y. Mohamed Shuaib, J. Preetha Roselyn and K. Vijayakumar, "A New Cascaded Single-Phase Multilevel Inverter Topology with Reduced Switches", *International Journal of Advanced Science and Technology*, Vol. 29, No. 9s, pp. 6011-6019, 2020.
9. P. R. Hemavathy, Y. Mohamed Shuaib and S. K. Lakshmanaprabu, "Internal model controller based PID with fractional filter design for a nonlinear process", *International Journal of Electrical and Computer Engineering (IJECE)* Vol: 10, No.1, pp.243~254,February 2020.

10. Sahul Hameed. J. B., & Ramasubramanian, Jayashree. "Optimal Fractional Order PI Controller for Frequency Ancillary Services in Restructured Power System", *Energy Systems*, pp: 1-31.
11. S.Amirta Raj, D.Lakshmi, V.Madhankumar and R.Zahira "Switching Loss Reduction and Simulation of Quasi Z-Source Inverter System Fed BLDC Motor". *International Journal of Advanced Science and Technology*, Vol. 29, no. 04, pp. 1149 -57, Feb. 2020.
12. Veerakumar.P, Sundar.R, D.Lakshmi, R.Zahira, "Automatic Temperature Control System for Ship's Turbine Main Oil Cooler Using PIC Microcontroller". *International Journal of Advanced Science and Technology*, Vol. 29, no. 04, pp. 1170 -74, Feb. 2020.
13. Beagam, K. S. H., Jayashree, R., & Khan, M. A. (2020). "Optimal reactive power allocation and settlement in deregulated power market". *International Journal of Power and Energy Conversion*, 11(2), 174-199.
14. Brearley, B. J., Raja Prabu, R., Regin Bose, K., & Sankaranarayanan, V. Adaptive relay co-ordination scheme for radial microgrid. *International Journal of Ambient Energy*, 1-14, (2020).
15. Bhaskar, K. B., & Alagumariappan, P, Mohamed Shuaib, Y., (2020). "Energy Channeling Led Driver Technology to achieve Flicker Free Operation with Zeta Converter for Power Quality Improvement", *International Journal of Automation and Smart Technology*, 10(1), 401-407.
16. K. B. Bhaskar, A. Devaraju, A. Paramasivam, Experimental investigation of glass powder reinforced polymer composite, *Materials Today: Proceedings*, 2020.
17. Paramasivam, A., Kamalanand, K., Sundravadivelu, K., Emmanuel, C., Rajinikanth, V., "Feature Extraction and Genetic Algorithm based Feature Selection for Diagnosis of Type-2 Diabetes using Electrogastrograms", *JMIR Biomedical Engineering*.
18. Viswaprakash Babu, K. Shafeeqe Ahmed, Y. Mohamed Shuaib, Manikandan M, S. Sathik Basha, "Voltage Sag /Swell Compensation Using Solar Photovoltaic Inverter based Dynamic Voltage Restorer (SPVI-DVR)", *Journal of Green Engineering (JGE)*, Vol-10, Issue-9, pp. 7102-7114, September 2020.
19. R. Soundarapandian, R. Jayashree, "Short term Generation Scheduling for thermal Generators with wind uncertainty and pumped hydro storage using optimization technique", *Solid State Technology*, Vol 63, Issue 1s, pp. 807-818, October, 2020.
20. Srinivas, K. N., & Ramkumar, M. (2020). Modular switched mode power supply, tested with DC motor load. *International Journal of Power Electronics*, 11(3), 359-381.

International Conference & National Conference:

1. S. Suresh and R. Zahira, "Simulation Analysis of PV based two stage interleaved boost converter for EV applications", *International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering* (Virtual Conference), Sri Valliammai Engineering College, Chennai, 10 April 2021, ISBN : 978 -81- 953396- 0- 0.

2. Madhumitha, S., P. Dhivya, and S. Suresh, "Arduino Based Speed Control for Hemo." *In 2020 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, pp. 1-4. IEEE,2020.
3. Syed Muzafar Ahmed, K. Shafeeque Ahmed and Y. Mohamed Shuaib, "Torque and Speed Control of Asynchronous Motor fed by 4-Level Diode Clamped Multilevel Inverter", *International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering*,pp. 524-529,10th April 2021.
4. Syed Muzafar Ahmed, K. Shafeeque Ahmed and Y. Mohamed Shuaib, "Open Loop Control of an Induction Motor Using a 6-Level Diode Clamped Multilevel Inverter", *International Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2021)*, pp. 36-44, 2021.

**Details of Impact Factor of the Publication and H-Index:
 No. In Scopus-19**

Description	Scopus	WoS
h – Index	19	12
No. of Citations	987	560
Highest SNIP	4.351	12.11
Average Impact Factor	0.591	1.274

❖ **Book Chapters Published:**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		

1	Dr. R. Zahira	Covid 19 and its impact- Energy and Power	500/-		ESN Publications	ISBN: 978-81-947019- 4-1
2	Dr. R. Zahira	Modeling and Simulation Analysis of Shunt Active Filter for Harmonic Mitigation in Islanded Microgrid. In: Zhou N., Hemamalini S. (eds) Advances in Smart Grid Technology. Lecture Notes in Electrical Engineering, vol 688.	21220/-	250 EURO	Springer, Singapore.	https://link.springer.com /book/10.1007/978-981- 15-7241-8
3	Dr. R. Zahira	Power Quality Issues in Microgrid and its Solutions. in Microgrid Technologies, Scrivener Publishing LLC (Wiley), Book Editor(s):C. Sharmeela, P. Sivaraman, P. Sanjeevikumar, Jens Bo Holm-Nielsen, pp 255-286, 2021, ISBN: 9781119710790, https://doi.org/10.1002/97811 19710905.ch10 .	16726/-	\$ 225	Scrivener Publishing LLC (Wiley), Book	https://www.amazon.co m/Micro-Grid- Technologies-C- Sharmeela/dp/1119710 790
4	Dr.Y.Mohamed Shuaib	Book (Covid 19 and its impact- Energy and Power) Chapter on "Prioritization of Loads Powered by Solar PV"	500/-		ESN Publications	ISBN: 978-81-947019- 4-1

5	Mr.S.Suresh	Book (Covid 19 and its impact- Energy and Power) Chapter on "Prioritization of Loads Powered by Solar PV"	500/-		ESN Publications	ISBN: 978-81-947019-4-1
6	Mrs.V.Bharanigha	Book (Covid 19 and its impact- Energy and Power) Chapter on "Prioritization of Loads Powered by Solar PV"	500/-		ESN Publications	ISBN: 978-81-947019-4-1
7	Dr.R.Jayashree	Modular Multilevel converter Based HVDC System Using PD PWM Algorithm, Richa, Abdul R. Beig, R. Jayashree, and Mohd Tariq; Lecture notes in Electrical Engineering. vol 669	21220/-	250 EURO	Springer Nature Singapore Pvt. Ltd. 2020	ISSN: 1876-1119

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	Dr. R. Zahira "Electric hybrid power source for vehicles using weightless internal combustion"	11.05. 2021	Patent number: 2021102319	14 th July, 2021	-

2	A Novel Intrinsic space vector transformation based solar fed dynamic voltage restorer for power quality improvement in distribution system - Y.Mohamed Shuaib, Vishwaprakash Babu, ManikandanM, Shafeeque Ahamed	22.05.2020	Patent Application No.202041 015211 Published	Results Awaited	-
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❖ **Achievements of Staff**

Sl. No.	Name of the Faculty / non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Date
1.	Dr.R.Jayashree	Activities towards the advancement of IEEE and Engineering profession during the year2020	Received a certificate of appreciation for the IEEE student branch from IEEE Madras Section	19.12.2020
2.	Dr.R.Jayashree	Received "Research Incentive Scheme on teachers day 2020"	BSACIST	05.09.2020
3.	Dr. R. Zahira	Received an exclusive honor from World Book of Records, London (UK)	ESN publication as one of the longest international conference following the duration of 150 hours continuously	03.09.2020

4.	Dr. R. Zahira	Asian book of records for being a editor and author in record book title "Most Authors Contributing for a Single Book Covid -19 and its Impact".	Asian book of records and ESN publication	30.01. 2021
5.	Dr. R. Zahira	Received Indian book of records for being a editor and author in record book title Most Authors Contributing for a Single Book Covid -19 and its Impact"	Indian book of records and ESN publication	30.01. 2021
6.	Mr.S.Suresh	Asian book of records for being a author in record book title " Most Authors Contributing for a Single Book Covid -19 and its Impact".	Asian book of records and ESN publication	30.01. 2021
7.	Mrs.V.Bharanigha	Asian book of records for being a author in record book title Most Authors Contributing for a Single Book Covid -19 and its Impact".	Asian book of records and ESN publication	30.01. 2021
8.	Dr.S.Jennathu Beevi	Received a certificate of reviewing from "Soft Computing Letters"	Elsevier	August 2020

9.	Dr. R. Jayashree	Received a letter of appreciation for Reviewing a paper in Journal of Engineering science and Technology (JESTEC).	JESTEC	01.11. 2020
10.	Dr. R. Jayashree	Received a letter of appreciation for reviewing a paper in IEEE Access 2020-39156	IEEE	14.08.2020
11.	Dr. R. Jayashree	Received a letter of appreciation for reviewing a paper in Australian journal of Mechanical Engineering	TMEC -2020-0462	11.11.2020

❖ **Achievements of Students**

Sl. No.	RRN	Name of the student	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	180041601001	Mr. Alashik Mohammed V	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021
2	180041601002	Mr. Ayman Khan I	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021

3	180041601013	Mr. Mohammed Farook H	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021
4	180041601015	Mr. Naveen Kumar S	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021
5	180041601017	Mr. Sunil Kumar S	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021
6.	180041601022	Mr. Rishi Kumar S	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021
7.	180041602002	Mr. Mohammed Firas N	Successfully Completed NPTEL course on Introduction to Internet of Things	IIT Kharagpur	April 2021
8.	190041601002	Mr. Abishek Shankar	Successfully Completed NPTEL course on Digital Signal Processing and its applications	IIT Bombay	April 2021
9.	190041601039	VIKRAM VENKAT	Successfully Completed NPTEL course on Digital Signal Processing and its applications	IIT Bombay	April 2021

❖ **Developmental Activities**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Career Guidance Programme for School students and UG graduates	13.06.2021	58	Institution and Department Branding	To improve admission to the EEE programme
2	Online Technical Quiz	04.06.2021	30	Institution and Department Branding	To improve admission to the EEE programme

❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Skill Shark Edutech Pvt. Ltd.	Area of Training , Knowledge sharing and Placement	24.08.2021	On Going	---	<ul style="list-style-type: none"> • Training for faculties in the department • Training for the employees of Skill Shark Edutech Pvt Ltd

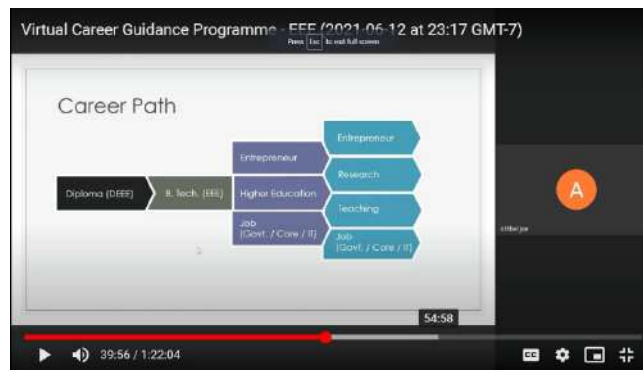
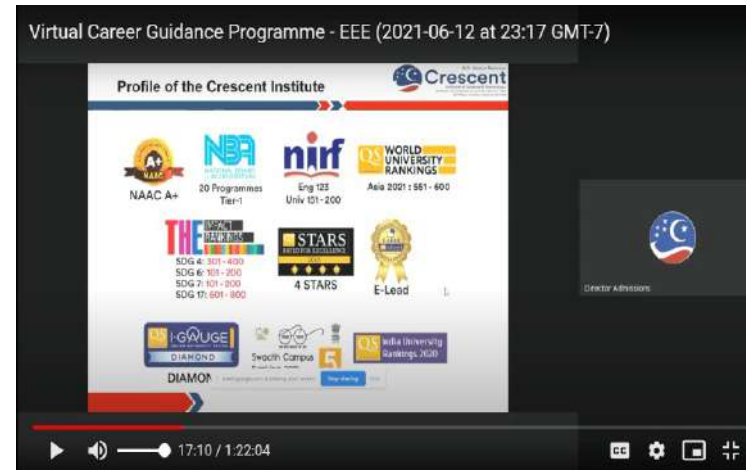
❖ **MoUs Signed**

Sl. No.	Name of the firm / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	Skill Shark Edutech Pvt. Ltd.	Area of Training , Knowledge sharing and Placement	24.	August	2021	<ul style="list-style-type: none"> • Training for faculties in the department. • Training for the employees of Skill Shark Edutech Pvt Ltd • Internship for students and faculty members • Consultancy and Placement 	On going

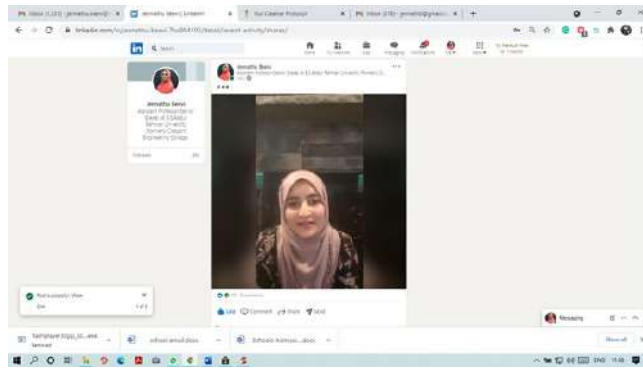
❖ **Any other Information:**

1. Belwin J. Brearley, AP (SG)/EEE, delivered a lecture in the International Faculty Development Programme (FDP) on 'Smart Grid' on the topic "Computational Tools & Security" organised by the Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Ramapuram Campus, Chennai, during 27th to 31st July 2020.
2. Belwin J. Brearley, AP (SG)/EEE, acted as chairperson in the international E-conference on "Challenges and opportunities in renewable Energy, Smart Systems and e-mobility" (ICCORSE 2020) organized by EEE Department, Easwari Engineering College, 31st July 2020.
3. Three of our faculty members: Dr.K.Sarmila Har Beagam, Dr. S.Jennathu Beevi, and Dr Belwin J Brearley have successfully completed their PhD degree.
4. Dr.S.Jennathu Beevi, AP(SG)/EEE, Mr.C.Athbel Joe AP/EEE and Dr.A.Paramasivam, AP/EEE organized a career guidance programme on June 13th, 2021 from 11.30 am to 12.30 pm, for aspiring candidates who wish to pursue their career in the Electrical and Electronics Engineering stream.
5. Dr. R. Zahira delivered a session in "Overview of Issues and Challenges in Power Sector" on the topic "Power Quality Issues in Micro Grid" as a guest speaker in the Three Day National Level Faculty Development Programme organized by AMET Deemed to be University, Chennai on 12.07.2020.

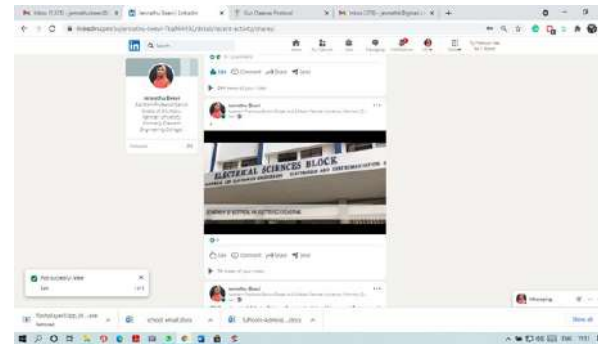
Social Media Snapshots: Virtual career Guidance Programme – 13.6.2021



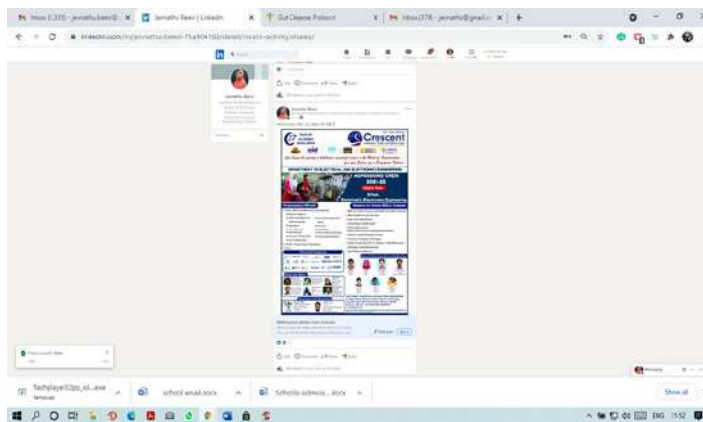
Alumni Testimonial videos in LinkedIn



Department Promo video in LinkedIn



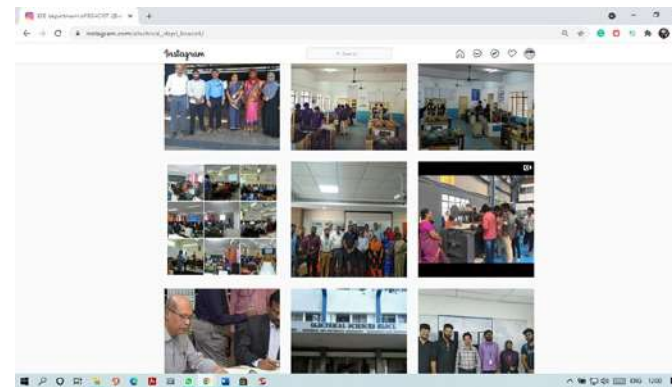
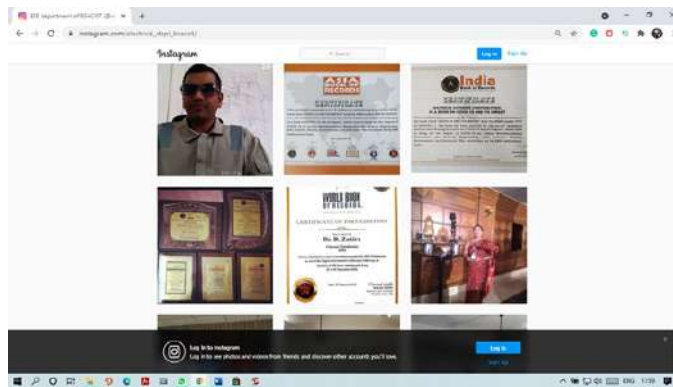
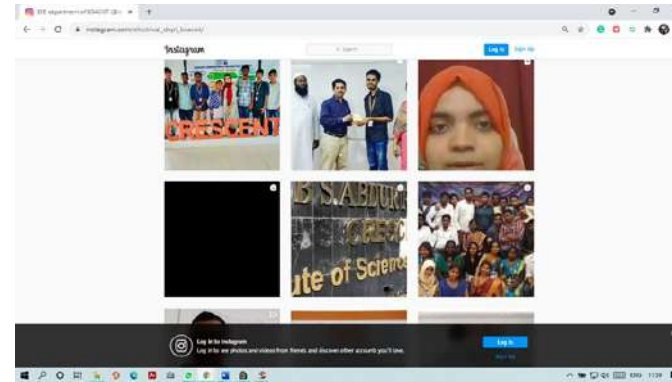
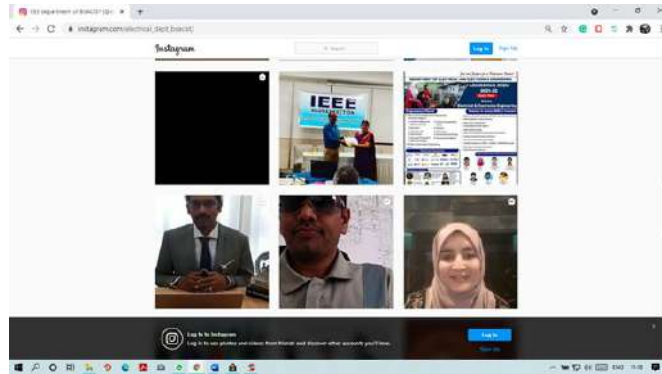
Admission Brochure posted in Linked in



Social Media Snapshots- LinkedIn



Department Instagram Profile : https://www.instagram.com/electrical_dept_bsacis/



Staff Achievement :

	<p>Guest Speaker in the 'International Faculty Development Programme (FDP)' on 'Smart Grid' on the topic "Computational Tools & Security".</p>
	<p>Dr.S. Jennathu Beevi - Received certificate from Elsevier</p>

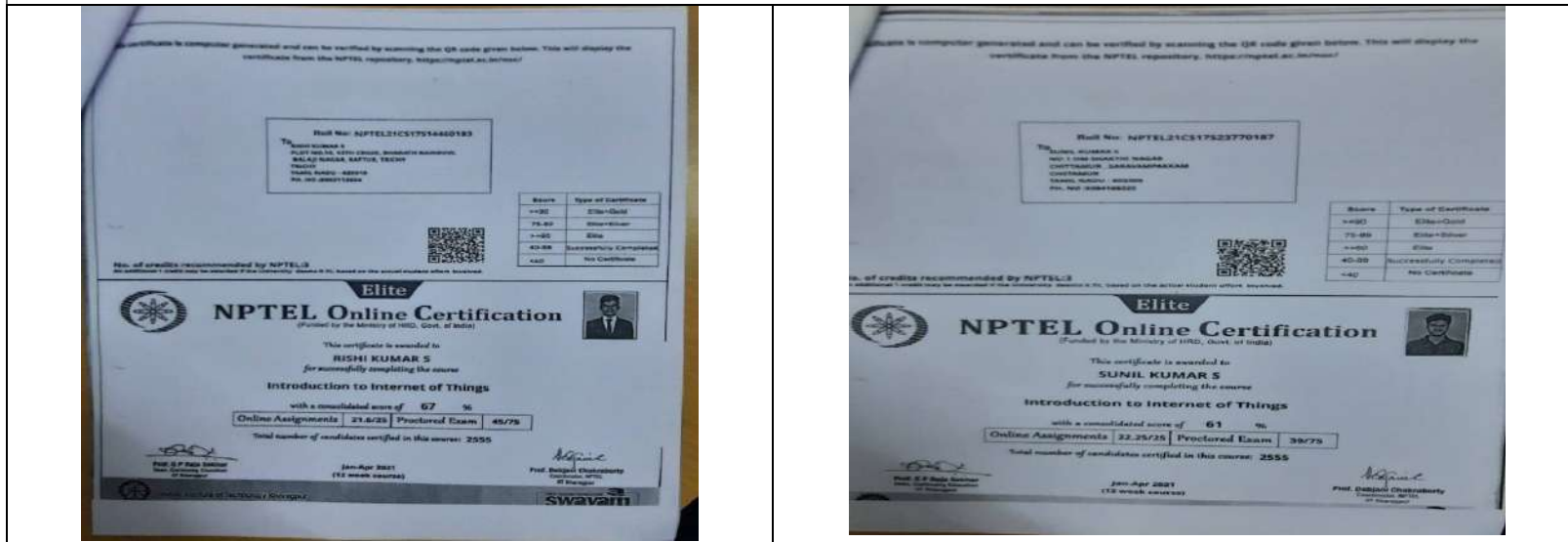


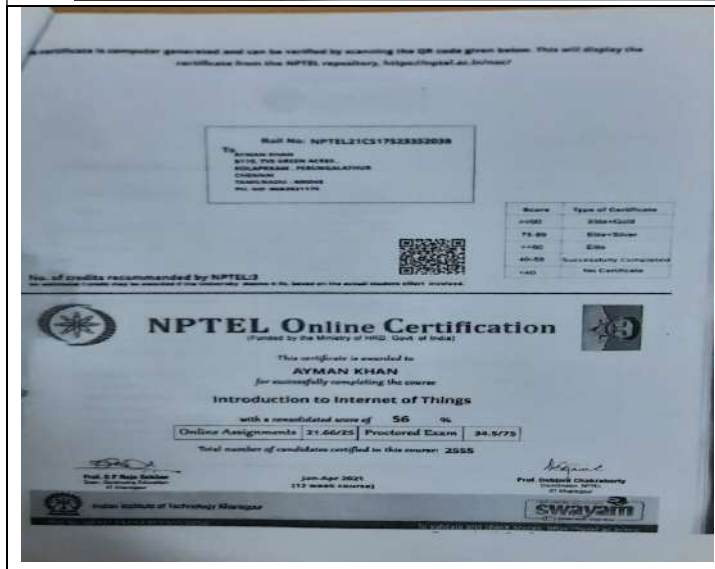
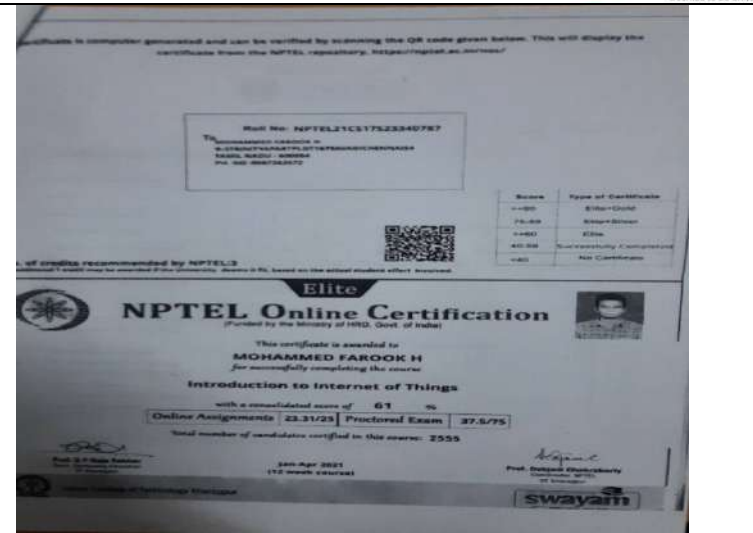
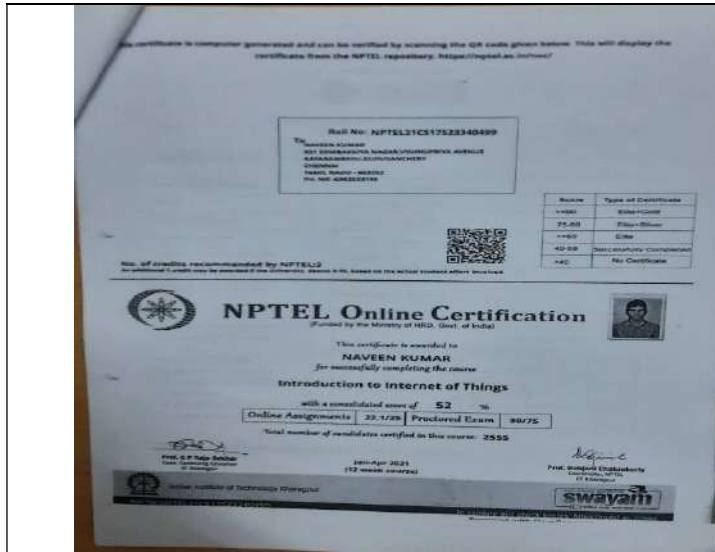
Dr.R.Zahira -Received an exclusive honor from WORLD BOOK OF RECORDS, London (UK)



Dr.R. Jayashree received a certificate of appreciation for the IEEE student branch from IEEE Madras section -2020

Student Achievement: **NPTEL Online Certification**







DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

❖ **New Programmes Started**

Sl. No.	Name of Programme	Month & Year of Introduction	Details of Approval	
			Board of Studies	Academic Council
1	Minor Degree in IOT	July 2020	19th BOS(27.05.20)	15th meeting of Academic Council (25.06.2020)

❖ **Value Added Programmes Started**

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	CLAD	01.02. 2021 - 15.02.2021	30	Opti Thought.	15	4	-
2	IIT Spoken Tutorial	June – December, 2020 & January – June, 2021	6 months	IIT Bombay	229	-	-

❖ **Training Programmes Offered**

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	PCB Schematic and Layout Design	24.03.2021 - 26.03.2021	18 hours	Mr.M. Selvakumar (AP) & Ms. A. Priya (AP/Sr.Gr) Department of ECE, BSACIST	9	4	3
2	Online training on "full custom and semi custom design flow in vlsi using cadence tools"	29.04.2021 & 30-4-2021.	12 hours	Mr. NavinSankar, Application Engineer Entuple Technologies ,Bangalore	4	9	40
3	Skill Enhancement Programme on Soft Skills	10- 04- 2021	2 hours	Mr.S. SadhishPrabhu (AP -Sr.Gr.) & Mr. A. Ramesh Kumar (AP) Department of ECE, BSACIST	65	-	-
4	Yoga Asanas to Boost Immunity during the times of COVID 19	23.06.2021	1 hour	Dr. S. Selvalakshmi, Assistant Professor & Dean (i/c), Department of Yoga, Tamil Nadu Physical Education and Sports University, Chennai.	20	30	20
5	Online-Series of Guest Lecture by Prominent Alumni of Department of ECE	26.05.2021, 3.5.2021, 9.4.2021, 29,5,2021	10 hours	Mr. BalaKarthik Baskaran (Alumni 2001 – 2005), Heads the Europe arm of the Retail Architecture & Technology group at Tata Consultancy Services, Sweden. Mr. Kumaran Radhakrishnan (Alumni 2016-2018), Research and development engineer, ABB power technology services pvt limited Mr. Afaaq Imran (Alumni 2004 – 2008), Specialist –	5	40	-

				Radio Access Networks, Ericsson India Global Services, Chennai. Mr. HurmathNaireen(Alumni 2013 – 2017),Senior RTL Design Engineer at FLDECSystems, Chennai			
6	Be the changeTeaching learning process - Short Term TrainingProgram (STTP)	2020	ATAL	Dr. NikhatHamza, Director, HR& Dr. C. Tharini, Professor & Head, ECE, BSACIST	-	50	-

❖ **Interdisciplinary Programmes Conducted**

Sl. No.	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1	Design and Development of E- Content - 12/08/2020	Aerospace Engineering, Arabic and Islamic Studies, Automobile Engineering Business, Chemistry, Civil Engineering, Commerce, Computer Application, CSE, ECE, EEE, EIE, English, IT, Law, Life Science, Management, Mathematics and Actuarial Science, Mechanical Engineering, Pharmacy, Physics and Polymer Engineering.	-	220	-	Faculty will be using the different online tools used for developing e-content.
2	Orientation and Start up quiz - 12-04-2021	All B.Tech programs in the institute	44	-	-	Students will have an inclination towards

						the startup ecosystem.
3	Entrepreneurship Awareness Programme - 20-06-2021	B.E. B.Tech, Bcom, MSc, BSc, MBA, BBA LLB		180		Students will have an awareness towards the entrepreneurship terminologies.

❖ **Details of Field visits organized by the department**

Sl.No	Participant Details				Name of accompanied faculty	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1	B.Tech. ECE	III	A	40	Dr.G. Kannan Mr.Iniyavan.R	Nokia Chennai Factory (Online)	September 14, 2021 10.30 a.m to 12.30 p.m.	Gained Knowledge in Communication field	No
2	B.Tech. ECE	V	A	43	Dr.G. Kannan Ms.Indragandhi.K	Nokia Chennai Factory (Online)	September 14, 2021 10.30 a.m to 12.30 p.m.	Gained Knowledge in Communication field	No
3	B.Tech. ECE	V	B	43	Dr.G. Kannan Dr.Parnasree	Nokia Chennai Factory (Online)	September 14, 2021 10.30 a.m to 12.30 p.m.	Gained Knowledge in Communication field	No

4	B.Tech/ECE	VII	A	54	Dr.G. Kannan Ms.A.Ambika	Nokia Chennai Factory (Online)	September 14, 2021 10.30 a.m to 12.30 p.m.	Gained Knowledge in Communication field	No
5	B.Tech/ECE	VII	B	45	Dr.G. Kannan Dr.Vanmathi.M	Nokia Chennai Factory (Online)	September 14, 2021 10.30 a.m to 12.30 p.m.	Gained Knowledge in Communication field	No

❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of Participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Webinar on “How to Publish High Impact Research Articles”	Webinar	09.08.2020	Nil	Dr. SulthanHalifa Haroon Al Rashid, Royal Melbourne Institute of Technology, Australia.	-	40	412	-
2	Inauguration of “SECE and associated Clubs”	Talk on various topics	21.09.2020	IE & IETE	Mr. Ramaswamy, GC member, IETE NewDelhi, Dr.N. Venkateswaran,	20	260	-	-

					Chairman, IETE Chennai Centre, Mr. Pandiyaraj .G.V, IRS, Deputy Commissioner of Customs, Kolkata Customs, Department of Revenue, Ministry of Finance. (Alumnus of 2005-2009 batch), Mr.G. RAJESH, Master's programme in International Business, Social Entrepreneur.				
3	2 Day Skill Enhancement Programme on "Soft Skills"	Training	12.9.2020-13.9.2020	Nil	Mr.S. SadhishPrabhu (AP /Sr.Gr.) & Mr. A. Ramesh Kumar (AP) Department of ECE, BSACIST	-	50	-	-
4	Workshop on "Physics" for +2 students	Technical talk	22.03.2021 - 24.03.2021	SECE	Dr. Parnasree Chakraborty, AP (Sr.Gr.) Ms. Ambika, AP (Sr.Gr) Ms. Mahalakshmi, AP(Sr.Gr) Ms. G. Anuradha, AP(Sr.Gr) Mr. Ramesh kumar, AP Mr. SadhishPrabhu, AP(Sr.Gr)	-	-	-	20

5	Webinar on "Campus to Corporate" for prefinalyear students of ECE	Webinar	08.04.2021	Nil	Dr. K. Ganesh, Director – Placement & Training, IIPC, and Mr. S. Chandra Shekhar, AP/Commerce	-	70	-	-
6	Intercollege Quiz contest	Contest	07.05.2021	SECE	NA	-	-	-	295
7	Online Quiz Contest for School Students	Contest	03.06.2021	SECE	NA	-	-	-	260
8	Online training on "Introduction to Artificial Intelligence"	Training	15.05.2021	SECE	Mr.Rishub, Pre-final year student, ECE dept.	-	45	-	-
9	Online training on "Python game development"	Training	22.05.2021	SECE	Mr.Rishub, Pre-final year student, ECE dept.	-	35	-	-
10	Online guest lecture in "Neural Network on real time systems"	Guest Lecture	20.03. 2021	SECE	Mr.MohamedHisham M, (Alumni 2014-2018), Development Engineer 2, Comcast, Chennai	-	35	-	-
11	Online Quiz Contest for Polytechnic Students	Contest	14.06.2021	SECE	NA	-	-	-	13
12	Virtual Poster Presentation Competition	Contest	12.06.2021	SECE	NA	-	70	-	-

13	Virtual Project EXPO	Contest	26.06.2021	SECE	NA	-	22 teams	-	-
14	Artificial Intelligence using Graphical Programming Design – LabVIEW	workshop	04.08.2021 - 06.08.2021	SECE	Mr.Esakki Raja, VI solutions, Bangalore	5	36	-	-

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Confernece / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No.	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	Online-Series of Guest Lecture by Prominent Alumni of Department of ECE	26.05.2021, 03.05.2021, 09.4.2021, 29,5,2021	Rs.8000/-	-
2	Virtual Poster Presentation Competition	12.06.2021	Rs.1995/-	-
3.	Virtual Project “EXPO’2021”	26.06.2021	Rs.2000/-	-
4	Technical Symposium “SPECTRON 2021”	09.04.2021	Rs.6000/-	-

5	Crescent seed money for the project titled "AI based Low-Cost 3D Scanner and 3D Printer for Industrial Applications"	11.03.2021	Rs.31,013/-	-
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❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Ms. R.Mahalakshmi	Internet of Things(Everything)– Future	STP	24.04.2020 – 29.04. 2020	BSACIST	–
2	Ms.K.Indra Gandhi	Internet of Things(Everything)– Future	STP	24.08.2020- 29.08.2020	BSACIST	–
3	Dr.G.Kannan	Internet of Things(Everything)– Future	STP	24.08.2020- 29.08.2020	BSACIST	–
4	Ms. S. Anusooya	Certification program on "Partial reconfiguration on Zynq"	STP	20.06.2020 24.6.2020	BSACIST	–
		2 Week Active Learning Program of the Course "Application of	FDP	11.07.2020 - 25.07.2020	BSACIST	–

		Moodle LMS"				
		5 days FDP on Research Issues in Advanced VLSI Design	NFDP	17.08.2020-21.08.2020	QIS college of engineering and technology.	–
		Workshop on Internet of Things using Raspberry Pi	Workshop	02.10.2020 - 04.10.2020	VIT Chennai	–
		International Conference Global Technology Forum 2020	Coference	14.10.2020-18.10.2020	ICT Academy	–
		Insight of Analog And Digital IC Design : Industry and Research Perspective (IADICD - 2020)	FDP	14.12.2020 – 19.12.2020	SRM Institute of Science and Technology	–
		VLSI Design and Verification-Phase I	STP	22.03.2021 - 27.03.2021	Annamacharya Institute of Technology and Sciences	–

		VLSI Design and Verification-Phase II	STP	19.04.2021-24.04.2021	Annamacharya Institute of Technology and Sciences	–
5	Ms.S.Kalaivani	Online Learning: Design, Development & Delivery of Online content	Webinar	04.07.2020	Faculty Training & Development, BSACIST	–
		VLSI Physical Design using Cadence Innovus Tool	STP	20.07.20 - 24.07.20	St. Joseph's College of Engineering, Chennai.	–
		Training Program on Crescent LMS - Workshop on E-content Design & Development	Workshop	04-08-2020	Office of Data Centre & Office of Dean Academic Affairs, BSACIST	–
		How to publish high impact research article	Webinar	9.8.2020	Dept. of ECE, BSACIST	–
		Design & Development of E-content	Workshop	12.8.2020	CITL & Office of Dean Academic Affairs, BSACIST on	–
		Python programming	Training Programme	03.08.2020-07.08.2020	Transify and 360digiTMG.	–

		Recent Trends in Embedded Systems and Computational Intelligence	Special online webinar series	14.09.2020 - 18.09.2020	IE(I) Erode Local Centre in association with Kongu Engineering College, Bannari Amman Institute of Technology and Sengunthar Engineering College	–
		Recent Trends in Computational Intelligence for Healthcare Monitoring Systems	AICTE sponsored STTP	23.11.2020- 28.11.2020	Department of Electronics and Instrumentation Engineering, Bannari Amman Institute of Technology	–
		Feature Analysis using AI/ML	AICTE - ISTE Sponsored Induction/Refresher Programme	16.11.2020 - 21.11.2020	Sri Krishna College of Engg. & Technology, Coimbatore	–
		Insight of Analog And Digital IC Design : Industry and Research Perspective (IADICD - 2020)	Faculty Development Program	14.12.2020 – 19.12.2020	Department of Electronics and Communication Engineering, SRM IST, Kattankulathur.	–

		Importance of Control systems, applications and Research challenges	Webinar	16.02.2021	Department of Electronics and Communication Engineering, Dr.Ambedkar Institute of Technology, Bengaluru-56, in association with ISTE Student chapter	–
		Artificial Intelligence	National level workshop	30.4.2021 & 01.05.2021	Pantech e-learning in association with IETE NITK and IIPM	–
		IoT in Medical System	Webinar	24.04.2021	Global IEEE Institute For Engineers, Bangalore	–
		Machine Learning Techniques for Imaging and Healthcare with PYTHON	AICTE Sponsored two weeks FDP	18.03.2021 – 31.03.2021	Department of Instrumentation and Control Engineering, Sri Sairam Engineering College, Chennai	–
		Machine learning for predictive maintenance	International Webinar	22.05.2021	Dept. of Industrial Engg.& Management, Dr.AmbedkarInstitute	–

					of Technology, Bangalore.	
6	Dr.V.JeanShilpa	Workshop on Modeling of SoC using Xilinx Vivado Tools	Two Days Online Workshop	18.12.2020 & 19.12.2020	Dept of ECE, PSG College of Technology	–
		Insight of Analog And Digital IC Design : Industry and Research Perspective (IADICD - 2020)	FDP	14.12.2020 – 19.12.2020	SRM Institute of Science and Technology	–
		Internet of Things using Raspberry Pi	Workshop	02.10.2020 - 04.10.2020	Pantech e-Learning	–
		one week STTP on IOT	STTP	07.09.2020-12.09.2020	AICTE	–
		Internet of Things & Cloud Interface	days Online Industry Training	07.09.2020-11.09. 2020	PANTECH e-Learning	–
		Design and Development of E-Content	Online workshop	12.08.2020	The Center to Innovation in teaching and Learning (CITL) and	–

					Office of Dean (Academic affairs)	
		AI and ML applications in smart buildings	Virtual International Conference	23.07.2020	VIT, Chennai	–
		Training Program on Crescent LMS for Faculty Members	Training Program	04.08.2020	The Offices of Data centre and Dean Academic Affairs	–
		Research Issues in Advanced VLSI Design	FDP	17.08.2020 - 21.08.2020	College of Engineering and Technology	–
		VLSI Design and Verification-Phase I	STP	22.03.2021- 27.03.2021	Annamacharya Institute of Technology and Sciences	–
		VLSI Design and Verification-Phase II	STP	19.04.2021 – 24.04.2021	Annamacharya Institute of Technology and Sciences	–
		VLSI Physical Design using Cadence Innovus Tool	Short term certification	20.07.20 – 24.07.20	St. Joseph College of Engineering	–

7	Ms. R. Anitha,	Presented a paper titled "Vehicular to Vehicular communication using LIFI technology in Virtual International Conference on "Innovations In Interdisciplinary Research"	Conference	20.06.2020	Kalasalingam University	–
		Two-week Live Faculty Development Programme on "Application of Moodle LMS".	FDP	11-07-2020 – 25-07-2020	BSACIST	–
		Attended Seven Days Faculty Development Programme in the title "DATA SCIENCE"	FDP	20-07-2020 to 26-07-2020	Panimalar Institute of Technology.	–
		Webinar on "How to transform from traditional teaching mode to effective online teaching with available e-resources:	Webinar	07.07.2020	Office of Dean, Academic Research, Director - HR office & ESPAC, BSACIST	–

		Preparedness"				
		Attended a webinar on "Online Learning: Design, Development & Delivery of Online content.	Webinar	04.07.2020	Faculty Training & Development, BSACIST	–
		.Participated in the "Training Program on Crescent LMS for Faculty Members" on, Jointly	FDP	04.08.2020	Data Center and Office of Dean (Academic Affairs), BSACIST	–
		one week STTP on IOT sponsored by AICTE from at.	STTP	07.09.2020-12.09.2020	BSACIST	–
		Recieved Certificate of Appreciation for the course "Quantum Computing "	Workshop	24.08.2020–29.08.2020	ECIT	–
		Attended 5 days Online Industry Training on Internet of Things & Cloud Interface organized	Industry training	07.09.2020-11.09.2020	PANTECH E- learning	–

		Practical Quantum Computing using Qiskit and IBMQ	FDP	12.09.2020-04.10.2020	E&ICT Academy, IIT Roorkee	–
		Internet of Things using Raspberry Pi	Workshop	02.10.2020-04.10.2020	VIT, Chennai	–
		Quantum Computing" from at (Autonomous).	FDP	07.12.2020-11.12.2020	AICTE Training And Learning (ATAL) Academy- Muthayammal Engineering College	–
		2 days – National Level Online Workshop on "LabVIEW Programming & Applications	Workshop	26-12-2020 – 27-12-2020	NITK – STEP National Institute of Technology, Karnataka, Surathkal	–
		"Quantum Computing"	FDP	04.01,2021-08.01.2021	AICTE Training And Learning (ATAL) Academy Online FDP- K.S.Rangasamy College of Technology	–

		Two Days Online FDP " Outcome based education: Roadmap for accreditation "	FDP	20.01.2021& 21.01.2021	Vels Institute of Science, Technology &Advanced Studies	–
		Quantum Computation & Quantum machine learning	Workshop	28.01.2021& 29.01.2021	Department of Physics, Faculty of mathematical & physical Sciences, Ramaiah University of applied sciences, bangalore	–
8	Mr. A. Ramesh Kumar A	Three Day International Workshop on Antenna Design	Workshop	13.08.2020- 15.08.2020	St. Joseph's Institute of Technology	–
		Smart Cities	ATAL FDP - AICTE	24.08.2020- 28-08.2020	Punjab Engineering College	–
		Digital Teaching Techniques	Certificate Course	29.06.2020– 04.07.2020	ICT Academy Tamil Nadu	–
		3D Printing & Design	ATAL-FDP - AICTE	07.12.2020 - 11.12.2020	BSACIST	–
9	Ms.A.Priya	Advanced Design in RF	Training	06.11.2020- 20.11.2020	IEEE HMRITM	–

		Industry Conclave on Recent Trends on “Antennas and Microwave Engineering”	Conclave	30th October to 3rd November	IEEE -APS chapter	–
		“IPR & Patent Prosecution”	ONLINE Faculty Development ProAram(FDP)	24.05.2021-28.05.2021.	Institution Innovation Council (IIC), MVSREC	–

❖ **Papers Published/ Presented In Journals & Conferences (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-		7	-	-	25		32

❖ **Details of Publication In National & International Journals & Conferences:**

❖ **Journals (July 2020-June 2021)**

1. SindhubalaKadirvelu, Walter D. Leon-Salas, Xiaozhe Fan, B. Vijayalakshmi,et.al., “A Circuit for Simultaneous Reception of Data and Power using a Solar Cell,” IEEE Transactions on Green Communications and Networking, pp. 1-11, Print ISSN: 2473-2400, Online ISSN: 2473-2400, <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9447830>.DOI:dentifier:10.1109/TGCN.2021.3087008, June 2021.

2. M. Senthil Kumar, M. Vanmathi& G. Sakthivel “A Systematic Review on Current Status of Zirconia Bonding with Novel Silane Couplant for Dental Restorations”, *Silicon journal* , Impact factor 2.67, May 2021.
3. P. V. Bhuvaneshwari and C.Tharini, "Review on LDPC Codes for Big Data storage" *Wireless Personal Communications*, 117(2), 1601-1625, DOI 10.1007/s11277-020-07937-4, January 2021.
4. A.Ambika, C Tharini, Tanweer Ali," Analysis of Dual Semicircle Shape CSRR Sensor for Dent Detection on Teflon Coated Metal Surfaces", *Wireless Personal Communications*, March 2021.
5. S. Anusooya, P.K.Jawahar “Design and Analysis of a Step-Down Switched Capacitor Converter for Low Power Applications”, *Materials Today: Proceedings*, <https://doi.org/10.1016/j.matpr.2020.11.763>, Available Online, 15th January 2021.
6. S.Anusooya, P.K.Jawahar “Design and implementation of advanced step down switched capacitor converter using threshold voltage logic”, *International Journal of Systems, Control and Communications*, Vol. 12, No. 3, 2021, page no:175-192.
7. S. Kalaivani, C. Tharini, A. M. Azarudeen and R. Karthikeyan, “IoT Based Smart and Efficient Wind Turbine Monitoring System”, *IT in Industry*, Vol. 9, No.1, eISSN: 2203-1731, Doi: <https://doi.org/10.17762/itii.v9i1.256>, 18-03-2021.
8. MI Ahmed, G Kannan, " Secure End to End Communications and Data Analytics in IoT Integrated Application Using IBM Watson IoT Platform", *Wireless Personal Communications*, <https://doi.org/10.1007/s11277-021-08439-7>, 2021.
9. Imtyaz Ahmed and G. Kannan, “Cloud-Based Remote RFID Authentication for Security of Smart Internet of Things Applications”, *Journal of Information and Knowledge Management*, Vol. 20, No. Supp01, 2140004 (2021).
10. Parnasree Chakraborty, Tharini Chandrapragasam, Extended Applications of Compressed Sensing Algorithm in Biomedical Signal and Image Compression. *Journal of Inst. Eng. India Ser. B (IEIB)*, Springer, <https://doi.org/10.1007/s40031-021-00592-8>, June 2021.
11. V. Jean Shilpa, P. K. Jawahar , "Efficient algorithm design on hybrid CPU-FPGA architecture for high performance computing", *International Journal of Systems, Control and Communications, Int. J. Systems, Control and Communications*, Vol. 12, No. 1, 2021.
12. Syed Rafiammal. S, Najumnissa Jamal. D and KajaMohideen. S, Detection of Epilepsy Seizure in Adults Using Discrete Wavelet Transform and Cluster Nearest Neighborhood Classifier. *Iran J Sci Technol Trans ElectrEng* (2021). <https://doi.org/10.1007/s40998-021-00437-6>.
13. Mohammed Imtyaz Ahmed, Govindaraj Kannan, “Secure and lightweight privacy preserving Internet of things integration for remote patient monitoring”, *Journal of King Saud University - Computer and Information Sciences*, 2021 (Article in Press)
14. Imtyaz Ahmed and G. Kannan, 2020, “Overcoming Privacy and Security Challenges of Internet of Things Applications”, *International Journal of Future Generation Communication and Networking*, Vol. 13, No. 1, (2020), pp. 1550-1556. (ESCI).

15. Parnasree Chakraborty, C. Tharini, "Pneumonia and Eye Disease Detection using Convolutional Neural Networks", is published in *Engineering, Technology & Applied Science Research*, Vol. 10, No. 3, pp.5769-5774, Web of Science, Emerging Sources Citation Indexed, June 2020.
16. Imtyaz Ahmed and G. Kannan, 2020, "Cloud-Based Remote RFID Authentication for Security of Smart Internet of Things Applications", World Scientific Publishing, ISSN (print): 0219-6492 | ISSN (online): 1793-6926 (In press).
17. S. Anusooya, P.K. Jawahar," Design and implementation of advanced step down switched capacitor converter using threshold voltage logic", *International Journal of Systems, Control and Communications (IJSCC)*, ISSN online :1755-9359, ISSN print:1755-9340, (In press), Accepted for publication.
18. V.Jean, P.K. Jawahar, "Efficient algorithm design on hybrid CPU-FPGA architecture for high performance computing", *International Journal of Systems, Control and Communications (IJSCC)*, Accepted for publication.
19. Rafiammal. S, NajumnissaJamal, KajaMohideen, "Reconfigurable Hardware Design for Automatic Epilepsy Seizure Detection using EEG Signals" is published in *Engineering, Technology & Applied Science Research*, Vol. 10, No. 3, pp.5803-5807 eISSN 1792-8036,pISSN 2241-4487, Web of Science, Emerging Sources Citation Indexed, June 2020.
20. M. Senthil Kumar, M. Vanmathi and G. Sakthivel, "SiC Reinforcement in the Synthesis and Characterization of A356/AL2O3/Sic/Gr Reinforced Composite- Paving a Way for the Next Generation of Aircraft Applications", *Sliconjournal*, publishedonline, August 2020.
21. Priya A., KajaMohideen S., ManavalanSaravanan, MohdTarmiziAli, Manikandan K.V., Mohammad Ghouse K.S., Imaduddeen V. N. " Design of Frequency Reconfigurable Patch Antenna for Sensing and Tracking Communications ", *The Applied Computational Electromagnetics Society Journal*.
22. Priya A., Saravanan M., Balasubramaniam D., Subahar A., Purushothaman V. "A Compact Vertex Fed Heptagon Monopole Antenna in a Wide Diamond Slot for UWB Applications" *Inventive Communication and Computational Technologies. Lecture Notes in Networks and Systems*, vol 145. Springer, Singapore. https://doi.org/10.1007/978-981-15-7345-3_48,(2021)
23. R. Anitha, B. Vijayalakshmi, "Energy-Efficient Arithmetic & Logic Unit in Quantum Cellular Automata & CMOS Technology", *Journal of Green Engineering(GEC)*, Vol.10, issue-7, pp. 3575-3596, July 2020.
24. R. Anitha, Afrin, Aravindkumar, Nishathfathima, "AN EFFICIENT ROBO FOR POND & LAKE CLEANING", *International Journal of Disaster Recovery and Business Continuity*, Vol.11, No. 1 (2020), pp. 1745- 1755.
25. Indragandhi K and Jawahar P.K, "Core Performance Based Packet Priority Router for NoC-Based Heterogeneous Multicore Processor", *Advances in Intelligent Systems and Computing*, Vol. No. 1171, pp.389-397, Springer, Aug 2020.

International Conference & National Conference:

a) Conference with ISBN Proceedings

1. S.Anusooya,P.K.Jawahar,V.JeanShilpa, “Design and Analysis of On chip Buck DC-DC Converter for Energy Harvesting and Low Power Applications”, presented in 2nd International Conference on Smart Automation in Computer, Electrical Electronics and Communication Engineering (ICSA 2021)[Virtual Conference - Online Only] 10th April 2021 Organized by SRM Valliammai Engineering College. ISBN NO: 978-81-953396-0-0
2. B. Pavithra, Parnasree Chakraborty,” Channel Coding and Multiple Access Techniques from 1g to 5G: An Overview”, *International Conference on Advanced Computing and Communication Technology*, Francis Xavier Engineering College, Tirunelveli, 6th - 7th May, 2021.
3. V.JeanShilpa, Badhrunisha, “Design and Analysis of On chip Energy harvesting DC-DC converter”, *Virtual International Conference on AI and ML applications in smart buildings*, VIT, Chennai on 23rd July 2020
4. V.JeanShilpa, MdHarris, “Piezoelectric Powered City And Energy Management”, *Virtual International Conference on Innovations in Interdisciplinary Research (VICIIDR – 2020)* held on 23.06.2020
5. R.Anitha, B.Vijayalakshmi, “Quantum Chaos-Based Encryption Technique for Transmission of Medical Images”,*International Conference on Communication, Computing and Electronics Systems*, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 733), pp 601-614, March 2021.
6. R.K. ShaikshaMoula, ShaikIshaqAnwar,MohammedShahidNawaz,Parnasree Chakraborty,” Design and Implementation of Predictive Compressed Sensing Algorithm for Environmental Data Compression in Wireless Sensor Network”,*13th International Conference on Recent Development in Engineering,Science,Humanities and Management(ESHM-2020)*,25th July,2020,Conference Proceeding:ISBN:978-93-90103-05-8.
7. V.JeanShilpa,R.Anitha,S.Anusooya, “Efficient Algorithm Design for Task Based Scheduling on HCF System”, *International conference on Research in Electronics Engineering and Communication Techniques(ICREACT’21)*held on 3rd and 4th May 2021.

❖ Details of Impact Factor of The Publication and H-Index

A) Range	:	1-6.06
B) Average	:	0.45
C) H-Index	:	10
D) No. In Scopus :		19

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1	Mr. A. Ramesh Kumar	AICTE - MoDRoB	Modernization of RF and Microwave Lab for Signal Quality Measurements in Sub 3Ghz	2020	13,33,334	13,94,925	Nil	Ongoing
2	Dr.C.Tharini, Dr.G.Kannan, Dr.M. MohamedIsmail	Jasmin Infotech Chennai	Patient monitoring System for Scheizophrenia Research Foundation (SCARF) organization	2020	30000	5000	25000	Ongoing
3	Ms.Sivashanmuga Valli,	SERB	Design of Antennas for 5G Applications	2019-20	2,75,000	2,53,000	22,000	Ongoing
4	Mr. A. Ramesh Kumar	Nokia networks	Connected the unconnected	January, 2021	-	-	9 lakhs	Applied
5	Dr.S.Kalaivani, Dr.B.Vijayalakshmi, Dr.C.Tharini	Nokia networks	Implementation of medical booth for preliminary health tests in rural areas	January, 2021	-	-	7.15 lakhs	Applied

6	Dr.V.JeanShilpa Ms.R.Anitha Mrs.S.Anusooya Dr.C.Tharini	Nokia networks	Shakti, Mobile App development for rural women emowerment	January, 2021	-	-	7.5 lakhs	Applied
7	Mr.SadhishPrabhu Dr.C.Tharini	Nokia networks	Women entrepreneurship development Programme	January, 2021	-	-	5.84 lakhs	Applied
8	Dr.V.JeanShilpa Ms.R.Anitha Mrs.S.Anusooya	Azim Premji University Research Funding Programme 2021	Neet Coaching for rural students	November,2021	-	-	9 lakhs	Applied
9	Dr.C.Tharini	Department of Biotechnology	Development of Automated Low-Cost Reader for Soil NPK Detection using Printed Electrode with Integrated Android Application	2021	-	-	36 lakhs	Applied
9	Dr.C.Tharini, Dr. M. Mohamed Ismail Dr.M.Vanmathi	Jasmin Infotech Chennai	Fabrication of portable oxygen concentrator	2021	1.28 Lakhs	-	-	Ongoing

❖ **Details of Major Equipment Purchased (Financial year 2020-21)**

Sl. No.	Name of the Equipment	Make & Country	Month of Purchase	Amount in Rs	Working Status	
					Yes	No
1	LabView Software	Optithought academic partner of National Instruments bangalore	December, 2020	8,36,987/-	Yes	-
2	Keysight Vector Signal Generator - 3GHz	ElmackEngg Services, Chennai	February, 2021	13,94,925/-	Yes	-

❖ **Books Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Ms. R. Anitha, Ms. S. Anusooya, Ms. V. Jean Shilpa	CHAPTER titled, "Real Time Hazardous Gas Classification and Management System Using Artificial Neural Networks" in Human Communication Technology, Internet of robotic things and ubiquitous computing, 22 October 2021, ISBN-13 : 978-1119750598,	-	-	Wiley-Scrivener	Yes

2	Ms. Indragandhi K Dr. P.K. Jawahar	Advances in Intelligent Systems and Computing, Vol. No. 1171, pp.389-397, Springer, Chapter 8: Core Performance Based Packet Priority Router for NoC-Based Heterogeneous Multicore Processor	-	Euro 24.95	Springer	yes
3	Ms. A. Priya Mr. M. Saravanan Mr. D. Balasubramaniam Mr. A. Subahar Mr. V. Purushothaman	Inventive Communication and Computational Technologies. Lecture Notes in Networks and Systems, vol 145. Springer, Singapore. https://doi.org/10.1007/978-981-15-7345-3_48	-	Euro 24.95	Springer	yes
4	Dr. S. KajaMohideen. Dr. LathaTamilselvan, Dr. S Kavitha Dr. G.Kavitha.	Impact of AI and Machine Learning in Smart Sensor Networks for Health Care. Lecture notes on Smart Sensor Networks, Studies in Big Data, pp-51-70, vol 92. Springer Nature Switzerland, DOI 10.1007/978-3-030-77214-7_3	-	Euro 24.95	Springer	yes

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	A System For Detecting Leakages & Blockages In Micro Irrigation (Dr.C.Tharini)	-	01.01.2021	-	Nil
2	Secure Remote Health Monitoring Framework Using Internet Of Things With Edge Computing (Dr G Kannan and Ms. K.Indragandhi)	-	03.07.2020	-	Nil
3	Raft For Monitoring Sea Water And Ohc Aquatic Safety System For Aquatic Animal Using Wireless Personal AreaNetwork (Ms.A.Priya)	-	31.07.2020	-	Nil
4.	lot Based Lpg Controller System (Ms. S.Anusooya, Ms. R.Anitha, Ms. V.JeanShilpa)	-	21.08.2020	-	Nil
5	An Efficient Digitate Leaf Shaped Microstrip Patch Antenna For Wearable Applications (Ms. S.Anusooya, Ms. R.Anitha, Ms. V.JeanShilpa)	-	03.07.2020	-	Nil

❖ **International Visits by Faculty / Students**

Sl. No.	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1.	Mr. Ijaz Mohammed (RRN: 180051601038)	MitacsGlobalink Research Internship	The MITACS organization, Canada	12-week program fully funded Research Internship	Online	Image processing by wavelets and framelets on intervals and its application in numerous fields ranging from artificial intelligence to machine learning, signal processing and in computer graphics.”, under Professor Bin Han, University of Alberta, Edmonton, Canada
2	Ms. A.Priya, AP (Sr.Gr)	UiTM Research Internship	UiTM, Malaysia	Research Internship	Online	Published paper in SCI journal in December 2020

❖ **Faculty Internships (Industry / research organization / Academic Institution)**

Sl. No.	Name of the Faculty	Details of work place	Period of Internship	Outcome
1	Ms. R.Anitha	VI solutions, Bangalore	19.04.2021- 21.05.2021	Learnt about Machine Learning basics in LabVIEW

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr.S.SadhishPrabhu	Awarded as a global jury	Wadhvani foundation-NEN's program on entrepreneurship	2021
2	Mr. A. Ramesh Kumar	Awarded in Top 100 Use cases in 5G Hackathon	Department of Telecommunication, Government of India	January 2021
2	Mr.S. Sadhish Prabhu	Awarded as a Chief Innovation Officer	CCIO	Upto 2022
3	Dr. C. Tharini	Awarded	Research Incentive Scheme- Institute level	2021
4	Dr. S. KajaMohideen	Awarded	Research Incentive Scheme- Institute level	2021

5	Dr. P.K. Jawahar	Awarded	Research Incentive Scheme- Institute level	2021
6	Ms. Vanmathi. M	Awarded	Research Incentive Scheme- Institute level	2021
7	Ms. A. Ambika	Awarded	Research Incentive Scheme- Institute level	2021
8	Ms. B. Sivashanmugavalli	Awarded	Research Incentive Scheme- Institute level	2021
9	Ms. A. Priya	Awarded	Research Incentive Scheme- Institute level	2021
10	Dr. S. KajaMohideen	Achieved as top 5% in NPTEL course	Introduction to industry 4.0 and Industrial IOT-NPTEL course	December, 2020
11	Mr. A. Ramesh Kumar	Recognized as Global Jury	wadhvani foundation-NEN's program on entrepreneurship	2021
12	Mr. A. Ramesh Kumar	Certified Chief Innovation Officer	Rocheston, USA	2021
13	Mr. A. Ramesh Kumar	Certified LabVIEW Associate Developer	National Instruments	2021



Jan -dec 2020

❖ **Achievements of Students**

Sl. No.	Name of the Student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Ms.S.ShirinRafia	180051601072	Winner in Hackathon 2020 at State level during Oct-Dec 2020.	BSACIST in association with Sandwich Square	2020
2.	Ms.SamyukthaMeena	190051601040	She has authored the first two chapters of the ebook book titled ' YOU CAN GO DIGITAL '	BSACIST	2020
3.	Ms. AshimaYusuff	170051601104	Student Coordinators: First issue of E-Magazine CRES ECE MINDS on 21.09.2020.	BSACIST	2020
4.	Ms.MubeenaBanu	170051601096		BSACIST	2020
5.	Mr. Abhishek.S	170051601102		BSACIST	2020
6.	Mr. ShaikShahul	170051601072		BSACIST	2020

7.	Ms.Lilly Sheela	170051601020	Magazine Design: First issue of E-Magazine CRES ECE MINDS on 21.09.2020.	BSACIST	2020
8.	Ms.Jishnu.S	170051601024		BSACIST	2020
9.	Ms.Janani.S	170051601022		BSACIST	2020
10.	Ms. Syed Ayesha Muskan Jahan	170051601048		BSACIST	2020
11.	Ms.Santhyia.E	170051601098		BSACIST	2020
12.	Ms. Fahima Jafeen	170051601101		BSACIST	2020
13.	Ms.NoorulleynSaara.H	170051601056	Social Media: First issue of E-Magazine CRES ECE MINDS on 21.09. 2020.	BSACIST	2020
14.	Mr. Saran.R	170051601099		BSACIST	2020
15.	Mr. Shaik Mohammad JaniBasha	170051602002		BSACIST	2020

16.	Mr. Mohammed Nadeem	170051601041		BSACIST	2020
17.	Mr. Jai Sakthi Vijay.M	170051601021		BSACIST	2020
18.	Mr. Mohammed Akram	170051601040	Interviews/content editing:First issue of E-Magazine CRES ECE MINDS on 21.09.2020.	BSACIST	2020
19.	Ms.Aarthi.S	170051601001		BSACIST	2020
20.	Ms.Prejitha	170051601061	Script Writing :: First issue of E-Magazine CRES ECE MINDS on 21.09. 2020.	BSACIST	2020
21.	Mr. Vikram Raj	170051601090		BSACIST	2020
22.	Mr. D.V.PavanSesha Sa	170051601065	Poster:First issue of E-Magazine CRES ECE MINDS on 21.09. 2020.	BSACIST	2020
23.	Mr. SethuManikkam	170051601068		BSACIST	2020
24.	Mr. Nabeel.A.R	170051601054		BSACIST	2020

25.	Mr. Mohamed Nazeem	170051601039	Gaming/Puzzle:First issue of E-Magazine CRES ECE MINDS on 21.09.2020.	BSACIST	2020
26.	Ms. M.Leela Krishna	170051601052		BSACIST	2020
27.	Mr. Mohammed ShoaibIbrar.M.A	170051601042		BSACIST	2020
28.	Mr. Muhammed Furqaan	170051601043		BSACIST	2020
29.	Mr. TurpunatiMansoor	170051601086	Alumni:First issue of E-Magazine CRES ECE MINDS on 21.09.2020.	BSACIST	2020
30.	Mr. MusthafaHalith.A	170051601053	Latest Technology:First issue of E-Magazine CRES ECE MINDS on 21.09.2020.	BSACIST	2020
31.	Mr. Mohamed Marzooq.M	170051601037		BSACIST	2020
32.	Mr. Shiva Prashanth	170051601076		BSACIST	2020
33.	Mr. Mohammed Misbahullah Sheriff	170051601103		BSACIST	2020

support. Finally yet importantly, I'm so very debited to my family, my father, S. Sridhar, who supports me with all his great efforts. My mother, S. Ammu who never fails to inspire me with her hard work and also my little brother who helps me to stay energetic all the time. On the whole they did hold me up in all my difficulties. And I take this moment to thank them from the bottom of my heart. Hopefully, I wish this book to be helpful to all those in need of it. We the team of CTC will always strive to turn out ourselves with much more productive tasks.

-S AARTHI










J. Samyuktha Meena

First of all, I thank the Almighty whose limitless gracious blessings and love has supported me. I am very much accountable to my father Dr. C. V. Jayakumar for his guidance, valuable recommendations and steady motivation during the tenure of this task. The eagerness of my mother Dr. Sindhu J Kumar has made me to pursue lot of things in my life. Without my parents I won't be able to do anything. I am sincerely thankful to my brother Mr. J. Dinesh Siddharth Chandran for always being my backbone and the best critic. I would also like to thank my beloved family members and friends who always gave a never-ending support to all my activities. I also wanted to thank our Crescent technocrats club CEO Mr. Mohamed Irfan for unmeasurable support and motivation. With immense pleasure I thank my dear friend A. Vishali for always being there for me and helping me since then.

- J. SAMYUKTHA MEENA

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ECE E-MAGAZINE CLUB**

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* VIRTUAL INAUGURATION AND RELEASE OF E-MAGAZINE 2020 ON 21st SEPTEMBER 2020



❖ **Developmental Activities**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	FLDEC Systems, Chennai - MOU	January, 2021	Dr.Shilpa Ms.Anushya Ms.Anitha	To bridge the gap between Industry academic relation.	Internship
2	We got – MOU	June, 2021	Dr.C.Tharini	To bridge the gap between Industry academic relation	Internship and placement
3	Flextronics, Chennai - MOU	June, 2021	Dr.C.Tharini	To seek placement and Internship for ECE students of BSACIST	11 Flextronics employees have joined B.Tech ECE under Lateral Entry scheme
4	NI MOU renewal	January, 2021	Dr.C.Tharini Ms.Anitha Ms.Anusooya	To bridge the gap between Industry academic relation.	<ul style="list-style-type: none"> ✓ Faculties research work. ✓ Value added courses. ✓ Lab experiments. ✓ B.Tech final year projects.

❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Jasmin InfoTech, Chennai	Funded project	August 2021	Ongoing	-	An amount of Rs. 1.28 lakhs is sanctioned by Jasmin Infotech, Chennai for the project proposal "Fabrication of Low Cost Oxygen Concentrator".
2	WE GoT Utility Solutions	Student project support, founded project.	-	Ongoing	-	4 students are completed industry project
3	Flextronics, Chennai	MOU	July 2021	Ongoing	-	The admission of Flextronics Employees to B.Tech. ECE under Lateral Entry Scheme
4	Ericsson India Global Services, Chennai	Knowledge sharing	April 2021	Ongoing	-	BOS Member
5	ABB power technology services pvt limited, Chennai	Knowledge sharing	May 2021	ongoing	-	BOS Member

6	Tata Consultancy Services, Sweden.	Knowledge sharing	April 2021	Ongoing	-	BOS Member
7	FLDEC Systems, Chennai	Knowledge sharing	May 2021	Ongoing	-	BOS Member
8	Nokia Solutions And Networks INDIA Pvt Ltd, Oragadam	Knowledge sharing	May 2021	Ongoing	-	B.Tech Final year students got internship for their project work

❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome
			Faculty	Student	Others		
1	IE & IETE	Full Custom And Semi Custom Design Flow In Vlsi Using Cadence Tools	-	50	-	Mr.Naveen Shankar, Application Engineer, EntupleTechnologies Bangalore	Got sponsorship to conduct the training program
2.	IE & IETE	Virtual Project Expo 2021	-	88	-	-	Got sponsorship to conduct the technical event
3.	IE & IETE	CertifiedLabview Associate Developer (CLAD)	4	15	-	Opti thought	Got sponsorship to conduct the

							value added course
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❖ **MoUs Signed**

Sl. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	WEGOT utility solutions	MOU	22	09	2021	Placements, Project and Internship to final year students	Active
2	Flextronics Technologies (India) Private Limited (FTIPL)	MOU	01	06	2021	Offer B.Tech in ECE to eligible candidates (Employees who desire to study UG from Flextronics) (2021)	Active

❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Knowledge Expert	Dr. C.Tharini	-	-	Wegot Utility Solutions	2020-2021	Rs.2 Lacs from Innovation Voucher Program (IVP)

							seed grant by EDII, Govt of TN.
2	Mentor	Dr.G.Kannan	-	-	Iview sense	2020-2021	-
3	Consultancy for microstrip antenna design	Ms.A.Priya	-	-	Other Institutes and colleges all over India	2020-2021	Rs.18,800
4	Consultancy for microstrip antenna design	Ms.A.Ambika	-	-	Other Institutes and colleges all over India	2020-2021	Rs.2,000
5	Start up - Vasthak Pvt. Ltd	Dr.C.Tharini Mr. S.SadhishPrabhu Dr.S.KajaMohideen	-	-	Faculty Startup at CIIC	2021	-
6	Start up - Arkin Labs Pvt. Ltd	Mr, A.Ramesh Kumar	-	-	Faculty Startup at CIIC	2021	-

❖ **Important Visitors**

Sl. No.	Name of the visitor	Affiliation Details	Purpose of visit	Outcome
1	Dr. Venkateshwarran	ETE chairman, Professor, SSN College of Engineering, Chennai	Networking	Knowledge sharing
2	Mr. Ramaswamy	IETE Governing Council Member, IETET New Delhi	Advancements in 5G Technology	Knowledge sharing

3	Mr. Pandyaraj IRS	Independent Deputy Commissioner of Customs, Kolkata, Department of Revenue, Ministry of Finance	How to prepare for civil services Exam	Knowledge sharing
4	Mr.G. Rajesh	Social Entrepreneur	Entrepreneurship	Knowledge sharing
5	Dr. Noor Mohammad	Assistant Professor, IITDM, kancheepuram	Implementation of Approximate computing in VLSI	Knowledge sharing
6	Mr.Mohammed Kaleelullah	Junior Engineer, Cluod Operations and management, Mindtree	Firewalls in Networking	Knowledge sharing
7	Mr. Ram Anand	Senior Software Engineer, Mind Tree	Python frameworks and Game Development	Knowledge sharing
8	Mr. Mohamed Hisham	Development Engineer – 2, Comcast, Chennai	Neural Networks in Real Time Systems	Knowledge sharing
9	Mr. Afaaqlmraan	Specialist Radio Access Network Ericsson India global services Ltd. Chennai	Alumni Interaction	Collaboration with Industry

❖ Any other Information

1. Dr.C.Tharini is a reviewer in Wireless Personal Communication Journal.
2. Dr.G.Kannan is a reviewer in Egyptian Informatics Journal – Elsevier and IET Science Measurement & Technology
3. Dr.Parnasree Chakraborty is a reviewer in Journal of Institution of Engineers and ETASR.
4. Ms.A. Priya is reviewer in Wireless Personal Communication, Applied Computational Electromagnetic Society Journal, International Journal of Electronics (Taylor and Francis), IETE journal of research (Taylor and Francis).
5. Dr.B.Vijayalakshmi has delivered a Guest Lecture on “Homomorphic Filtering and Image Enhancement”, "Anna University" sponsored online FDTP organised by the St.Joseph's College of Engineering on 08.06.2021.
6. Dr.B.Vijayalakshmi is a reviewer in the following journals:
 - i.Applied Acoustics, Elsevier.
 - ii.Hertz Journal of Engineering.

Mr. SadhishPrabhu

- Global Jury member for National Entrepreneurship Network, Wadhvani Foundation
- Innovation Ambassador (Advanced Level), IIC, NewDelhi
- Delivered 12 invited talks during the period July 2020 to June 2021
- Invited talk on "Design Thinking and Product Market fit" on 19/06/2021 to Arunai Engineering College as a part of IIC.
- Delivered a guest lecture on "How to become an Entrepreneur" in association with IEEE and IIC on 28.07.2021 at K.Ramakrishnan College of Technology (Autonomous), Trichy
- Delivered a talk on Entrepreneurship Awareness program on 20/06/2021 to Diploma and Undergraduate students as a part of Social technical service club activity.
- Delivered a webinar on Managing Online Class - Teaching Tools for the faculty of KPRCAS on May 12, 2021.
- Delivered a session on "Learning Management systems " in AICTE – ISTE sponsored One week Faculty Development Programme on “Innovative Teaching – Learning Methodologies using ICT Tools” on 20/03/2021 at ArasanGanesan Polytechnic College, Sivakasi.
- Delivered a session on the topic "Diodes and LEDs" in Fun with Physics for 12th Standard students on 22/03/2021.
- Delivered a one-day Skill Enhancement Programme on Soft Skill for III-year ECE students on 10/04/2021.

- Delivered a session on "Learning Management systems " in AICTE – ISTE sponsored One week Faculty Development Programme on “Innovative Teaching – Learning Methodologies using ICT Tools” on 06/02/2021 and 27/02/2021 at ArasanGanesan Polytechnic College, Sivakasi.
- Delivered a two-day webinar on soft skill training series - II on 21-11-2020 and 28-11-2020 organised by Skill and personality Development programme Centre of B.S.A.C.I.S.T.
- Delivered two day Soft skill training for Final Year ECE students on 12 and 13th September 2020
- Delivered a hands on training on Edpuzzel application in the Online workshop on “Design and Development of E- Content” on 12th August 2020 from 2.30 Pm to 5.00pm through Zoom web conferencing application jointly organised by The Center to Innovation in teaching and Learning (CITL) and Office of Dean (Academic affairs).
- Delivered a special lecture on " Introduction to Social Entrepreneurship" to Dept of Computer Applications School of Computer, Information & Mathematical Sciences on 22/07/2020

Ms. K.Indragandhi

- Completed the course "complete Mathematics for Machine Learning" by udeemy during March,2021
- Completed the NPTEL course"Python for Data Science" by IIT Madras with Elite Silver on April 3rd ,2021
- Completed the course "Python for Machine learning" in UDEMY on April 30,2021

Alumni Achievement

- Ms Shahnaz Illyas B.Tech ECE (2011-2015) CLEARED UPSC Civil service in 2020

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

❖ Value Added Programmes Started

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Python Programming	August to December 2020	16 weeks	(IIT Bombay Spoken tutorial)	27	-	-
2	Python Programming	January to May 2021	16 weeks	(IIT Bombay Spoken tutorial)	16	-	-

❖ Details of Field visits organized by the Department

Sl.No	Participant Details				Name of accompanied faculty	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1	B.Tech. Electronics and Instrumentation Engineering	V & VII	-	12	Dr. D. Najumnissa Jamal	Virtual Visit to Nokia Network Solutions, Chennai	14.09.2021	Students learnt about the fabrication Process of Mobile circuit boards	No



❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Exploring career in Computer Aided Engineering	Webinar	08.10.2021	DOW IEC	Mrs. Caroline Nathan, Associate EIMT Manager, DOW IEC	5	30	–	–
2.	Easy Electronics for All	Webinar	24.07.2021	Akash Instruments	Mr. C. Balasubramaniam	3	12	–	38
3.	Internet of things in Instrumentation and control	Webinar	16.06.2021	Ostara Research, Chennai.	Mr.S. Rajkumar, Director – Technology Ostara Research, Chennai.	–	6	–	24

4	A journey from Idea to Product	Webinar	07.12.2020	National Institute of Technology, Silchar, Assam.	Dr. K. Shankar, Assistant professor, Department of Electronics and Instrumentation Engineering, National Institute of Technology, Silchar, Assam.	7	50	—	—
5	Importance of Engineering Education in the Modern world	Webinar	03.06.2021	BSA Crescent Institute of Science	Dr. A. Abudhahir, Professor(EIE), Director(IQAC) of BSA Crescent Institute of Science and Technology delivered the lecture.	—	—	—	51

❖ **Financial support for organizing Value added programme / Field visit / Workshop / FDP / Confernece / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	IEEE membership fees	July 2020 - June 2021	\$729	Total \$729 for (\$27 x 27 students)

❖ **Conferences / FDP / Seminars / Workshops Attended**

Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
Dr. D. Najumnissa Jamal	Five day FDP on “System design for Healthcare and Assistive Technologies”	FDP	14.06.2021 - 18.06.2021	Department of Electronics and Communication Engineering, Sri Sivasubramaniya Nadar College of Engineering Chennai - 603 110	NIL
	AICTE sponsored Machine learning techniques for image and Healthcare with Python	FDP	28.01.2021 - 10.02.2021	Department of Instrumentation Control Engineering, Sairam Engineering College	NIL
	The art of detangling the entangled - Guidance and Counselling	STTP	08.02.2021 - 13.02.2021	St Josephs College of Technology, Palai, Kerala	NIL
	AICTE sponsored six days short term training program on Artificial Intelligence and Deep learning techniques	STTP	30.11.2020 – 05.12.2020	Department of IT, B.S.A.Crescent Institute of Science and Technology	NIL
	Android App using Kotlin	FDP	10.08.2020 – 16.08.2020	Office of Dean, Academic Affairs, BSACIST In collaboration with IIT Bombay-ST	NIL
	National level Seven days -	FDP	02.07.2020 –	Governments Arts and	NIL

	FDP Moodle Learning Management System		08.07.2020	Science College, , Thiruvennainallur, Villupuram and spoken tutorial, IIT Bombay	
	Crescent LMS for faculty members	Training Program	04.08.2020	Office of Dean , Academic Affairs, BSACIS&T	NIL
	Smart waste water management	Webinar	11.10.2020	CIIC	NIL
	“Machine Learning Applications in Cloud Computing”	Webinar	26.05.2021	Organized by the Journal Club of SCIMS B.S. Abdur Rahman Crescent Institute of Science and Technology,	NIL
	Image Processing using MATLAB	Webinar	02.11.2020 - 06.11.2020	Andhra Pradesh State Skill Development Corporation. and Pantech solutions	NIL
Dr. G.Anitha	Multidisciplinary Roles of Pharmacist From Bench side to Bedside and Beyond”,	Webinar	28.06.2021	Sathyabama Institute of Science and Technology	NIL
	AI in Healthcare	FDP	14.12.2020-20.12.2020	SSN College of Engineering	NIL
	Machine learning Techniques for imaging and Healthcare with Python	FDP	28.01.2021-10.02.2021	Sri Sairam Engineering College	NIL
	Internet of Things, Big data Cloud-IDBC 2020-Phase II	STTP	17.08.2020 - 22.08.2020	CMR Institute of Technology, Bangalore	NIL
	Engineering Optimization-Methods and applications	Webinar	27.07.2020	Shri Eshwar College of Engineering, Coimbatore	NIL

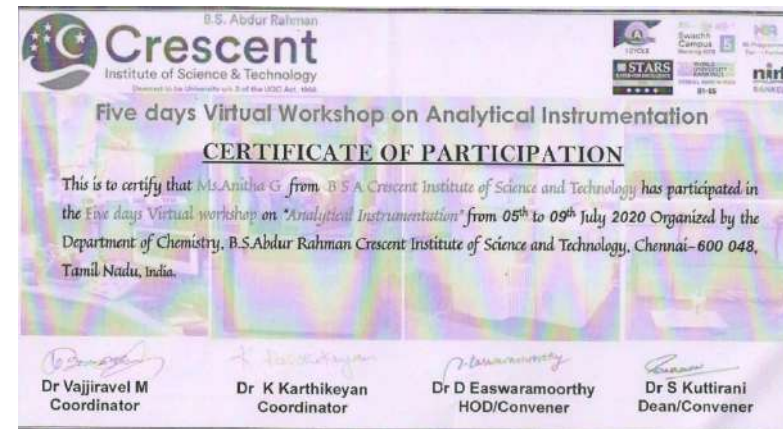
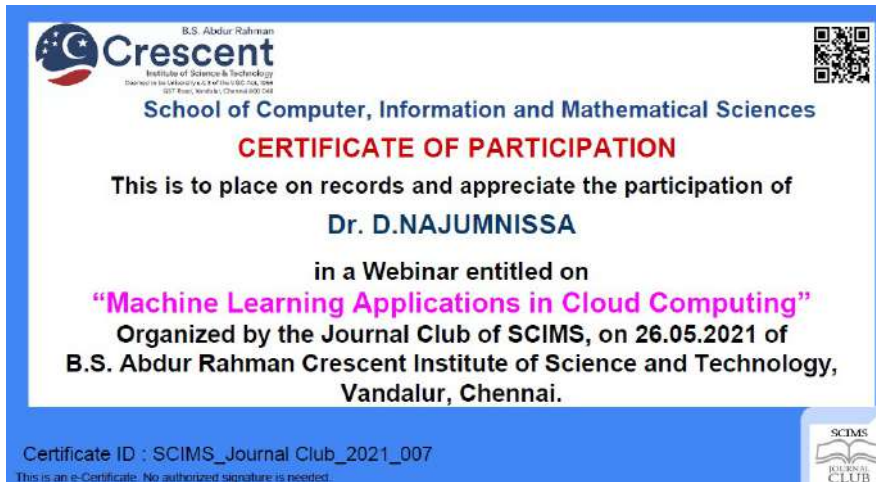
	Digital Image processing and its Techniques	Webinar	06.07.2020 - 10.07.2020	BSACIST	NIL
	Analytical Instrumentation	Webinar	05.07.2020 - 09.07.2020	BSACIST	NIL
Dr. M.S.Murshitha Shajahan	Artificial Intelligence and Deep Learning Techniques	STTP	01.02.2021-06.02.2021	Department of Information Technology BSACIST Chennai	NIL
Dr. P.R.Hemavathy	Electric vehicles charging and challenges	FDP	05.02.2021-09.02.2021	Department of EEE, College of Engineering, Vadakara.	NIL
	Biomedical Instrumentation - Research challenges	FDP	22.06.2021-26.06.2021	Amal Jothi College of Engineering, Kerala.	NIL
	Internet of things (Everything)-Future	STTP	07.09.2020-12.09.2020	BSACIST (AICTE Sponsored STTP)	NIL
	Experimental Aerodynamics A Visual Tour	Webinar	18.07.2020	Dept. of Mech. Engg., BSACIST	NIL
	Electric and Hybrid Electric Vehicles Powertrain	Webinar	17.07.2020	Dept. of Automobile, BSACIST	NIL
	Application of Moodle LMS training	FDP	11.07.2020-18.07.2020, 19.07.2020 - 25.07.2020	Dept. of MBA, BSACIST	NIL
	Adaptive Control	Webinar	09.07.2020	Francis Xavier Engineering College, Tirunelveli	NIL
Dr. H.Kareemullah	Advantages of being small micro electronics	Webinar	26.02.2021	Jagannath Institute of Technology	NIL
	Design of IoT sensors for Industrial Automation	Webinar	27.02.2021	Jagannath Institute of Technology	NIL
	Small home Automation system	Webinar	26.02.2021	Jagannath Institute of Technology	NIL
	Role of Embedded	Webinar	27.02.2021	Jagannath Institute of	NIL

	solutions for smart grid			Technology	
	Industrial Robotics	Webinar	30.04.2021	Jagannath Institute of Technology	NIL
	Finite element analysis on Electric motor and Electric vehicles	FDP	19.05.2021 - 27.05.2021	SRM Institute of science and Technology, Ramapuram	NIL
	Importance of Medical Equipment Testing & Calibration	Webinar	04.07.2020	KLE Dr.M.S.Sheshgiri College of Engineering & Technology, Belgavi.	NIL
	Moodle Learning Management System	FDP	02.07.2020 - 08.07.2020	Govt. of Arts and Science College Thiruveaialler and Spoken Tutorial IIT Bombay & MHRD, Govt Of India	NIL
	How to write research and review article	Webinar	27.02.2021 – 28.02.2021	Jagannath Institute of Technology	NIL



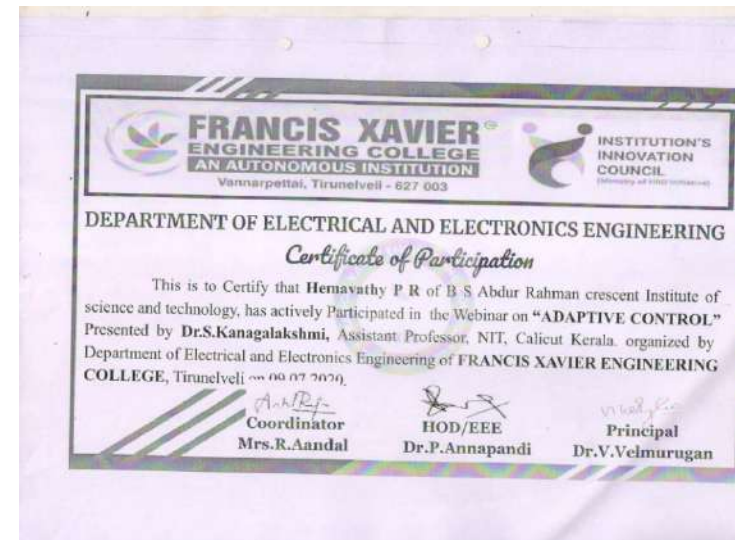




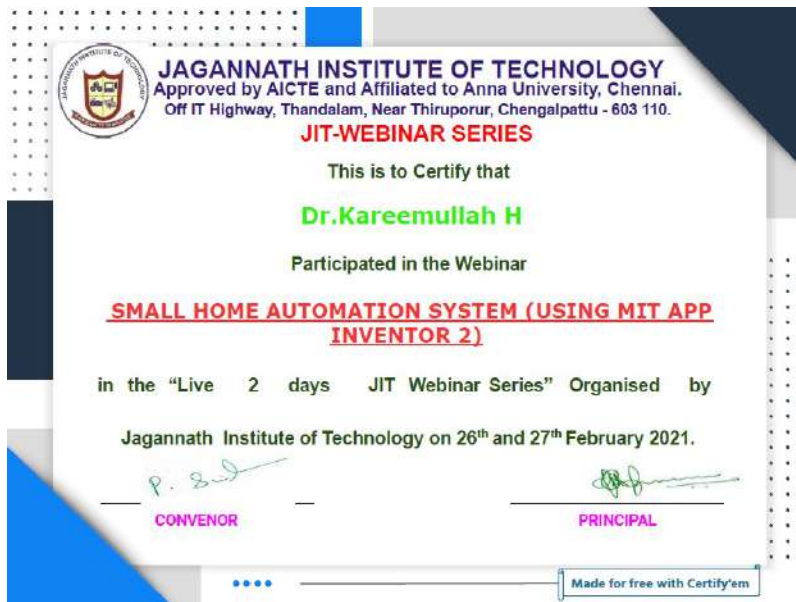














❖ **Papers Published/ Presented in Journals & Conferences (Total Numbers Only) (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	10	-	-	-	16	-	26

- ❖ **Details of Publication In National & International Journals & Conferences:**
- ❖ **International Journal & National Journal**

SCI/Scopus Indexed Journal

1. D Najumnissa Jamal, "Design for Automatic Epilepsy Seizure Detection using EEG Signals", *Engineering, Technology & Applied Science Research*, Vol. 10, No. 3, 5803-5807, 2020.
2. D Najumnissa Jamal, "Optimized Dual Path Analysis Using Finite Automata Theory in Wireless Sensor Networks", *International Journal of Intelligent Unmanned Systems*, Volume-8 Issue-3, ISSN: 2277-3878, September 2019.
3. D Najumnissa Jamal, Murshitha Shajahan M.S "Design of angle measuring device for Synovial Joint Applications", *GEDRAG & ORGANISATIE Review*, volume 33 : issue 02 - 2020.
4. D Najumnissa Jamal, "Intelligent Plant Disease Identification System Using Machine Learning, Engineering Proceedings, MDPI", *MDPI Journal*, Eng. Proc, 2, 49; doi:10.3390/ecsa-7-08160, 2020.
5. Anitha G, "Identification and characterization of Choroidal Neovascularization using eHealth data through an optimal classifier", *Electronic Government, an International Journal*, Vol. 16, Nos. 1/2, 2020.
6. H.Kareemullah, "Ultra low power robust 12T SRAM Architecture based on Parallel Cross Coupling Feedback" ,*Journal of Critical reviews*, VOL 7, ISSUE 19, 2020.
7. P. R. Hemavathy, "Internal model controller based PID with fractional filter design for a nonlinear process", *International Journal of Computer and Electrical Engineering*, 10.11591/ijece.v10i1.pp 243-254.
8. P. R. Hemavathy, "Design of Smith Predictor Based Fractional Controller for Higher Order Time Delay Process", *Computer modeling in engineering sciences*, 10.32604/cmescs.2019.04731.
9. Susai Mary J, "Monitoring of drill runout using Least Square Support Vector Machine classifier", *Measurement Journal of the International Measurement Confederation*, Volume 146, Pages 24-34, November 2019.
10. J. Susai Mary, "Prediction and Geometric Adaptive Control of Surface Roughness in Drilling Process", *FME Transactions*, Vol-47, No-3, 2019,424-429.

11. Murshitha Shajahan M.S,D Najumnissa Jamal "Controller design using quantitative feedback theory for thermal power plant process", *Case Studies in Thermal Engineering, Elsevier Publications*, Volume 14, 100441, September 2019.
12. D Najumnissa Jamal, "Optimized Routing Protocols for Data Monitoring in Wireless Sensor Network", *International Journal of Recent Technology and Engineering*, Volume-8, Issue-3, September 2019.
13. D Najumnissa Jamal, "A Low Power and High Performance Hardware Design for Automatic Epilepsy Seizure Detection", *INTL Journal Of Electronics and Telecommunications*, VoL. 65, NO. 4, PP. 707-712, 2019.
14. D Najumnissa Jamal, "Comparative analysis of energy based optimized dynamic source multipath routing protocol in WSNs", *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 16, No. 1, October 2019.
15. D Najumnissa Jamal, "Multiloop FOPID Controller Design for TITO Process Using Evolutionary Algorithm", *International Journal of Energy Optimization and Engineering*, Volume 8, Issue 3, July-September 2019.
16. Murshitha Shajahan M.S , D Najumnissa Jamal, "Controller design using quantitative feedback theory for thermal power plant process", *Case Studies in Thermal Engineering, Elsevier Publications*, Volume 14, 100441, September 2019.

International Conference & National Conference:

- 1) Najumnissa Jamal D "Analysis of Influence of Yoga-Asana on the Digestive process using Electrogastrograms, Proceeding",*3rd International Conference on Computing and Communication System* organized bythe Department of Information Technology, North-Eastern Hill University, Shillong, India, 2020
- 2) Najumnissa D "Analysis of Stuttered speech using MFCC and Naive Bayes Classifier ",*3rd International Conference on Recent Trends In Science And Technology*, organized by GKM College of Engineering & Technology and TECHOWN, 2020
- 3) Murshitha Shajahan M.S., Najumnissa Jamal. D " ,Empirical Investigation and comparison of different viscosity liquids with increasing temperature", *IEEE International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE'20)*, Information Technology and Engineering, VIT, Vellore , 27 April 2020

- 4) Najumnissa Jamal D “,Ultrasound Renal Abnormalities detection using ANN and Scale Invariant feature Transform “,*2nd International Conference on Latest Trends in Engineering and Management Pondicherry*, organized by IFERP ,2019
- 5) Najumnissa Jamal D , “Convolutional Neural Network Approach for Estimating Physiological States Involving Face Analytics“, *IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS 2019)*, Selangor, Malaysia , 29-29 June 2019
- 6) Najumnissa D ,Murshitha Shajahan M S, Advanced Dust Separation System In Coal Handling Plant In Thermal Power Station, *2ndInternational Conference on Recent Trends in Science and Technology (ICRTST)*, organized by GKM College of Engineering & Technology & TECHOWN, 2019
- 7) Najumnissa D, “Analysis of the Effect of Different Music on Students Using ECG Signals,” *Second International Conference on Recent Trends in Science and Technology (ICRTST – 2019)*,GKM College of Engineering & Technology & TECHOWN, 2019.
- 8) M. S. Murshitha Shajahan, D. Najumnissa, “Controller Design Using BFOA For Thermal Power Plant Process “,*Second International Conference on Recent Trends in Science and Technology (ICRTST – 2019)*, organized by GKM College of Engineering &Technology & TECHOWN, 2019.
- 9) Najumnissa D, M. S. Murshitha Shajahan, “Acquisition of Data From a Prototype Boiler Tube Leakage System and Analysis using ANN and Naive Bayes“, *Second International Conference on Recent Trends in Science and Technology (ICRTST – 2019)* , organized by GKM College of Engineering & Technology, 2019.

❖ **Details of Impact Factor Of The Publication and H-Index**

A) Range B) Average C) H-Index D) No. In Scopus

A) 0.5 to 4.639 B) 1.2 C) 10 D) 13

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1	Dr. D. Najumnissa Jamal Dr. S Hameed Kadar Ali Mrs. Syed Rafiammal S	KIRAN Cognitive Science Research Initiative Ministry of Science & Technology Department of Science & Technology Technology Bhavan New Delhi-110016	Development of Electronic Device for Psychological Stress Level Assessment through Physiological Signals Using Artificial Intelligence And Deep Learning Methods."	-	-	-	-	Applied on 15.03.2021 Results awaited

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	D.Najumnissa Jamal	Analysis of Influence of Yoga-Asana on the Digestive Process Using Electrogastrograms, Lecture Notes in Networks and Systems, Volume 170, August, 2020, ISBN	-	-	Springer, Nehu, India.	https://link.springer.com/chapter/10.1007/978-981-33-4084-8_40

		978-981-33-4083-1, ISBN 978-981-33-4084-8 (eBook), pp 423 – 429.,				
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❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	Artificial Intelligence Based Prediction of Kidney Injury Due To Drug.	-	Application No.202141010368, Publication Date: 19/03/2021 in the Official Journal of the Patent Office, Issue No. 12/2021, pg14076.	-	Nil
2	Correlation Between Oct and Fundus Image For Optic Nerve Defect and Cup Depth Detection	-	Application No. 202141010409 Publication Date: 19/03/2021 Office of the Controller General of Patents, Design & Trade Marks.	-	Nil

(12) PATENT APPLICATION PUBLICATION (21) Application No.202141010368 A
 (19) INDIA
 (22) Date of filing of Application :11/03/2021 (43) Publication Date : 19/03/2021

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED PREDICTION OF KIDNEY INJURY DUE TO DRUG REACTION

(51) International classification	:G16H0050200000, G16H0050500000, G16H0010600000, G16H0050700000, G16H0050300000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
 1)Dr. Veeram Jaya Sankar Reddy,Krishna Teja Pharmacy College
 Address of Applicant : Krishna Teja Pharmacy College Chaulalawada Nagar, Renigunta Road, Tirupati, Chittoor (Dist) Andhra Pradesh India 517501. Andhra Pradesh India
 2)Dr Anand HS,Muthoot Institute of Technology and Science
 3)T. Mangayarkarasi,Sri Sairam Engineering College
 4)Dr.D.Najumissa,B.S.A.Crescent Institute of Science and Technology
 5)Megha J.KSSEM
 6)Gargi N.KSSEM
 7)Swathi Darla,KSSEM
 8)K V Shafini,KSSEM
 9)Dr.S.Subhashini,Rathinam College of Arts and Science
 10)Dr. Animesh Kumar Sharma,Swami Vivekanand College of Agricultural Engineering and Technology and Research Station
 (72)Name of Inventor :
 1)Dr. Veeram Jaya Sankar Reddy,Krishna Teja Pharmacy College
 2)Dr Anand HS,Muthoot Institute of Technology and Science
 3)T. Mangayarkarasi,Sri Sairam Engineering College
 4)Dr.D.Najumissa,B.S.A.Crescent Institute of Science and Technology
 5)Megha J.KSSEM
 6)Gargi N.KSSEM
 7)Swathi Darla,KSSEM
 8)K V Shafini,KSSEM
 9)Dr.S.Subhashini,Rathinam College of Arts and Science
 10)Dr. Animesh Kumar Sharma,Swami Vivekanand College of Agricultural Engineering and Technology and Research

(12) PATENT APPLICATION PUBLICATION (21) Application No.202141010409 A
 (19) INDIA
 (22) Date of filing of Application :12/03/2021 (43) Publication Date : 19/03/2021

(54) Title of the invention : CORRELATION BETWEEN OCT AND FUNDUS IMAGE FOR OPTIC NERVE DEFECT AND CUP DEPTH DETECTION

(51) International classification	:G06T0007000000, A61B0005000000, A61B0003120000, A61B0003140000, G16H0030400000	(71)Name of Applicant : 1)Dr. P. NIRMAL KUMAR Address of Applicant :Plot no 48, VPK street, Heritage phase-1 properties, Perugudi, Chennai, Tamilnadu, Pin code-600096, Tamil Nadu India 2)Dr. H. Kareemullah 3)Dr. Deepa Jose 4)Dr. T. R. Ganesh Babu 5)Dr. R. Praveena 6)V. Sudha (72)Name of Inventor : 1)Dr. P. NIRMAL KUMAR 2)Dr. H. Kareemullah 3)Dr. Deepa Jose 4)Dr. T. R. Ganesh Babu 5)Dr. R. Praveena 6)V. Sudha
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
 Glaucoma is a serious eye disease which can develop complications when not identified at its initial stage. Retinal nerve defect detection is one of the most vital parameter that is required to be analysed to avoid blindness. As optic nerve connects the brain it is most necessary to find the defect at the early stage itself. After computing the nerve defect for OCT and fundus images they are correlated to find exactly in which quadrant does the defect lie so that it can save the time of the ophthalmologists for detection. Following this a computational model is developed using certain machine learning algorithm to estimate the cup depth so that the severity level of cup can be easily identified.

No. of Pages : 8 No. of Claims : 3

❖ International Visits by Faculty / Students

Sl. No.	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Mr. G. Joy Mathew	GITEX Global 2021	UAE (Dubai)	Fund raising for student startup (TRADENT Pvt.ltd)	09.10.2021 - 21.10.2021	Won second position in UNIPRENEUR Event



❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Dr. D.Najumnissa Jamal,	Certificate of excellence in reviewing in outstanding contribution to the quality of the Asian Journal of Research in Computer Science.	Asian Journal of Research in Computer Science.	2021
2	Dr. Murshitha Shajahan, Dr .D.Najumnissa Jamal,	Received Seed money grant for Rs,50000/- towards Fabrication of Novel Low Cost Biogas Sensors	CIIC	March, 2021



❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Mr. Varshan Mohan	180061601014	Completed a Mitacs Globallink Research Internship	MITACS Globallink	October, 2021
2	Mr. M. Z. Mohamed Irfan	190061601006	FIT India Freedom Run 2.0 for the Celebration of 75th Independence Day (Azadi ka Amrut Mahotsav)	Sports Development Authority of Tamil Nadu [SDAT], Chengalpattu	September, 2021
3	Mr. Joy Mathew	180061601004	Participated at Formula Bharat 2021, being the chief business & electronics developer, solely gave the business pitch and won 26th place.	Formula Bharat an Indian Formula Student Competition	January – February, 2021

4	Mr. Abdul Jaleel	180061601001	Awarded the best video editor for Social Service Acts (2019 - 2020)	CBD (Crescent Blood Donors).	2020
5	Mr. Abdul Kadar Thaqib	190061601001	Is a Co-Founder and the executer of hangmeframes,	Instagram page that sells wall decorations and which holds 2400 followers.	2020
6	Dr. Lakshmanaprabu, S. K.	Ph.D Scholar	Stanford's List of Top 2% Scientists across the globe	Stanford University	2021

**MITACS Globalink
CERTIFICATE OF COMPLETION**

VARSHAN MOHAN

This certifies that VARSHAN MOHAN has successfully completed a Mitacs Globalink Research Internship effective October 2021.

Project Title: A Framework to Deal Efficiently with Uncertainty in Systems using Rough Sets, Fuzzy Logic, and ANNs
Host University: University of Regina – Regina
Host Professor: wei peng

Globalink Research Internships are 12 weeks in duration and interns are required to work 40 hours per week.

October 10th, 2021



Gail Bowkett
Vice President of Programs




**FIT
INDIA**


DISTRICT YOUTH OFFICER
 NYKS, CHENGALPATTU

NEHRU YUVA KENDRA SANGATHAN - CHENGALPATTU
SPORTS DEVELOPMENT AUTHORITY OF TAMILNADU - CHENGALPATTU
NATIONAL SERVICE SCHEME - CHENGALPATTU



PARTICIPATION CERTIFICATE

This is to certify that

SELVAN/SELVI/MR./MRS. MOHAMED IREAN M.Z.
 has participated in the "FIT INDIA - FREEDOM RUN 2.0"
 hold at Chengalpattu Collectorate on 11.09.2021

His / Her participation is highly appreciated.


**DISTRICT SPORTS & YOUTH
WELFARE OFFICER**
 SDAT, CHENGALPATTU


**DISTRICT NSS
NODAL OFFICER**
 CHENGALPATTU


DISTRICT COLLECTOR
 CHENGALPATTU

Place: Chengalpattu Date: 11.09.2021



CERTIFICATE OF PARTICIPATION

FORMULA BHARAT 2021

JAN 23 - FEB 21, 2021 | COMBUSTION | VIRTUAL



THIS CERTIFICATE IS BEING PRESENTED TO

BAR CODE:
FB2021-CV-0949

Joy Mathew G

46 Team Cresonite Racing

B.S. Abdur Rahman Crescent Institute of
Science and Technology

AUTHORIZED BY CATHY D'SOUZA, EVENT MANAGER (FORMULA BHARAT) & DIRECTOR (CURIOSUM TECH) | INFO@CURIOSUMTECH.IN



Table 1_Authors_singleyr_2020_wopp_extracted_202108 - Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
23828	Kumar, Manish	Atma Ram Sanatan Dharma Colle	ind	41	2004	2020	1,73,643	704	11	4.1167	0	0	9	277	27	637	2
23966	Lele, Sharachchandra	ATREE	ind	58	1991	2021	50,124	395	10	5.9895	15	149	32	261	43	301	3
24078	Amalraj, Augustine	Aurea Biolabs (P) Ltd	ind	44	2013	2021	1,58,038	501	13	5.9600	0	0	26	326	26	326	2
24272	Laha, K.	AUSC Mission Directorate	ind	234	1990	2021	1,26,971	641	10	6.6643	1	5	22	125	94	307	2
24391	Bhardwaj, Nishi Kant	Avantha Centre For Industrial Res	ind	131	1988	2021	2,04,989	451	12	6.7000	1	3	19	41	48	186	2
24431	Radhakrishnan, Kurupath	Avitis Institute of Medical Scienc	ind	244	1976	2021	89,471	540	11	5.5710	10	16	61	181	166	393	2
24441	Prakash, J.	Avvaiyar Government College fo	ind	41	2015	2021	1,76,420	391	13	6.7333	0	0	20	199	33	321	2
24717	Patel, Ram N.	Awadhesh Pratap Singh Universit	ind	141	1989	2021	3,96,326	155	5	3.8024	12	7	97	104	117	109	2
24730	Nagendra, Harini	Azim Premji University	ind	138	1997	2021	8,499	1,760	21	11.4791	14	120	45	497	87	891	3
24742	Corda, Christian	B.M. Birle Science Centre	ind	189	2004	2021	1,41,177	267	7	4.7863	57	78	77	94	100	153	2
24815	Hegde, Gurumurthy	B.M.S. College of Engineering	ind	140	2004	2021	2,97,128	427	12	5.2611	1	0	23	42	77	321	2
24860	Pandurangan, Ashok Kumar	B.S.Abdur Rahman University	ind	46	2008	2021	94,282	397	11	5.9143	1	18	22	238	24	245	2
24921	Athikesavan, Muthu Manokar	B.S.Abdur Rahman University	ind	65	2014	2021	1,20,154	575	14	6.1961	2	4	17	165	28	224	2
24930	MubarakAli, Davoodbasha	B.S.Abdur Rahman University	ind	47	2011	2021	1,35,262	879	14	4.6691	2	3	11	183	15	206	2
24991	Lakshmanaprabu, S. K.	B.S.Abdur Rahman University	ind	49	2014	2020	1,81,508	553	15	4.7238	0	0	17	230	31	296	2
25040	Jan, Arif Tasleem	Baba Ghulam Shah Badshah Univ	ind	51	2009	2021	38,901	737	10	4.9353	1	115	15	467	21	494	3
25068	Pandey, Vimal Chandra	Babasaheb Bhimrao Ambedkar U	ind	57	2007	2021	40,121	547	11	7.9857	6	58	36	378	39	401	3
25082	Singh, Jay Shankar	Babasaheb Bhimrao Ambedkar U	ind	56	2004	2021	46,723	683	13	7.9095	5	23	30	318	43	434	3
25487	Bharagava, Ram Naresh	Babasaheb Bhimrao Ambedkar U	ind	76	2006	2021	50,999	1,113	19	8.2556	2	5	19	186	42	638	3
25521	Arora, Naveen Kumar	Babasaheb Bhimrao Ambedkar U	ind	62	1999	2021	52,585	620	13	8.6083	4	22	22	159	53	533	3
25710	Chandra, Ram	Babasaheb Bhimrao Ambedkar U	ind	108	2000	2021	60,886	649	13	8.9262	4	5	49	347	88	541	3
25979	Arora, Pankaj Kumar	Babasaheb Bhimrao Ambedkar U	ind	35	2009	2021	97,446	351	9	5.9500	4	24	28	194	33	333	2
26074	Bhadauria, B. S.	Babasaheb Bhimrao Ambedkar U	ind	108	2000	2021	1,61,340	235	7	4.9833	19	32	56	131	82	172	2
26238	Yadav, B. C.	Babasaheb Bhimrao Ambedkar U	ind	157	2002	2021	1,82,293	675	12	7.7782	1	0	39	83	88	343	2

Dr. Lakshmanaprabu, S. K.Stanford's List of Top 2% Scientists across the globe

❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	SEIE	Inauguration	6	53	2	Mr. Venakataraman Balaji, General Manager-Quality Assurance in Adani Corporate House, Ahmadabad	Students came to know about the the skills necessary for future development	“Leader’s skills for tomorrow”.

❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Career Guidance Program for School students	1	105 Plus two School students	2 Teachers	Muslim Higher Secondary School, Abiramam, Ramnad District	28.02.2021	Students were able to know about the courses in Engineering and Instrumentation



❖ **Any Other Information**

Dr. M.S. Murshitha Shajahan successfully completed her Ph.D. on 28.08.2020 under the guidance of Dr. D. Najumnissa Jamal HoD and Dean (SECS).

SCHOOL OF INFRASTRUCTURE

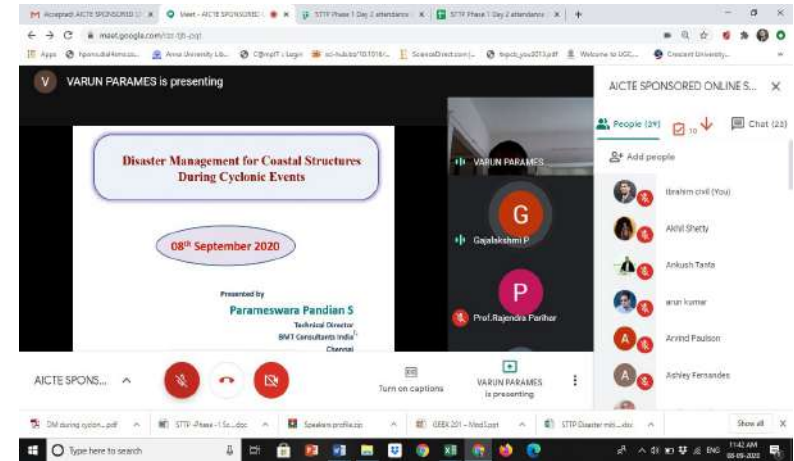
➤ DEPARTMENT OF CIVIL ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

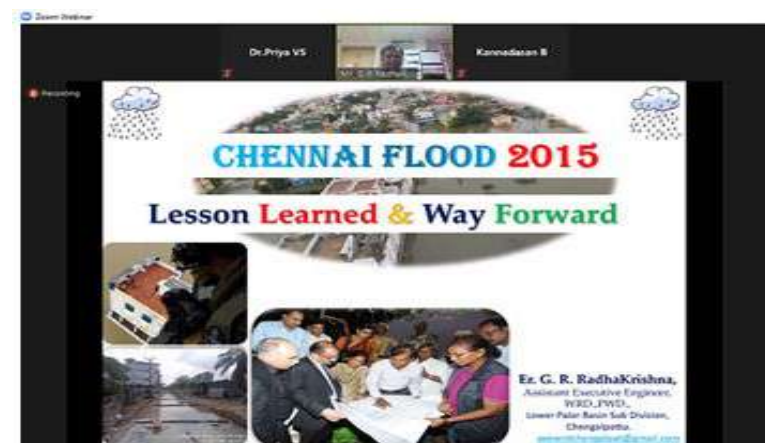
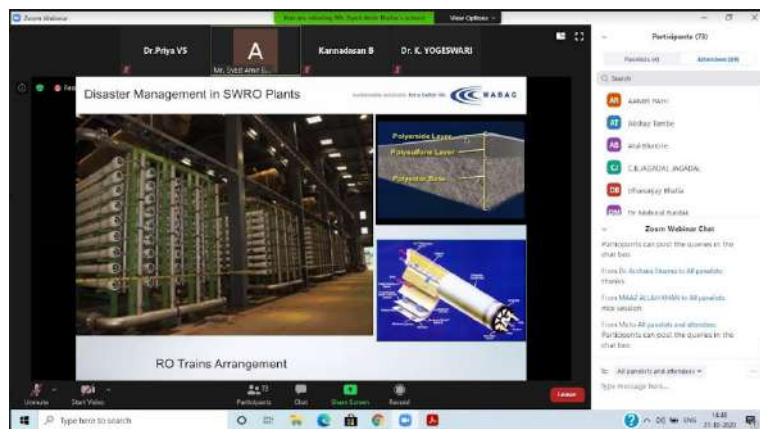
❖ Training Programmes Offered

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Short Term Training Programme (STTP) – Disaster mitigation: A shift from disaster management towards disaster preparedness (Phase-1)	07.09.2020 - 12.09.2020	68	AICTE, New Delhi	12	52	-
2.	Short Term Training Programme (STTP) – Disaster mitigation: A shift from disaster management towards disaster preparedness (Phase-2)	19.10.2020 - 24.10.2020	68	AICTE, Newdelhi	14	53	-
3.	Short Term Training Programme (STTP) – Disaster mitigation: A shift from disaster management towards disaster preparedness (Phase-3)	16.11.2020 - 21.11.2020	68	AICTE, New Delhi	14	57	-
4.	Value added course on Virtual Design and Construction	14.06.2021- 26.06.021	30	De Novo Software Solutions	16	-	-

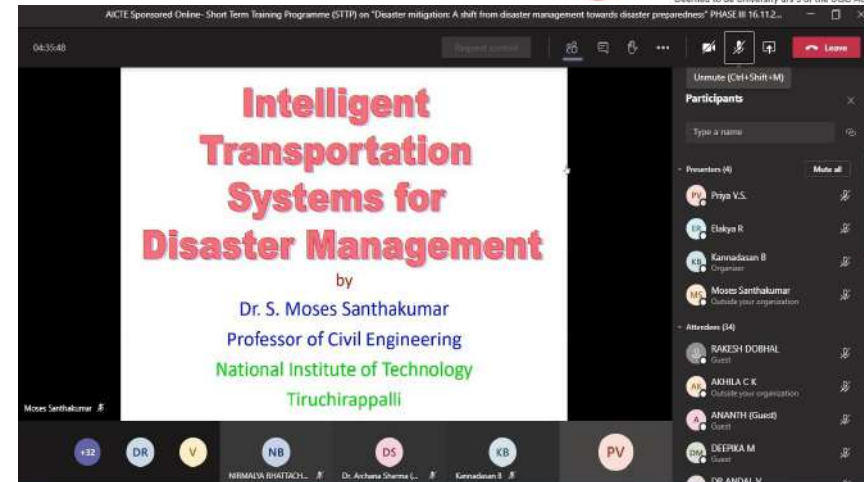
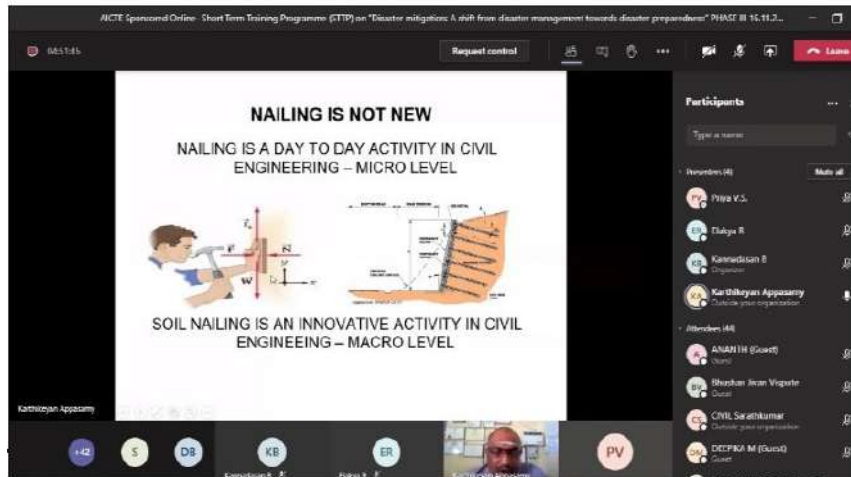
Important remarks:



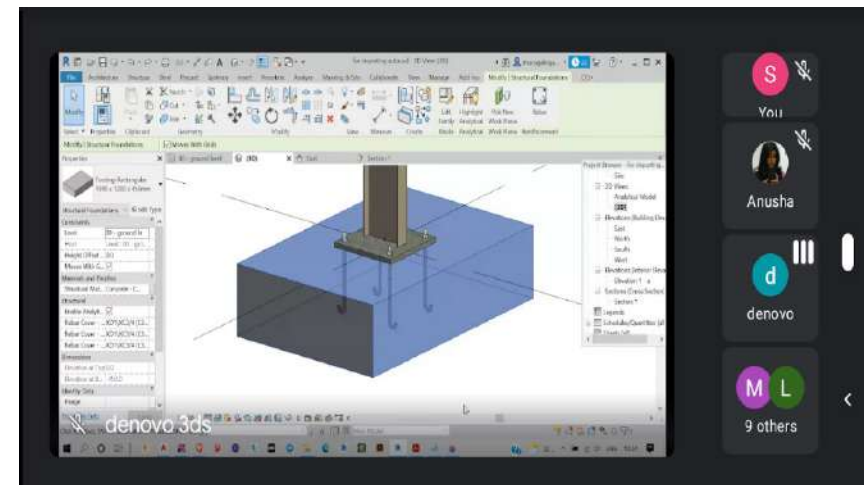
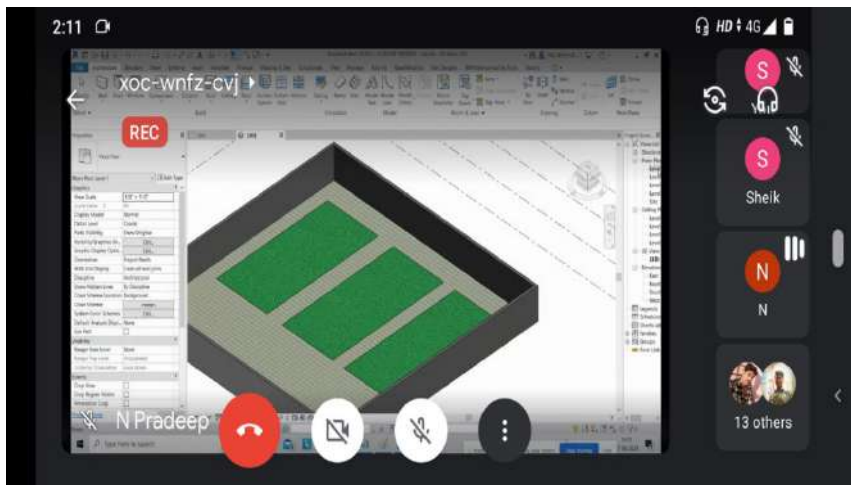
Short Term Training Programme (STTP) – “Disaster mitigation: A shift from disaster management towards disaster preparedness” (Phase-1)



Short Term Training Programme (STTP) – “Disaster mitigation: A shift from disaster management towards disaster preparedness” (Phase-2)



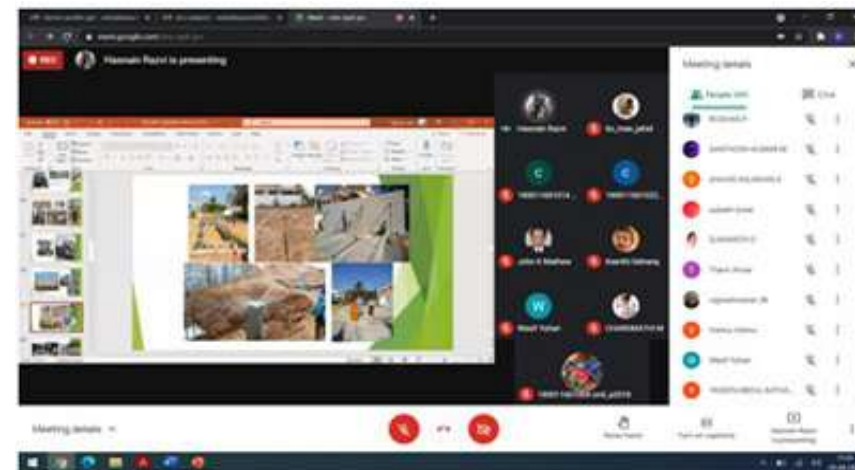
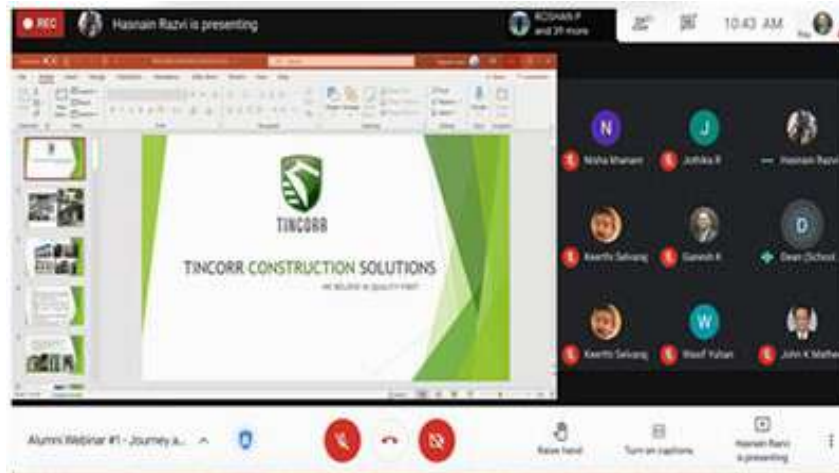
Short Term Training Programme (STTP) – “Disaster mitigation: A shift from disaster management towards disaster preparedness” (Phase-3)



Value added course on “Virtual Design and Construction”

❖ **Interdisciplinary Programmes Conducted**

Sl. No.	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1.	Webinar on Journey as an Entrepreneur in Civil Engineering Field	Office of Alumni Relations	56	2	-	Provided an excellent perspective to the students in understanding the qualities and skills required for an entrepreneur to succeed in their field, by exemplary work quality and on-time delivery.



Webinar on Journey as an Entrepreneur in Civil Engineering Field

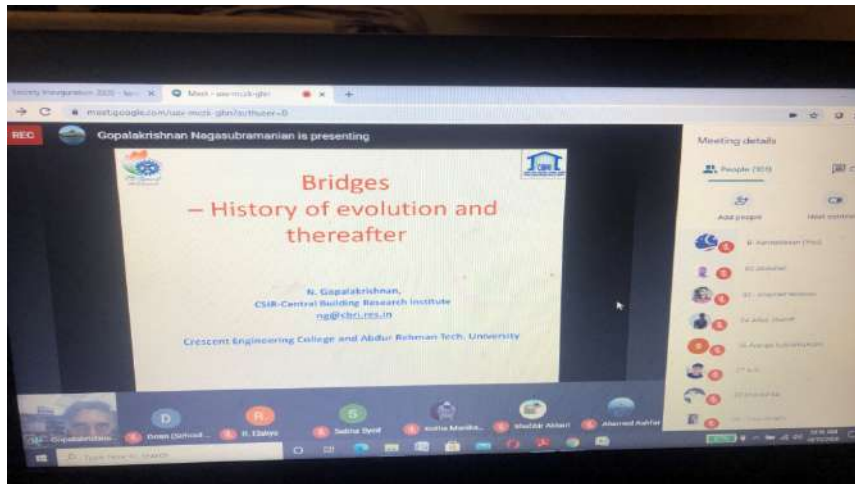
❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Overview of finite element method used in software analysis packages	Webinar	10.08.2020	-	Dr. R. Santhakumar. Professor, NITTTR, Chennai	3	16	-	-
2	Bridges & its Protective Measures	Webinar	27.08.2020	-	Er. M. Ravikumar, Deputy General Manager (Structural Division), L & T Infrastructure Development Projects Limited, Chennai	2	40	-	-
3	Bridges – History of Evolution and thereafter	Lecture in Inauguration of Society of Civil Engineers	15.10.2020	-	Dr. N. Gopalakrishnan Director / Scientist CSIR- Central Building Research Institute (CBRI), Roorkee	15	70	-	-
4	Talk 1: Importance of PMI	Lecture in Establishment and Inauguration of first academic	16.03.2021	Project Management Institute, PMI Chennai chapter,	Dr. B. Shyam Sundar, Associate Vice President- Academia, Vice Chair – Academic Forum, PMI, Chennai	15	54	-	-

	Talk 2: Role of project Management in Engineering and Construction	forum in Tamilnadu “PMI Chennai – Crescent Academic Forum”		Tamilnadu	Chapter Mr. Tony Jacob, PMP and Associate Vice President, E & C Forum, PMI, Chennai Chapter				
5	Rain Water Harvesting for Urban Areas	Webinar	22.03.2021	-	Dr.Sekhar Raghavan, Director, Rain Centre, Adyar, Chennai	3	80	-	-
6	Career Opportunities in Civil Engineering	Webinar	12.04.2021	-	Dr. Leon Raj, Scientist from CSIR-North East Institute of Science & Technology, Jorhat, Assam	2	41	-	-
7	Hands on training on STAAD Pro. Software (polytechnic students)	Workshop	15.05.2021	-	Dr.P.Gajalakshmi, Professor, Department of Civil Engineering. BSACIST Mr.A.Manivannan, Assistant Professor, Department of Civil Engineering. BSACIST	-	-	-	22
8	Hands on training on STAAD Pro. Software (B.Tech./B.E Final year students)	Workshop	22.05.2021	-	Dr.P.Gajalakshmi, Professor, Department of Civil Engineering. BSACIST Mr.A.Manivannan, Assistant Professor, Department of Civil Engineering. BSACIST	-	-	-	25

9	Civil in Power Sectors	Lecture in National Level Technical Symposium "CIVICLAN 2K21"	26.05.2021	-	Er. R. Gowthaman, Additional Chief Engineer Civil (Retd.), Tamil Nadu Electricity Board Chennai	6	45	-	94
10	Talk 1: Green Buildings- The way of life Talk 2: Climatic change and Pandemic issues	Webinar series - "World Environment Day" celebration	03.06.2021	-	Dr C. Velan, City Head – Chennai Operations. Mr. Sundarrajan G, Core member of Poovulagin Nanbargal	8	48	-	-
11	Webinar on Digital learning	Webinar	05.06.2021	-	Dr. J. Mangayarkarasi, Dean of Academic Affairs & Head, PG and Research Department of English, Ethiraj College for Women, Chennai.	4	-	-	25
12	Webinar on Career Advancement for Diploma Students in Civil Engineering	Webinar	17.06.2021	-	Er. K.K. Shanmugavel, Senior Section Engineer, Southern Railways, Ramanathapuram	4	-	-	125
13	Workshop on Concrete Mix Design	Workshop	26.06.2021	-	Mr.R.Sivaramakrishnan, Technical Manager, JK white Cement Dr.M.Purushothaman, Associate Professor, Department of Civil and	12	-	-	25

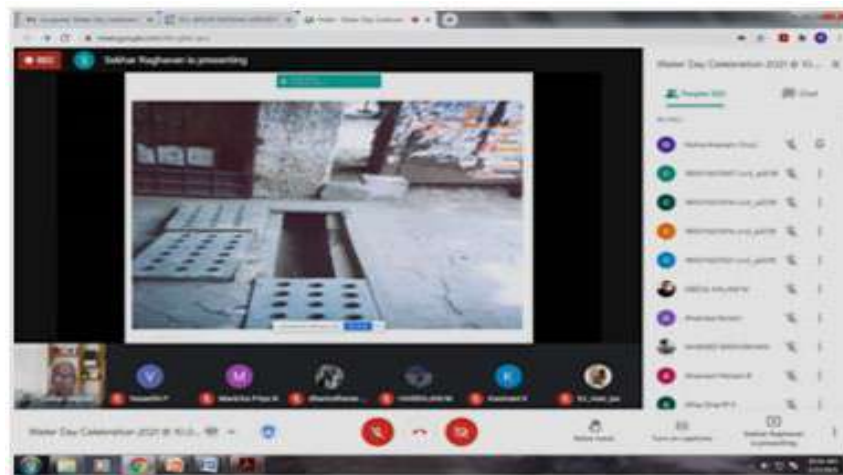
					Structural Engineering, Annamalai University.				
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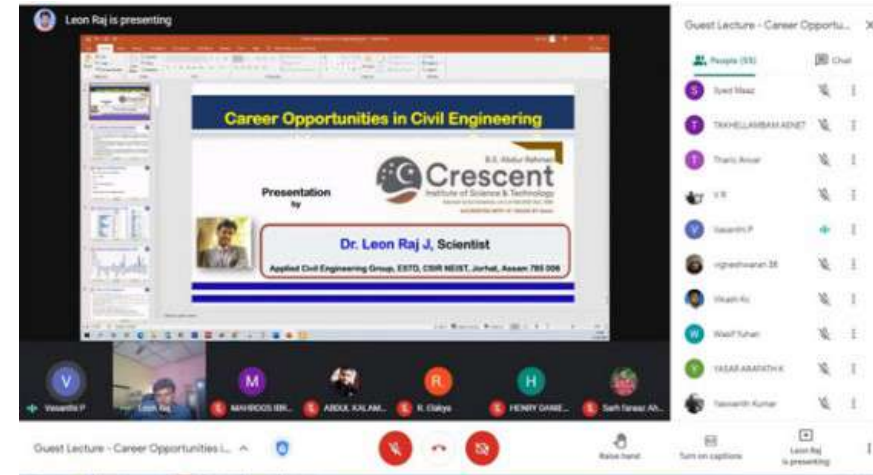
Inauguration of Society of Civil Engineers



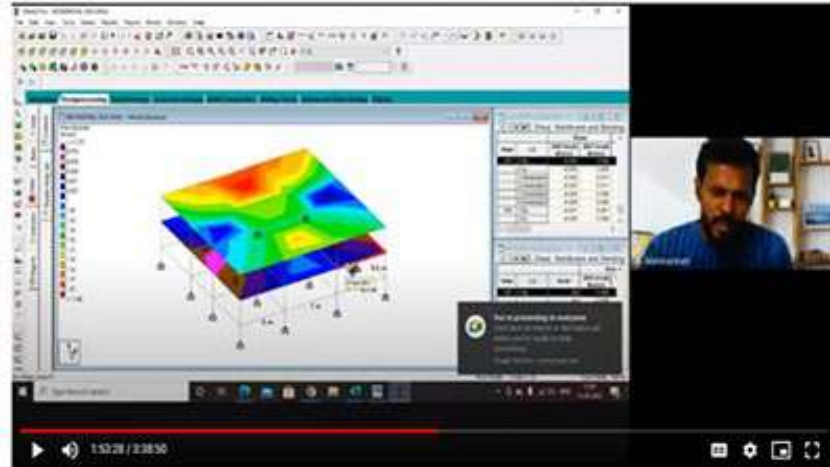
Inauguration of first academic forum in Tamilnadu “PMI Chennai – Crescent Academic Forum”



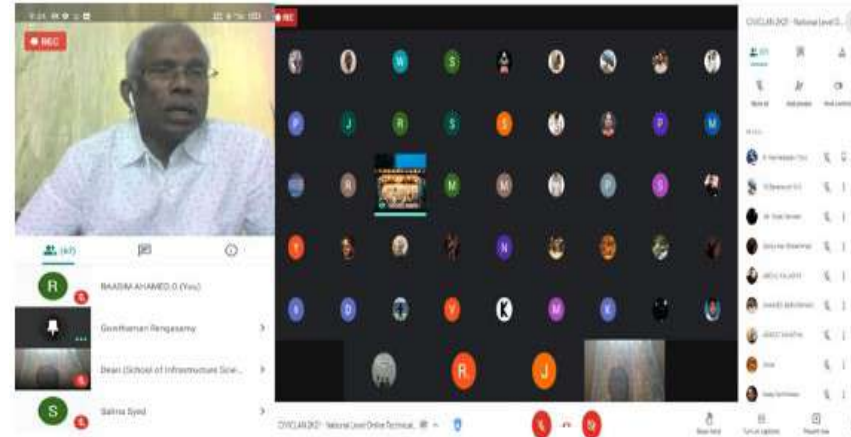
Webinar on Rain Water Harvesting for Urban Areas



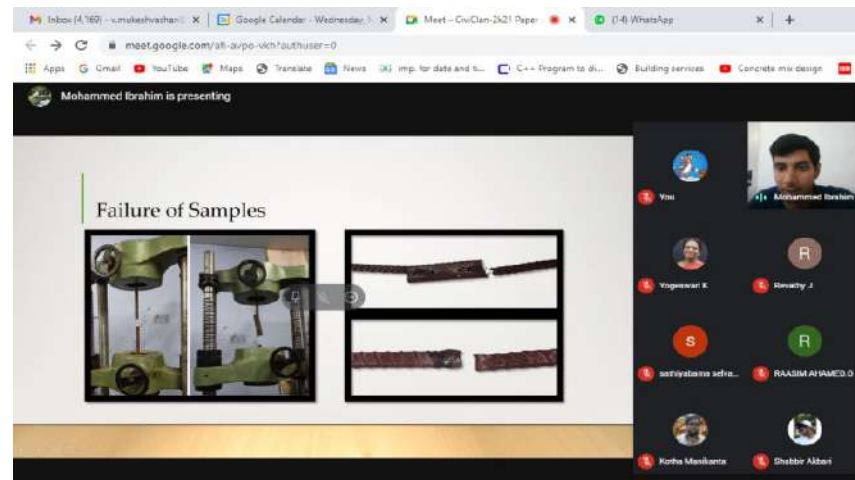
Webinar on Career Opportunities in Civil Engineering



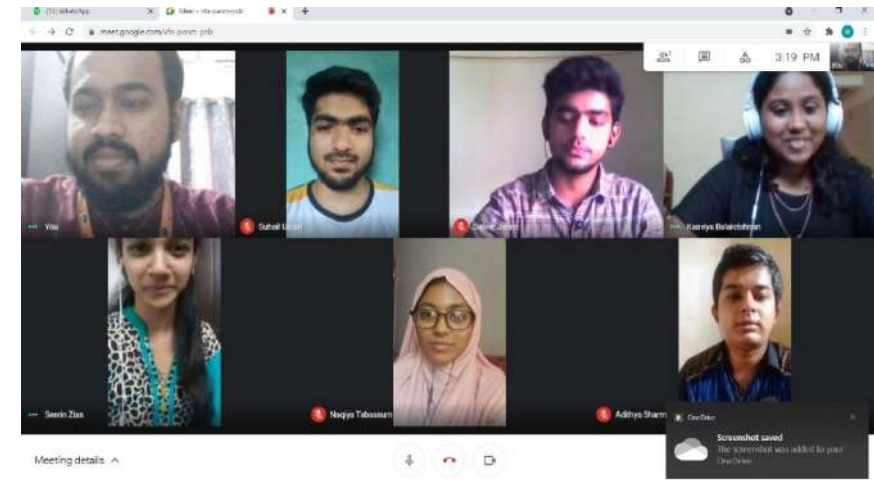
Workshop on STAAD Pro. Software



Inauguration of CIVICLAN 2K21 – National Level Technical Symposium



CIVICLAN 2K21 – Technical Events



CIVICLAN 2K21 – Non Technical Events



Webinar series - “World Environment Day” celebration



Webinar on Digital learning



Webinar on Career Advancement for Diploma Students in Civil Engineering

- ❖ **Financial support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1.	Inauguration of PMI Chennai, Crescent Academic Forum	16.03.2021	Rs. 3228	-
2.	Webinar on Career Opportunities in Civil Engineering	12.04.2021	Rs. 2000	-
3.	Consultative Meeting	13.05.2021	Rs. 20000	-
4.	CRESWIZARD 2021 – National Level Science Quiz Contest	08.05.2021	Rs. 3250	-
5.	National Level Technical Symposium “CIVICLAN 2K21”	26.05.2021	Rs. 19000	-
6.	Webinar on Digital learning	05.06.2021	Rs. 2000	-
7.	TECHNICAL QUIZ CONTEST (For Diploma in Civil Engineering students)	14.06.2021	Rs. 8000	-
8.	Webinar on Career Advancement for Civil Engineers	17.06.2021	Rs. 2000	-
9.	Virtual workshop on Mix design of Concrete	26.06.2021	Rs. 4000	-

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Dr. P. Vasanthi	Orientation Training Programs for Mentors	FDP	14.06.2021-18.06.2021	AICTE, Newdelhi	-
2.	Dr. M.S. Haji Sheik Mohammed	National Webinar on Use of Innovative Materials for Concrete Applications	Webinar	29.05.2021	ICI, Chennai Chapter and IIT Madras in association with UltraTech Cement.	-
3.	Dr.A.K.Kaliluthin	Three days FDP on "Research Paper Drafting, Funding & Patent Methodologies"	FDP	02.07.2020 - 04.07.2020	Dr. N.G.P. Institute of Technology, Coimbatore	-
		FDP on Moodle Learning Management system	FDP	02.07.2020 - 08.07.2020	Government Arts and Science College, Thiruvannainallur	-
		International Conference on Emerging Research trends in Structural Engineering	International conference	16.07.2020 - 17.07.2020	VIT Chennai	-
		Urban Frameworks for Indian Cities	Webinar	22.07.2020	Adithya Institute of Technology	-

		Online Training Program on CRESCENT LMS	Webinar	04.08.2020	Office of Data Centre and Office of Dean Academic Affairs, BSACIST	-
		STTP on Disaster Mitigation - A Shift from Disaster Management towards Disaster Preparedness	Short term Training Programme	19.10.2020 - 24.10.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
		Online Workshop on Social Entrepreneurship, Swachhta & Rural Engagement for Higher Educational Institutions	Workshop	27.10.2020	Mahatma Gandhi National Council of Rural Education, Ministry of Education, Government of India	-
		Webinar on Sustainable Ecosystem Restoration Initiatives & Practices (SERIP 2021) held in the view of World Environment Day 2021	Webinar	05.06.2021-07.06.2021	National Institute of Technology Silchar, Assam	-
		National Webinar on "Implementation of NEP 2020 in HEI's"	Webinar	16.06.2021	Internal Quality Assurance Cell (IQAC) of B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.	-
4.	Dr.Nisha Khanam	Sustainable infrastructure for the 21st Century - Doing more with less"	Webinar	03.07.2020	Dr. Grant Wright ,School of Energy, Geosciences, Infrastructure and Society	-

		E-learning webinar on "Advanced Sludge Dewatering Technology"	Webinar	17.07.2020	Smart Water & Waste world	-
		National Level Webinar on "Water Foot Print"	Webinar	25.07.2020	Dept of Civil Engineering SRM Easwari Engineering College, Chennai	-
5.	Ms.K.Kanmani	Online Training Program on CRESCENT LMS	Webinar	04.08.2020	Office of Data Centre and Office of Dean Academic Affairs, BSACIST	-
		Online Workshop on Design and Development of E - content	Workshop	12.08.2020	Centre for Innovation in Teaching & Learning CITL & and Office of Dean Academic Affairs, BSACIST	-
		International webinar on "Spatially Enabled United Nations Sustainable Development Goals"	Webinar	15.06.2020	ESRI	-
		Webinar series on All about scientific Publishing Trends, Nuances, tools, ethics etc.	Webinar	16.09.2020	Springer Nature	-
		One Week - online FDP on Android App using Kotlin	FDP	10.08.2020 - 16.08.2020	IIT Bombay, Spoken Tutorial	-
		FDP on Basics of Remote Sensing, Geographical	FDP	26.10.2020- 31.10.2020	Francis Xavier Engineering College,	-

		Information system (GIS) and Global Navigation Satellite System (GNSS) phase III			Tirunelveli	
		FDP on GIS and Remote Sensing	FDP	23.11.2020-27.11.2020	AICTE Training and Learning Academy (ATAL)	-
		DST - SERB funded one day workshop on "Progressive Innovations in Land Surveying"	Workshop	26.03.2021	SRM Institute of Science and Technology, Kattankulathur	-
		FDP on Recent Innovations in Civil Engineering (RICE – 2021)	FDP	15.04.2021-21.04.2021	Veltech high-tech Dr.Rangarajan Dr.Sakunthala Engineering college	-
6.	Ms.M.Ayisha Siddiqua	Online Training Program on CRESCENT LMS	Webinar	04.08.2020	Office of Data Centre and Office of Dean Academic Affairs, BSACIST	-
		Online Workshop on Design and Development of E - content	Workshop	12.08.2020	Centre for Innovation in Teaching & Learning CITL & and Office of Dean Academic Affairs, BSACIST	-
		Sustainable Construction (ICSC 2021) "Experimental Study on the removal of basic yellow dye using Zinc oxide coated clay"	International Conference	15.06.2021	St. Peter's Institute of Higher Education and Research, Chennai	-

7.	Mr.Y.Ibrahim	Online Training Program on CRESCENT LMS	Webinar	04.08.2020	Office of Data Centre and Office of Dean Academic Affairs, BSACIST	-
		Online Workshop on Design and Development of E - content	Workshop	12.08.2020	Centre for Innovation in Teaching & Learning CITL & and Office of Dean Academic Affairs, BSACIST	-
		“Disaster Mitigation – A shift from Disaster Management towards Disaster Preparedness”	STTP	07.09.2020 - 12.09.2020	Department of Civil Engineering, School of Infrastructure, B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai	-
		“Disaster Mitigation – A shift from Disaster Management towards Disaster Preparedness”	STTP	19.10.2020 - 24.10.2020	Department of Civil Engineering, School of Infrastructure, B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai	-
		“Disaster Mitigation – A shift from Disaster Management towards Disaster Preparedness”	STTP	16.11.2020 - 21.11.2020	Department of Civil Engineering, School of Infrastructure, B.S.Abdur Rahman Crescent Institute of	-

					Science and Technology, Chennai	
		"Recent Innovations in Civil Engineering (RICE – 2K21)"	FDP	15.04.2021-21.04.2021	Department of Civil Engineering, VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai	-
		Recent Advances in Applied Sciences, Technology & Health (RASTH 2021)	International conference	03.05.2021-05.05.2021	SRM Institute of Science and Technology, Kattankulathur	-
8.	Ms.R.Elakya	AICTE sponsored FDP on "Trailblazing Practices in Geotechnical Engineering"	FDP	07.06.2021-11.06.2021	Meenakshi Sundararajan Engineering College.	-
		Sustainable infrastructure for the 21st Century - Doing more with less"	Webinar	03.07.2020	Dr. Grant Wright ,School of Energy, Geosciences, Infrastructure and Society	-
9.	Mr.A.Sheik Farid	Three days FDP on "Research Paper Drafting, Funding & Patent Methodologies"	FDP	02.07.2020 - 04.07.2020	Dr.N.G.P. Institute of Technology,Coimbatore	-
		International Webinar on "Research Techniques and Tips for Article Writing"	International Webinar	03.07.2020	Vidya Jyothi Institute of Technology	-

		Webinar on "Entrepreneurship for Civil Engineers"	Webinar	23.07.2020	KPRIET, Coimbatore	-
		Training session on "How to publish with Oxford journals"	Webinar	24.07.2020	Oxford University Press	-
		One week online Skill development program on "Enhancement of Academic Research Using Digital Resources"	Webinar	24.07.2020-30.07.2020	Annamalai University	-
		Webinar on "Design for Lateral Forces - Wind"	Webinar	25.07.2020	KPRIET, Coimbatore	-
		One Week - online FDP on "Low Carbon Energy Building (Phase 1)"	FDP	27.07.2020-02.08.2020	AICTE, New Delhi Sponsored STTP	-
		Webinar on "Sustainable construction"	Webinar	05.08.2020	KPRIET, Coimbatore	-
		One Week - online FDP on "Recent Trends and Innovations in Construction Technologies (RTICT)"	FDP	10.08.2020 - 14.08.2020	Indian Concrete Institute, Ultra Tech cement Ltd	-
		One Week - online FDP on Android App using Kotlin	FDP	10.08.2020 - 16.08.2020	IIT Bombay, Spoken Tutorial	-
		Online Workshop on Design and Development of E - content	Workshop	12.08.2020	Centre for Innovation in Teaching & Learning CITL & and Office of Dean Academic Affairs, BSACIST	-

		FDP on Recent Advance in renewable energy technologies for sustainable development	FDP	21.08.2020 - 22.08.2020	Rajasthan Technical University, Kota Jaipur Engineering College, Kukas, Jaipur	-
		Video Course on Patent in India	Video Course	23.08.2020	Patent Attorney worldwide	-
		One Week - online FDP on "Sustainable Transport for Smart Cities (Series 2)"	FDP	24.08.2020 - 29.08.2020	AICTE, New Delhi Sponsored STTP	-
		One Week - online FDP on "Low Carbon Energy Building (Phase 2)"	FDP	17.08.2020-22.08.2020	AICTE, New Delhi Sponsored STTP	-
		National webinar on Tools to Enhance Research Visibility	Webinar	18.08.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
		Disaster Mitigation - A shift from Disaster Management towards Disaster Preparedness	Webinar	07.09.2020 - 12.09.2020	AICTE, New Delhi Sponsored STTP	-
10.	Mr.B.Kannadasan	Short Term Training Programme on Structural Health Monitoring and seismic protection of Structure and Infrastructural System (phase -I)	Short term Training Programme	06.07.2020-11.07.2020	Bannari Amman Institute of Technology	-
		FDP on water and Environmental Modelling using MIKE, Remote Sensing and	FDP	13.07.2020 - 17.07.2020	Satya Institute of Technology and Management, Andhra	-

		GIS Application			Pradesh	
		Geotechnical Engineering Theory and Practice	Webinar	13.07.2020 - 20.07.2020	Kumaraguru College of Technology, Coimbatore	-
		FDP on Smart Solutions in Civil Engineering	FDP	20.07.2020-24.07.2020	K.S.School of Engineering and Management	-
		FDP on Advances in Civil Engineering	FDP	20.07.2020 - 27.07.2020	Rajalakshmi Engineering College, Chennai	-
		FDP on Sustainable Concepts in Civil Engineering and Architecture	FDP	21.07.2020 - 25.07.2020	IQAC-MSRIT, AICTE, New Delhi at M.S.Ramaiah Institute of Technology, Bangalore	-
		One week online Skill development program on "Enhancement of Academic Research Using Digital Resources"	Webinar	24.07.2020 - 30.07.2020	Annamalai University	-
		Short Term Training Programme on Disaster Management and Mitigation	Short term Training Programme	03.08.2020	Dr.N.G.P. Institute of Technology, Coimbatore	-
		Online Training Program on CRESCENT LMS	Webinar	04.08.2020	Office of Data Centre and Office of Dean Academic Affairs, BSACIST	-

		Artificial Intelligence and Machine Learning with python	Webinar	07.08.2020	Nehru Institute of Engineering and Technology, Coimbatore	-
		STTP on Industrial Internet of things	Short term Training Programme	12.08.2020 - 16.08.2020	AICTE sponsored at Meenakshi Institute of Technology	-
		International Conference on Innovation Solution and Challenges in Civil Engineering	International conference	20.08.2020 & 21.08.2020	Saveetha Engineering College	-
		STTP on Forum on Nurturing Clean water and Green Waste	Short term Training Programme	24.08.2020- 29.08.2020	AICTE, New Delhi Sponsored at K.S.R. College of Engineering	-
		Advances in water resources management and sustainable environment	FDP	17.08.2020 - 21.08.2020	IQAC- MSRIT, AICTE, New Delhi at M.S.Ramaiah Institute of Technology, Bangalore	-
		STTP on Industry 4.0	Short term Training Programme	24.08.2020 - 28.08.2020	Meenakshi institute of Technology	-
		STTP on Internet of Things (Every things)- Future	Short term Training Programme	07.09.2020 - 12.09.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
		Short Term Training Programme on "Low Carbon	Short term Training	14.09.2020 - 19.09.2020	AICTE, New Delhi Sponsored STTP	-

	Energy Building (Phase 3)"	Programme			
	STTP on Machine Learning and its application to big Data	Short term Training Programme	14.09.2020 - 19.09.2020	AICTE, New Delhi Sponsored at Jodhpur Institute of Engineering and Technology	-
	Sustainable Environmental Engineering Practices	International FDP cum Workshop	21.09.2020 - 25.09.2020	National Institute of Technology, rourkela	-
	GIS and Remote Sensing	FDP	05.10.2020 - 09.10.2020	ATAL, AICTE, New Delhi	-
	Internet of things and Security challenges	Workshop	05.10.2020 - 09.10.2020	Dhalai District polytechnic Govt. of Tripura in association with National Institute of Electronics and Information technology Agartala	-
	STTP on Structural Health Monitoring and seismic protection of structures and Infrastructural System Phase - 4	Short term Training Programme	05.10.2020 - 10.10.2020	Bannari Amman Institute of Technology	-
	STTP on Advanced Technologies in Transportation Engineering and Town Planning	Short term Training Programme	08.10.2020 - 14.10.2020	Coimbatore institute of Technology	-
	FDP on Smart Cities	FDP	12.10.2020 - 16.10.2020	ATAL, AICTE, New Delhi	-

		STTP on Impact of Artificial Intelligence and Deep Learning on Internet of things for designing smarter Products - A hand on Approach	Short term Training Programme	19.10.2020 - 24.10.2020	AICTE, New Delhi Sponsored at Francis Xavier Engineering College, Tirunelveli	-
		STTP on Basic of Remote Sensing, Geographical Information System (GIS) and Global Navigation Satellite System (GNSS) "Phase III"	Short term Training Programme	26.10.2020 - 31.10.2020	AICTE, New Delhi Sponsored at Francis Xavier Engineering College, Tirunelveli	-
		STTP on Geotechnical Engineering	Short term Training Programme	26.10.2020 - 31.10.2020	AICTE, New Delhi Sponsored at Velalar College of Engineering and Technology	-
		STTP on Electric Vehicle: Technologies, Challenges and Opportunities for Integration of Renewable Resources in India	Short term Training Programme	02.11.2020 - 07.11.2020	AICTE, New Delhi Sponsored at R.M.K.Engineering College	-
		AICTE Training and Learning (ATAL) Academy online FDP on "Design Thinking	FDP	08.11.2020 - 12.11.2020	AICTE, New Delhi Sponsored at Sri Manakula Vinayagar Engineering College	-
		National webinar on Machine Learning - beyond the hype	National webinar	20.11.2020	Dr.MGR Educational and Research Institute in collaboration with IIHRD	-
		one week STTP on Big-data analytics and cyber security in	Short term Training	23.11.2020-28.11.2020	AICTE, New Delhi Sponsored at	-

		smart Grid monitoring and Control	Programme		Knowledge Institute of Technology	
		FDP on GIS and Remote Sensing	FDP	23.11.2020 - 27.11.2020	AICTE Training and Learning Academy	-
		STTP on Machine and Deep learning techniques to develop artificial intelligence applications using Python	Short term Training Programme	14.12.2020 - 19.12.2020	AICTE sponsored at Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology	-
		Webinar on Electrical Vehicles	Webinar	02.08.2020	Pantech e Learning	-
		Webinar on Role of IOT in Healthcare During Covid	Webinar	05.08.2020	C.Abdul Hakeem College of Engineering and Technology with Pantech E Learning	-
		webinar on unsupervised learning with k - means Clustering	Webinar	04.08.2020	CMR Engineering College in association with Pantech E learning	-
		Webinar on AI Thinking Applications in Industrial Perspectives	Webinar	07.08.2020	Manakula Vinayagar Institute of Technology in association with pantech E Learning	-
		One Week - online FDP on Android App using Kotlin	FDP	10.08.2020 - 16.08.2020	IIT Bombay, Spoken Tutorial	-

		Online Workshop on Design and Development of E - content	Workshop	12.08.2020	Centre for Innovation in Teaching & Learning CITL & and Office of Dean Academic Affairs, BSACIST	-
		FDP on Internet of Things	FDP	07.12.2020 - 11.12.2020	Government College of Technology	-
		webinar on Cognitive Radio for 5G Applications	webinar	01.08.2020	Dr.NGP Institute of Technology, with Pantech E Learning	-
		STTP on Recent Advances in land Surveying and Mapping III	Short term Training Programme	18.12.2020-24.12.2020	S.A.Engineering College	-
		online FDP on Global Navigation Satellite system (GNSS)	FDP	18.12.2020 - 22.12.2020	National Institute of Technology, Mizoram	-
		STTP on Intelligent Edge Computing Techniques for Diverse Applications	Short term Training Programme	14.12.2020 - 19.12.2020	M.S.Ramaiah Institute of Technology	-
		FDP on GIS and Remote Sensing	FDP	04.01.2021 - 08.01.2021	AICTE sponsored at University college of Engineering, JNTU Kakinada	-
		Conservation of Energy and Environment through Sustainable Engineering	STTP	04.01.2021-19.01.2021	MEPCO Schlenk Engineering College, Sivakasi	-
		Smart Cities	FDP	11.01.2021-15.01.2021	AICTE Sponsored at National Institute of Technology, Silchar	-

		Smart Cities	FDP	18.01.2021- 22.01.2021	AICTE Sponsored at Acharya Institute of Technology	-
		FDP on Smart Cities	FDP	01.02.2021- 05.02.2021	AICTE Training and Learning ATAL Academy, New Delhi	-
		Appreciation for Successfully Teaching and Evaluating two student batches of the Wadhvani Foundation	Entrepreneur ship course	10.02.2021	Wadhvani Global University	-
		AICTE - ISTE Sponsored Refresher / Induction Program on "Internet of Things (IoT) using Arduino & Raspberry PI" (Phase I)	Induction workshop	09.02.2021 - 15.02.2021	GRG Polytechnic College, Coimbatore	-
		Online workshop on Urban Storm water Management	online workshop	22.02.2021 - 24.02.2021	Andhra University College of Engineering, Visakhapatnam	-
		Online FDP on "Internet of Things (IoT)	FDP	23.02.2021 - 27.02.2021	SASTRA Deemed University	-
		AICTE - ISTE Sponsored Refresher / Induction workshop on "Internet of Things (IoT) using Arduino & Raspberry PI" (Phase III)	Induction workshop	23.03.2021 - 29.03.2021	GRG Polytechnic College, Coimbatore	-
		DST - SERB funded one day workshop on "Progressive Innovations in Land Surveying"	Workshop	26.03.2021	SRM Institute of Science and Technology, Kattankulathur	-

		International webinar on "Smart Cities GOI : A Multidisciplinary Aspects of Civil Engineering"	International webinar	27.03.2021	Jaypee University of Engineering and Technology, GUNA	-
		Applied Hydraulic Engineering	FDP	03.04.2021	Dhanalakshmi Srinivasan College of Engineering, Coimbatore	-
		Repair Rehabilitation & Retrofitting Techniques of Reinforced Concrete Structures	STTP	26.04.2021 - 01.05.2021	AICTE Sponsored at Srinivasa Ramanujan Institute of Technology, Ananthapuramu	-
		Be the change Teaching Learning Process Slot 3	STTP	05.04.2021- 10.04.2021	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
		Social Enterprise Management and Self Reliant India	FDP	17.05.2021- 21.05.2021	AICTE Sponsored at Marwadi Education Foundations Group of Institutions - Faculty of Management	-
		Geoinformatics and Web Technologies	FDP	18.05.2021- 22.05.2021	AICTE sponsored at Banasthali, Vidyapith	-
		Smart Cities - Infrastructure & Sustainability	FDP	24.05.2021- 28.05.2021	AICTE sponsored at Indian Institute of Technology Ropar	-

		Quantum Artificial Intelligence	FDP	24.05.2021-28.05.2021	AICTE sponsored at Indian Institute of Information Technology Pune	-
		Green Building & Built Environment	FDP	31.05.2021-04.06.2021	AICTE Sponsored at Confederation of Indian Industry	-
		EV Design using MATLAB	Master Class	31.05.2021-04.06.2021	Pantech Prolabs India Private Limited	-
		Repair Rehabilitation & Retrofitting Techniques of Reinforced Concrete Structures	STTP	31.05.2021-05.06.2021	AICTE Sponsored at Srinivasa Ramanujan Institute of Technology,, Ananthapuramu	-
		Applied soft computing and Vision Machine Techniques (Series IV)	STTP	31.05.2021-05.06.2021	Dr.M.G.R.Educationa l and Research Institute in Association with All India Council for Technical Education (AICTE)	-
		Advancement in Environmental Remote Sensing & Machine Learning	FDP	21.06.2021-30.06.2021	Dr.M.G.R. Educational & Research Institute	-
		Internet of Things	FDP	07.06.2021-11.06.2021	Electronics Service and Training Centre	-
		Innovation in Materials Science: Role in Early Disease Diagnostics and	Webinar	12.06.2021	G.S.Mandal's Marathwada Institute of Technology,	-

		Climate Change			Aurangabad	
		Sustainable Practices in Civil Engineering	FDP	14.06.2021-18.06.2021	AICTE Sponsored at Bangalore University	-
		Hang up that 2D site Design process for an Exciting Automated 3D Modeling Workflow	Civil User Conference 2021	15.06.2021	Bentley Institute	-
		Data Analytics for Research	FDP	21.06.2021-25.06.2021	AICTE sponsored at IIM Sirmaur	-
11.	Dr.P.Vasanthi, Dr. Nisha Khanam, Ms.K. Kanmani and Mr. B. Kannadasan	A National Level Collaborative Indian Mapping Event	Mapping Event	14.12.2020-31.12.2020	IITB-ISRO-AICTE Mapathon	-
12.	Mr.S.Dhamodharan	Online Training Program on CRESCENT LMS	Webinar	04.08.2020	Office of Data Centre and Office of Dean Academic Affairs, BSACIST	-
		Online Workshop on Design and Development of E - content	Workshop	12.08.2020	Centre for Innovation in Teaching & Learning CITL & and Office of Dean Academic Affairs, BSACIST	-
		One week international workshop on Durability of Concrete (IWODOC - 2020) - online mode	International workshop	26.10.2020 - 30.10.2020	National Institute of Technology, Karnataka	-

		STTP on Advanced Mechanics of Materials	Short term Training Programme	02.11.2020 - 07.11.2020	K.S.Rangasamy College of Technology, Tiruchengode	-
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❖ **Papers Published/ Presented In Journals & Conferences (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	3	6	8	2	-	22	15	56

❖ **Details of publication I National & International Journals & Conferences:**

❖ **International Journal & National Journal**

b) SCI/Scopus Indexed Journal

1. Md Muheeb Ahmed, Mohd Umar, Ahmed Abdul Ahad and M.S. Haji Sheik Mohammed, "Optimisation of Mix Proportion for Repair Mortar Modified with Mineral and Chemical Admixtures" *Journal of Structural Engineering (JoSE)*, Vol.48, No.2, pp.89-103, 2021
2. S. Shafeer Ahamed, J. Sherin Mariya, V. Roopa and M.S. Haji Sheik Mohammed, "Corrosion Inhibiting Admixture for Corrosion Prevention in Small Scale Reinforced Concrete Structures", *Indian Concrete Journal*, Vol. 95, No.4, pp. 38 – 51, 2021
3. S.B. Wani and M.S. Haji Sheik Mohammed , "Study of Bond Strength of Plain Surface Wave Type Configuration Rebars with Concrete : A Comparative Study", *International Journal of Engineering*, Vol. 34, No.02, pp.326-335, 2021
4. M.Ajona and Vasanthi Padmanabhan,(2021), "Bioremediation of petroleum contaminated soils–A review", *Materials Today: Proceedings*, Vol 45, pp7117-7122, 2021
5. Pamila Ramesh, Vasanthi Padmanabhan, Praveen, Saravanan & Bhagavathi Pushpa Thillainayagam(2021) "Batch studies of turquoise blue dye (TB) adsorption onto activated carbon prepared from low-cost adsorbents: an ANN approach" *Biomass Conversion and Biorefinery*, pp1-14, 2021

6. Revathy Jayaseelan, Gajalakshmi Pandulu, Srinivasan Mahendran, "Performance of expanded polystyrene light weight self compacting concrete in composite slab", *International Journal of Applied Sciences*, 1 – 12, 2021.
7. S.Vijayan, A.Mohan, J.Revathy, D.Parthiban, R.Varatharajan, "Evaluation of the impact of thermal performance on various building bricks and blocks: A review", *Environmental Technology & Innovation*, 2021 <https://doi.org/10.1016/j.eti.2021.101577>.
8. M.Ajona and Vasanthi Padmanabhan,(2021) "Bio-remediation of crude oil contaminated soil using recombinant native microbial strain" *Environmental Technology & Innovation*,23,101635, 2021
9. Irfan Ahmed, Tariq Ahmad Sheikh, P. Gajalakshmi, Revathy, "Study on Failure Mechanism of Multi-storeyed Reinforced Concrete Framed Structure", *Advances in Computational Design*, 6 (1), 1-13, 2021.
10. R. Singaravelan, M. Shanmugam, A. Abdul Salam, P. Vasanthi, M. Magesh, Durai Mani & Young-Ho Ahn, "Electrochemical Synthesis of γ -Cu₅Zn₈ Bimetallic Nano Alloy for Efficient Degradation of Methyl Orange Dye and Antimicrobial Efficacy" *Journal of Inorganic and Organometallic Polymers and Materials*, Volume 31,Issue 7, 2021
11. K.K. Yaswanth, J. Revathy, P. Gajalakshmi, "Soft Computing Techniques for the Prediction and Analysis of Compressive Strength of Alkali-Activated Alumino-Silicate Based Strain-Hardening Geopolymer Composites", *Silicon*, 2021 <https://doi.org/10.1007/s12633-021-00988-7>.
12. M. Ayisha Sidiqia, V.S. Priya, "Removal of yellow dye using composite binded adsorbent developed using natural clay and activated carbon from sapindus seed", *Biocatalysis and Agricultural Biotechnology*, 33, 101965, 2021
13. B.Indhu, K. Yogeswari, "Multivariate statistical analysis on factors affecting improper Equipment Maintenance in India" *Bulletin Monumental*, Volume 22, Issue 03, pp 250- 256, Feb 2021
14. B.Indhu, K. Yogeswari, "SEM approach on inappropriate construction equipments delay factors and its impact on the reputation of the firm in India" *Civil Engineering Journal*, Vol7, issue 7 July 2021
15. Shaik Abdul Hameed, M F Muadh and Nisha Khanam, "Water Audit for East Tambaram", *IOP Conference Series: Materials Science and Engineering*, Volume-1026, doi:10.1088/1757-899X/1026/1/012002, IOP Science Publication, 2021
16. M.S. Haji Sheik Mohammed and V. Roopa, "Performance of Galvanized Steel Rebars in Concrete", *Indian Concrete Journal*, Vol. 94, No.11, pp. 81-91, 2020
17. R.Pamila, Vasanthi Padmanabhan, R.Arunadevi, P.N.Sudha Abd el-Zaher.M.A. Mustafa, Abdullah Al-Ghamdi Ahmed, Amal H.Alajmi, Mohamed Soliman Elshikh, "Batch and column mode removal of the turquoise blue (TB) over bio-char based absorbent from prosopis Juliflora: Comparative study", *Chemosphere*, Volume 271, pp 1-11, 2020
18. R. Pamila, PadmajaMegham and Vasanthi Padmanabhan, "Optimization of Cu (II) and Cr (VI) Removal Efficiency using ANNs and RSM", *Journal of Test Engineering and Management*, Volume 83, pp 8343-8348, 2020
19. D.S. Vijayan, A. Leema Rose, S. Arvindan, J. Revathy· C. Amuthadevi, "Automation systems in smart buildings: a review", *Journal of Ambient Intelligence and Humanized Computing*, 2020, <https://doi.org/10.1007/s12652-020-02666-9>

20. Gajalakshmi Pandulu, Revathy Jayaseelan, Jemimah Thong, "Behavior of FRP wrapped concrete filled steel tubular columns", *International Journal of Applied Sciences*, 393 – 403, 2020.
21. J. Revathy, P. Gajalakshmi, P.Pavithra, "Experimental investigation on concrete filled glass fibre reinforced polymer tubular beams under flexural loading", *Materials Today: Proceedings*, 33(1), 440-445, 2020.
22. Gajalakshmi P, Helena J, Revathy J, "Variable and constant amplitude testing of concrete in-filled steel tube columns", *Materials Today: Proceedings*, 33(1), 320-325, 2020.
23. Gajalakshmi P, Revathy J, MohanaPriya, "Application of Recycled Coarse Aggregate in Steel Tubular Members", *Nature Environment and Pollution Technology*, 19(2), 729-737, 2020.
24. Donald Kwabena Dadzie, A.K. Kaliluthin and Raj Kumar D, "Exploration of Waste Plastic Bottles Use in Construction", *Civil Engineering Journal*, DOI:10.28991/cej-2020-03091616, ISSN (online) 2476-3055, Vol. 6 Issue 11, p 2262-2272, 2020

c) Other journals

1. B.Bharath Kumar and A. Sheik Farid. "Study on Improvement of Labor Productivity Using Crew Balance Chart", *International Journal of All Research Education and Scientific Methods (IJARESM)*, Volume-9, Issue-6, pp 3499-3504, June 2021.
2. V. Diviya Darshini and A. Sheik Farid. "A Study on Construction Material Waste Minimization: Reasons and Suggestions", *International Research Journal of Engineering and Technology (IRJET)*, Volume-8, Issue-6, pp 3983-3992, June 2021.
3. K. Salma and A. Sheik Farid. "Study on Reduction of Cost Overrun and Time delay in Building Construction using Six Sigma", *International Journal of Engineering Development and Research (IJEDR)*, Volume-9, Issue-3, pp 38-45, June 2021.
4. B.Bharath Kumar and A. Sheik Farid. "Review paper on Improvement of Labor Productivity Using Crew Balance Chart", *International Journal of Research Publication and Reviews (JRPR)*, Volume-2, Issue-1, pp 657-659, April 2021.
5. V. Diviya Darshini and A. Sheik Farid. "Review paper on Construction Material Waste Minimization: Reasons and Suggestions" *International Advanced Research Journal in Science, Engineering and Technology (IARJSET)*, Volume-8, Issue-3, pp 248-251, March 2021.
6. K. Salma and A. Sheik Farid. "Review paper on Reduction of Cost Overrun and Time delay in Building Construction using Six Sigma", *International Advanced Research Journal in Science, Engineering and Technology (IARJSET)*, Volume-8, Issue-3, pp 264-267, March 2021.
7. Moinuddin H, K. Yogeswari, "Examination on risk management analysis for construction Industry" *International Journal of Civil Engineering and Technology*, Volume 12, Issue 5, pp 37-43 May 2021.
8. Arunkumar, Dr. K. Yogeswari, "The Challenges of using Big data analytic In smart Transportation" *International Journal of Scientific research Journal of Engineering*, Vol11, Issue 5 PP 19-29 May 2021

9. Gaurav Shyam, K. Yogeswari, "Review on Mechanical Properties of M30 Concrete in addition with Steel Fiber and Jute Fiber", *International Journal of Scientific research Journal of Engineering*, Vol 18, Issue 4 PP 15-18 July 2021
10. Shoib Bashir Wani, Junaid Ahmed, M.S. Haji Sheik Mohammed, Tahir Hussain Muntazari and Nusrat Rafique , "Influence of Nano-Modification on Mechanical and Durability Properties of Cement Polymer Anticorrosive Coating", *Challenge Journal of Concrete Research Letters*, Vol. 11, No.4, pp. 92-104, 2020
11. R.Rupa and Vasanthi Padmanabhan, "Evaluation of Operative Temperature in Naturally Ventilated Residential Buildings in Urban Coastal Area for Sustainable Development" *Journal of Green Engineering (JGE)*, Volume 10, Issue 11, pp11384 -11401, 2020
12. M.Ajona and Vasanthi Padmanabhan, "Identification of Native Microbial Strain from Petroleum Contaminated Soil and Degradation Potential Study for Bioremediation", *Journal of Green Engineering (JGE)*, Volume 10, Issue 11, pp 11727-11742, 2020
13. B.Indhu, K. Yogeswari. "Review on delay factors due to improper construction equipment management", *International journal on Emerging Technologies*, Issue(1), Volume 11, pp209-214, May 2020.
14. Uma Maheshwari .V, K. Yogeswari, "Solid Waste Management Performance towards the zero waste Index in Suburban Area ", *International Journal of Scientific research in Engineering and Management*, Vol- 04, Issue 07 pp 1- 6, July, 2020
15. Nashreen Fathima. M, K. Yogeswari."Strategy and framework for sustainable rural infrastructure of Kuthukalvalasai", *International Journal of research and Analytical reviews* , Issue 3, Volume 7, pp 660-665, July 2020.

International Conference & National Conference:

b) Conference with ISBN Proceedings

1. K.Kanmani, P.Vasanthi and N.Maharajan, "Soil Moisture Retrieval Using Sentinel SAR Image", *International conference on Contemporary Engineering and Technology(ICCET-2021)*, Prince Shri Venkateshwara Padmavathy Engineering College,Ponmar, Chennai, Vol1, pg no.130, ISBN 978-93-81288-22-1, April 10-11, 2021
2. N. Maharajan, K. Kanmani and P. Vasanthi , "Forest cover mapping using backscattered images of SAR data", *International conference on Contemporary Engineering and Technology(ICCET-2021)*, Prince Shri Venkateshwara Padmavathy Engineering College, Ponmar, Chennai, Vol1, pg no.131, ISBN 978-93-81288-22-1, April 10-11, 2021
3. Y Ibrahim, "Study on the effect of pH on the degradation of textile dye by novel natural coagulation process", on 9th *International Conference on "Contemporary Engineering and Technology – 2021" (ICCET – 2021)*, Organization of Science and Innovative Engineering & Technology (OSIET), Chennai, India, ISBN 978-93-81288-22-1,10-11, April, 2021.
4. Y Ibrahim, Vasanthi Padmanabhan, Ram Kumar R, David Vasantharaj and Ibrahim Aduham, Kishore , "Study on the effect of pH on the degradation of textile dye by novel natural coagulation process", *International conference on Contemporary Engineering and*

Technology (ICCET-2021), Prince Shri Venkateshwara Padmavathy Engineering College, Ponmar, Chennai, Vol1, pg no.129, ISBN 978-93-81288-22-1, April 10-11, 2021

5. K.K.Yaswanth, J.Revathy, P.Gajalakshmi, "A Review on Engineered Cementitious Composites – A Versatile Construction Material", *International Conference on Construction Materials and Smart Structures for Sustainable Development (ICCMSSSD) – 2020*, ISBN : 978-93-8935-488-1, 180-190, 2020
6. Nilofer A, and A.K.Kaliluthin , (2019), "Performance Assessment of Geo-Polymer Concrete by Replacement of Cement with Fly Ash and Glass Powder" *International Virtual Conference On Emerging Research Trends in Structural Engineering (ERTSE 2020)*, organized by Vellore Institute of Technology- Chennai, on 16th – 17th July 2020. Pp 140-141. (ISBN: 978-93-89354-46-1).

c) Other Conferences

1. K. Kanmani, N. Maharajan and P. Vasanthi , "Image processing and classification of SAR image", *National conference on recent advancements in geotechnical engineering (NCRAG 2021)*, Bannari Amman Institute of Technology, Sathyamangalam, Erode, Tamilnadu
2. Ibrahim Y, Vasanthi Padmanabhan, Jagadeesh K, Abyaz Aiman A, Abhishek R, Shaik and Mohammed Hanief, "Indigenous Sustainable Natural Coagulant used in the Domestic and Industrial Effluent Treatment", *National conference on recent advancements in geotechnical engineering (NCRAG 2021)*, Bannari Amman Institute of Technology, Sathyamangalam, Erode, Tamilnadu
3. Priya .V.S., "Experimental study on the removal of basic yellow dye using zinc oxide coated clay", *Proceedings of International Conference on Sustainable Construction (ICSC 2021)*, pp314-320, 2021
4. B.Kannadasan and K. Yogeswari, "Study on real – time traffic analysis using unmanned aerial vehicle under mixed traffic conditions", in online *International conference on "Sustainable Construction (ICSC2021)*, June 2021
5. B. Kannadasan, Wasif Yuhani Critical Tasks In Implementing Sustainable Transport Policies In India", *International conference on " Sustainable Construction "*, pp.491-497, June 2021
6. B.Kannadasan, S.Sruthi, K.Bharathi, C.Swathi, T Nooshin and Takhellambam Aenet, "Feasibility Study on Chennai Metro Corridor Extension Project, *International conference on Sustainable Construction*, pp.241-248, June 2021
7. K.K.Yaswanth, J.Revathy, P.Gajalakshmi, "Artificial Intelligence Techniques to Predict the Compressive Strength of Sustainable Eco-friendly Strain-hardening Concrete Composites", *Technical Volume of 35th Indian Engineering Congress*, Theme : Engineering for Self Reliance and Sustainable Goals, The Institution of Engineers (India), 371 – 376, December 18-20, 2020.
8. Donald Kwabena Dadzie, A.K. Kaliluthin and Raj Kumar D "Exploration of Palm Kernel use in Construction: A Review" *The 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM 2020)*, organized by the Faculty of Civil Engineering, Universiti Teknologi MARA, Malaysia on 8th – 9th December 2020.

9. Shaik Hameed, Muadh.F and Nisha Khanam, “Water Audit Study for East Tambaram” in the *Virtual International Conference On Innovative Solutions and Challenges in Civil Engineering*, Saveetha Engineering College, Chennai, August 2020.
10. B.Kannadasan, K. Yogeswari, Hemanth. V.S, Avinash. V, Aswin Kumar.S, “Study on Vehicle following characteristics in mixed traffic condition, “*International conference on Innovative solution and challenges in civil engineering*, August 2020.
11. B.Kannadasan and K. Yogeswari, “Study of fleet management for – semi-urban area using remote sensing and GIS” in *International conference on Innovative solution and challenges in civil engineering*, August 2020.

❖ **Details of Impact Factor Of The Publication and H-Index**

A) Range B) Average C) H-Index - 4 D) No. In Scopus - 24

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1.	Dr.Amlan Kumar Sengupta, Department of Civil Engineering, IIT Chennai, Dr.G.RadhaKrishna G Pillai, Department of Civil Engineering, IIT Chennai, Dr.	Extra Mural research Funding	Structural Behaviour of Corroding Prestressed Concrete Systems and Extension of Service Life using Cathodic	Rs. 39.6 lakhs	-	-	-	Ongoing

	M.S. Haji Shiek Mohammed, B.S.Abdur Rahman Crescent Institute of Science and Technology		Protection					
2.	Dr.G.RadhaKrishna G Pillai, Department of Civil Engineering, IIT , NIT Trichy, Dr. M.S. Haji Shiek Mohammed, B.S.Abdur Rahman Crescent Institute of Science and Technology	Industry Project	Evaluation of Sacrificial Anode Cathodic Protection (SACP) systems for Reinforced Concrete Applications	Rs. 9.912 lakhs	-	-	-	Ongoing
3.	Ms.V. Roopa, B.S.Abdur Rahman Crescent Institute of Science and Technology	DST, SERB, TARE	Corrosion protection and service life extension of reinforced concrete roofing systems in existing buildings	Rs. 18,30,000 Amount Earmarked for Crescent: Rs. 8,25,000	-	-	-	Ongoing
4.	Dr. J. Revathy Dr. P.Gajalakshmi B.S.Abdur Rahman	Research Promotion Scheme, (RPS), AI	Seismic behaviour of light weight	Rs. 2 lakhs	-	-	-	Ongoing

	Crescent Institute of Science and Technology	CTE, New Delhi	concrete filled FRP tubular columns					
5.	Dr. Vasanthi Padmanabhan and Dr. J. Revathy B.S.Abdur Rahman Crescent Institute of Science and Technology	Modernisation and Upgradation of Structural Engineering Lab – Non Destructive Testing facility	MODROB, AICTE New Delhi	Rs. 10 lakhs	-	-	-	Ongoing
6.	Dr.Vasanthi Padmanabhan Ms.K.Kanmani Mr. B. Kannadasan B.S.Abdur Rahman Crescent Institute of Science and Technology	Geospatial data management technologies for rural development	National Geospatial Programme under Geospatial Technology Development, DST	-	-	-	-	Applied
7.	Dr. A.K. Kaliluthin B.S.Abdur Rahman Crescent Institute of Science and Technology	Upgradation of Sewage Treatment Plant in the campus of BS Abdur Rahman Crescent Institute of Science and Technology	Technology Development Transfer Programme, Waste Management Technologies, Department of Science & Technology (DST)	-	-	-	-	Applied

8.	Dr.Vasanthi Padmanabhan Ms.K.Kanmani Mr. B. Kannadasan B.S.Abdur Rahman Crescent Institute of Science and Technology	A capacity building initiative of the National Geospatial Program NGP - summer / winter Schools in Geospatial Science and Technology	National Geospatial Programme under the scheme Capacity Building in Geospatial Science and Technology, DST	-	-	-	-	Applied
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❖ **Details of Major Equipment Purchased (Financial year 2020-21)**

Sl. No.	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1.	Ultra Sonic Pulse Velocity tester and Rebar locator & Covermeter with corrosion analyser	Sofeel Marketing	18.08.2021	7,98,000	Yes	-
2.	Digital Triaxial Equipment with software	Aimil Ltd., India	08.02.2021	4,80,047	Yes	-
3.	Double beam UV-Vis spectrophotometer	Motras - Model UV plus & India	27.01.2021	3,36,000	Yes	-
4.	Flame photometer	Deepvision- Model No.1381 & India	11.04.2020	61,425	Yes	-

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Dr. P.Gajalakshmi Dr. J. Revathy	Chapter: Suitability of Fibre Reinforced Polymer Confined Concrete In-Filled Steel Tube Columns in Vulnerable Zones of Instability: A Case of Bhuj Earthquake Epicentral Zone, Gujarat, India	1000 (ebook) 2500 (Hardcopy)	30 (ebook) 60 (Hardcopy)	Book Publisher International & India	Yes DOI : 10.9734/bpi/ireges/v5
2.	Ms. K.Kanmani	Chapter: A Study of Deep Geoelectric Structure and its relation to seismotectonics and Economic Development of Saurashtra Region, Western India	600 (ebook) 2500 (Hardcopy)	10 (ebook) 60 (Hardcopy)	Book Publisher International & India	Yes DOI: https://doi.org/10.9734/bpi/ireges/v6

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1.	New Composition and Making of Bricks from Plant-Fibres and Waste Byproducts	-	202041034656 04.09.2020	-	-

2.	A RNN based Spatio Temporal Data Mining model for urban road Planning	-	2020104112 17.02.2021	-
3.	Utilization of sensors in Concrete to monitor the curing process and compressive strength of Concrete	-	202141008996 12.03.2021	-

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ Non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr. Vasanthi Padmanabhan	Delivered a lecture on “NDMA Guidelines for landslide mitigation” during the AICTE sponsored short term training programme on “Disaster Mitigation – A shift from from disaster management to disaster preparedness”	-	November 2020
2.	Dr. M.S. Haji Sheik Mohammed	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September 2021
		Webinar talk in the topic "Avoidable Errors in Building Construction : Some Thoughts" organized by Flat Promoters Association, Chennai South	-	May 2021
		Presented a lecture on "Corrosion Prevention and Protection Strategies	-	November 2020

		for Service Life Extension of RC Structures" in the AICTE sponsored STTP on "Life Cycle Assessment and Structural Health Monitoring of Structures" organized by Department of Civil Engineering, Aarupadai Veedu Institute of Technology, Chennai.		
		Presented a lecture on "Prevention and Control of Corrosion in RC Structures : Preparedness to avoid major Disasters" in the AICTE sponsored STTP on "Disaster Mitigation : A Shift from Disaster Management towards Disaster Preparedness" organized by Department of Civil Engineering, School of Infrastructure, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai.	-	November 2020
		Delivered a lecture in the UJAY Lecture series (No.6) on "Corrosion Control in Reinforced Concrete Structures" organized by Department of Civil Engineering, UNIVERSITAS ATMA JAYA YOGYAKARTA, Indonesia.	-	October 2020
		Presented a webinar on "Corrosion Control of Steel Reinforcement Rods in Concrete" organized by Builders	-	August 2020

		Association of India : Southern Centre.		
		Delivered a lecture in the webinar series organized by Kerala Highways Research Institute (KHRI) in the topic "Galvanized Steel Rebars for Enhanced Corrosion Resistance in RC Structures"	-	July 2020
		Delivered a lecture on "Performance of Galvanized Rebars for Use in Concrete Construction" in the webinar series on Construction Materials organized by iSTEEL XLS, Chennai.	-	June 2020
		Life member : ICI Senior Member : RILEM Affiliate Member : ASCE Member : NACE	-	-
3.	Dr. J. Revathy	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September 2021
		Delivered lecture in the topic "Structural use of Fibre Reinforced Polymer Composites in Construction", webinar organized by Bharath Institute of Higher Education and Research, Chennai	-	February 2021
		Delivered lecture in the topic "Retrofitting of structures using FRP Composites", webinar organized by Jyothishmathi group of Institutions,	-	January 2021

		Telangana		
4.	Dr. P. Gajalakshmi	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September 2021
		Best Researcher Award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September 2021
		Delivered lecture in the topic “Bridges” in online Faculty Development Programme on “Foundation Engineering, Fluid Mechanics and Structural Design for Civil Engineers” organized by SRM Valliammai Engineering College.	-	May 2020
		Delivered lecture in the topic “Rc Solid Slab Bridges” guest lecture organized by Sairam Engineering College	-	November 2020
		Delivered lecture in the topic “Confined Tubular Members for Sustainable Construction” in online Faculty Development Programme on “Curriculum for Sustainability” organized by Velammal Engineering College	-	December 2020
5.	Dr. K. Yogeswari	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September 2021
		Delivered (online) Lecture on “Application of architecture in Civil Engineering” organized by KPR Institute of Engineering and	-	February 2021

		Technology		
6.	Dr.Priya VS	Delivered (online) Lecture on “Sustainable practices in Urban sanitation” during the AICTE Sponsored FDP on Curriculum for Sustainability in Vellammal Engineering college	-	December 2020
		Delivered (online) Lecture on “Urban sanitation” in SSN College of Engineering (Autonomous),Chennai	-	May 2021
7.	Dr. A.K.Kaliluthin	Delivered a Lecture on Strength of Materials course through Online FDTP for the Faculty Development Programme on “CE 8301 Strength of Materials” sponsored by Anna University Chennai	-	June 2021
		Delivered a Guest Lecture on “Precast Concrete Structures and its Applications” in Sri Manakula Vinayagar Engineering College Puduchery	-	September 2020
		“District Green Champion” for Chengalpattu District for the Academic Year 2020-21 for BSACIST Institution	MGNCRE, Ministry of Education, Government of India	August 2021
8.	Ms. M. Ayisha Siddiqua	Crescent Seed Money of Rs.25,000/-	B.S. Abdur Rahman Crescent Institute of Science & Technology	March 2021
9.	Mr. Y. Ibrahim	Crescent Seed Money of Rs.50,000/-	B.S. Abdur Rahman Crescent Institute of Science & Technology	March 2021

10.	Mr Kannadasan B	NPTEL Stars" - "NPTEL_ENTHUSIASTS	NPTEL IIT Madrars	May 2021
		NPTEL Stars" - "NPTEL_BELIEVERS	NPTEL IIT Madrars	May 2021
11.	Dr.Vasanthi Padmanabhan, Dr. NishaKhanam, Ms. K. Kanmani and Mr. B. Kannadasan	Winners - Indian Mapping Event on the topic "Change Detection in Water Bodies of Chengalpet District, Tamilnadu".	IITB-ISRO-AICTE Mapathon – National Level Collaborative Indian Mapping Event	March 2021





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	Dr. R. Senthil Professor, Structural Division, Department of Civil Engineering, Anna University, Guindy	Session 2 10:00 am - 11:00 am Coastal requirements
	Dr. Radhakrishna G Pillai Associate Professor, Department of Civil Engineering, IIT Chennai	Session 3 11:00 am - 12:00 noon Corrosion and chloride threshold of steel in concrete structures and its impact on corrosion life
	Dr. M.S. Haji Sheikh Mohammed Professor of Civil Engineering, School of Infrastructure, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur	Session 4 12:00 noon - 01:00 pm Performance of galvanized steel rebars for use in concrete construction

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AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
 APPROVED BY AICTE

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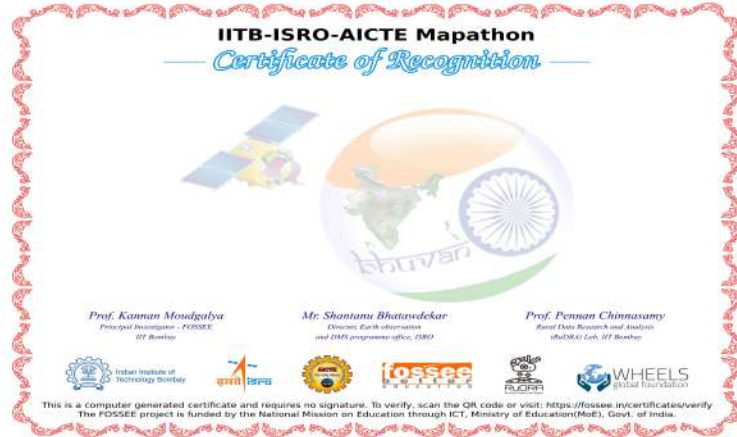
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Certificate of Honor & Appreciation

This Certificate of Honor and Appreciation is hereby presented to
Dr. M. S. Haji Sheikh Mohammed, Director, Centre for Prevention and Control of Corrosion in Concrete Structures (PCSS), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai for sharing his invaluable insight and expertise in the topic 'Corrosion Prevention and Protection Strategies for Service Life Extension of RC Structures' as a keynote speaker on 04.11.2020 of the **AICTE Sponsored Six Days Online STIP on 'Life Cycle Assessment and Structural Health Monitoring of Structures'** organized by Department of Civil Engineering held from 2nd to 7th November 2020.

(Dr. S.P. SANKARANARAYANAN)
CONVENEROR-STIP

(Dr. K. L. SHUNMUGANATHAN)
PRINCIPAL
Dr. K. L. SHUNMUGANATHAN
B.A. (HONOURS), B.A. (POLITICAL SCIENCE),
M.A. (HONOURS), M.A. (TEACHING),
M.Phil., Ph.D.
 Assistant Vice-Chancellor of Technology,
 Vinayaka Mission's Research Foundation
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❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Muzammil Mamu	170011601054	Qualified in GATE 2021	-	March & 2021
2.	Mr. Wasif Yuhan	180011603013	Awarded as “Potential Real Venture”	Wadhvani Foundation	November & 2020
3.	Mr. Mohamed Jahid	180011602005	Awarded as “Potential Real Venture”	Wadhvani Foundation	November & 2020

❖ **Developmental Activities**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1.	Webinar on Career Opportunities in Civil Engineering	1 day	Final Year and Pre final year B.Tech. students	To give exposure on various opportunities after their completion of graduation	The students were benefitted in understanding the various opportunities related to government sectors, private sectors and as an entrepreneur.

❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	CSIR-CBRI, Roorkee	Project work	May & 2021	Completed		One student from B.Tech. 2017-21 batch completed research project work titled "Prediction of residual strength of corroded RC structures"
2.	Project Management Institute, PMI Chennai chapter	Academic	March & 2021	Ongoing		Organize seminars, conferences and training programmes and provide certification for students in project management.

❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	Society of Civil Engineers	Webinar on "Bridges & its Protective Measures"	2	40	-	Er. M. Ravikumar, Deputy General Manager (Structural Division), L & T Infrastructure Development Projects Limited, Chennai	The students understood Basic configuration and components of bridge structures Construction techniques adopted in Bridge Construction. Bridges for Metro Rail.	-

							Maintenance and Rehabilitation of Bridges to increase design life period.	
2.	Society of Civil Engineers and American Society of Civil Engineers	Inauguration of Society of Civil Engineers and Webinar on Bridges – History of Evolution and thereafter	15	70	-	Dr. N. Gopalakrishnan Director / Scientist CSIR- Central Building Research Institute (CBRI), Roorkee	The students understood The Evolution of bridge construction at various years.	-
3.	Society of Civil Engineers	Webinar on “Rain Water Harvesting for Urban Areas”	3	80	-	Dr.Sekhar Raghavan, Director, Rain Centre, Adyar, Chennai	Highlighted the importance of Rainwater and its conservation through various methods.	-
4.	Society of Civil Engineers	Webinar on Career Opportunities in Civil Engineering	2	41	-	Dr. Leon Raj, Scientist from CSIR- North East Institute of Science & Technology, Jorhat, Assam	The students were benefitted in understanding the various opportunities related to government sectors, private sectors and as an entrepreneur.	-
5.	Society of Civil Engineers and American Society of Civil Engineers	National Level Technical Symposium “CIVICLAN 2K21”	6	139	-	Er. R. Gowthaman, Additional Chief Engineer Civil (Retd.), Tamil Nadu Electricity Board	The students were given awareness about the application of civil engineering in power sectors and job	-

						Chennai	opportunities. Enhanced the visibility of the department among B.Tech, students of other institution by conducting various technical and non-technical events.	
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❖ **MoUs Signed**

Sl. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1.	Hitech Concrete Solutions Chennai Private Limited	Academic and Project Collaboration	25	06	2020	Industrial expert as member in Board of Studies of the department, Partial delivery of course for students, Field visit arranged for students on soil stabilization by lime grouting technique in association with industry	Active
2.	National Highway Authority of India (NHAI)	Project Collaboration	15	02	2021	Collaboration with Institute for Institutional Social Responsibility Research projects works for UG and PG students & Adopting of National Highways stretches	Active

						under Regional Office, Chennai.	
3.	Membrane Hitec Division of Titanium Equipment and Anode Manufacturing Company Private Limited	Project Collaboration	25	03	2021	Establishment of Membrane Bioreactor treatment unit - Pilot Scale wastewater treatment Plant, Consultancy services in testing of water and wastewater	Active

❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	CRESWIZARD 2021(Competition for school students)	-	19	-	School students (X to XII)	1 day	Motivation of students to face competitions and to increase visibility of the department among school students
2.	Webinar on Digital learning	-	25	-	School students (XI and XII)	1 day	Imparted training on usage of various digital platforms for learning effectively
3.	Technical Quiz Contest (Competition for polytechnic students)	-	134	-	Polytechnic students	1 day	Helped the students to face Competitive examinations and also to enhance visibility of the department among Polytechnic colleges
4.	Unnat Bharat Abhiyan	2	14		Village people	1 day	Village survey regarding

							rural infrastructure
5.	Webinar on Career Advancement for Diploma Students in Civil Engineering	-	125	-	Polytechnic students	1 day	Helped the students to understand the importance of career advancement and various opportunities after their diploma degree.

❖ **Any other Information**

A faculty startup Dr. Haji Building Repair Solutions (Low cost sustainable building) is incubated in CIIC by Dr. M S Haji Sheik Mohammed, Professor/Civil Engineering and Dean (AA).



MOOC Courses:

- Ms. K.Kanmani - 6 weeks Course entitled "Imagery in Action" completed on September 2021 conducted by ESRI, Redlands, USA.
- Dr. A. K. Kaliluthin – 12 weeks NPTEL course on “Design of Reinforced Concrete Structures” completed on December 2020 conducted by Department of Civil Engineering Indian Institute of Technology Madras-Chennai

- Kannadasan B – 8 weeks NPTEL course on “Introduction to Civil Engineering Profession” completed on March 2021 conducted by Department of Civil Engineering Indian Institute of Technology Madras-Chennai (Silver Medal)
- Kannadasan B – 4 weeks NPTEL course on “Introduction to History of Architecture in India” completed on March 2021 conducted by Department of Humanities and Social Sciences Architecture Indian Institute of Science Education and Research Pune.
- Kannadasan B –12 weeks NPTEL course on “Introduction to Internet of Things” completed on April 2021 conducted by Department of computer science engineering Indian Institute of Technology Kharagpur.
- Kannadasan B –12 weeks NPTEL course on “Geographic Information Systems” completed on April 2021 conducted by Department of Earth science engineering Indian Institute of Technology Roorkee.
- Kannadasan B –12 weeks NPTEL course on “Remote Sensing: Principles and Applications” completed on April 2021 conducted by Department of Civil engineering Indian Institute of Technology Bombay.
- Kannadasan B –12 weeks NPTEL course on “Urban Transportation Systems Planning” completed on April 2021 conducted by Department of Civil engineering Indian Institute of Technology Kharagpur.
- Kannadasan B –15 weeks SWAYAM course on “City and metropolitan Planning” completed on May 2021 conducted by Department of Urban Planning, School of Planning and Architecture, New Delhi

Testing / Consultancy works & Amount generated

The department involves in consultancy activities like executing repair & rehabilitation works, material testing works, design and validation of STP, soil testing and material stability for various Government, Semi-Government and Private agencies. The amount generated through consultancy and testing in the academic year 2020-21 is Rs. 1, 20,000 (Rupees One lakh and twenty thousand)

Industry Institute Meet 2021

Virtual Industry Institute Meet was conducted on 29.05.2021 from 10.00 AM to 01.00 PM. The main aim of the industry meet was to bridge the gap and promote interaction between industry and Institute. This meet aimed at nurturing and enhancing relations with the builders, architects and many renowned expertises in the field of Civil Engineering. The major modes of interaction of the Department with the industries included Internship for students, Placement, Scholarships/fellowships instituted by industries, Participation of experts from industry in curriculum development, Professional consultancy by the faculty to industries, Memoranda of Understanding, Workshops, conferences and symposia with joint participation of the faculty and the industries, R&D Laboratories sponsored by industries at the Institute. Industrial experts from several reputed industries such as M/S L & T Construction, Chennai, M/S JK White Cement, Chennai M/S. Capital Land India, Chennai, M/S Larsen & Toubro, Bhopal, M/S. Saint-Gobain India Pvt Ltd – Glass Business, Chennai, M/S Ion Exchange India Limited, Bangalore actively participated



Alumni Meet - 2021

SCHOOL OF MECHANICAL SCIENCES

- **Department of Mechanical Engineering**
- **Department of Aerospace Engineering**
- **Department of Automobile Engineering**
- **Department of Polymer Engineering**

DEPARTMENT OF MECHANICAL ENGINEERING

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACSIT		OTHERS	
						Faculty	Students	Faculty	Students
1	Acoustic Emission Characterization of Failure modes in lap joints	Webinar	16.06.2020	The Office of Alumni Relations and the Department of Mechanical Engineering, BSACIST	Dr. Mohamed Bak K, (M.E CAD, 2006 Batch) – Assistant Professor, Department of Mechanical Engineering, BSACIST	10	45	-	-
2	How to become an entrepreneur	Webinar	27.11.2020	The Office of Alumni Relations and Department of Mechanical Engineering, BSACIST	Mr.N.Subramanian, (B.Tech 1998 batch), BSACIST	12	40	-	-
3	Total Productive Maintenance (TPM)	Webinar	18.09.2020	Department of Mechanical Engineering, BSACIST	Mr. Mohamed Aatiq, (2018 Batch) Assistant Manager at Immunotech Equipment private limited, Chennai	11	42	-	-

SI. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACSIT		OTHERS	
						Faculty	Students	Faculty	Students
4	FDP on 3D Printing & Design	FDP	07.12.2020 - 11.12.2020	Received a grant of nearly 1 Lakh from AICTE for conducting this ATAL FDP on 3D Printing and Design	IIT Madras, IIT Kanpur, IIITDM Kancheepuram, IIITDM Jabalpur, RRCAT Indore, CSIR-CLRI, CIPET, Anna University, VIT, Crescent and Industries	21	3	104	16
5	ETDMMT 2020	International Conference	24.09.2020-25-09-2020	BSACIST	Dr. Ahmed Mujahid Ahmed Zaidii, Malaysia, Dr. Mohamed Abdel-Hady Gepreel, Egypt, Dr. G. Balamurugan, CSIR and Mr. K. Sethu Baskaran, Ford India.	15	-	30	-
6	Introduction to Data Science with mat lab	Webinar	May 2020	The Office of Alumni Relations and the Department of Mechanical Engineering, BSACIST	Syed Shaul Hameed, (B.E, Mech, 2011 Batch) - Assistant Professor, BSACIST	10	53	3	40

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACSIT		OTHERS	
						Faculty	Students	Faculty	Students
7	Fluid Structure Interaction- Experimental Studies For Simulating Unsteady Wind Events	Webinar	08.09.2020	BITS Pilani, Hyderabad Campus	Dr. G. R. Sabareesh Assistant Professor Department of Mechanical Engineering, BITS Pilani	10	-	-	-
8	Future Readiness for Mechanical Engineering students	Webinar	11.09.2020	Future Captains	Mr. Tamil Selvan Mahalingam Founder & CEO, Entrepreneur Motivational Speaker Youth Mentor Career Evangelist.	5	80	-	-
9	One Day Training Program on CNC Turning Centre and CNC Milling Centre	Training Programme	10.11.2020	BSACIST	Mr. M. Balasrinivasan Assistant Professor Department of Mechanical Engineering, BSACIST	15	-	-	-
10	Seminar on Final Year Project	Seminar	01.03.2021	Prag Robotics Pvt. Ltd	Mr. K. Sethu Raman CEO, Mr. Sandeep Prag Robotics Pvt. Ltd	4	60	-	-

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACSIT		OTHERS	
						Faculty	Students	Faculty	Students
11	Webinar on Leadership and CEO Training	Webinar	05.05.2021	Ford Motor Company	Mr. Baskar Murugan, Sr. Manager, Ford Motor Company Chennai	4	90	-	-
12	Webinar on Role of Mechanical Engineers in ISRO	Webinar	02.06.2021	U.R.Rao Satellite Centre, ISRO, Bangalore	Mr. P. Aravindram, Scientist/Engineer-SE, ISRO, Bangalore	5	60	-	-

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No.	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1.	International Conference (ETDMMT 2020)	24.09.2020 - 25.09.2020	Rs. 50,000/- received the amount on 14.10.2019	Conducted successfully

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Mr. D. Pradeep Kumar	Artificial Intelligence and Deep Learning Techniques (Slot II)	STTP	01.02.2021 - 06.02.2021	AICTE	Nil
2	Dr. A. Muthu Manokar	FDP titled on "Materials Science & Nanotechnology" (MSNT 2020)	Webinar	03.08.2020 - 17.08.2020	Department of Chemistry, BSACIST, Chennai	Nil
3	Dr. A. Muthu Manokar	AICTE sponsored online STTP "Application of Intelligent Optimization Techniques for Engineering Research"	Online STTP	10.08.2020 - 15.08.2020	Department of Mechanical Engineering, Bannari Amman Institute of Technology, Raipur	Nil
4	Dr. A. Muthu Manokar	AICTE sponsored online FDP titled on " Green Technology and Sustainability Engineering"	Online FDP	24.08.2020 - 29.08.2020	Department of Mechanical Engineering, National Institute of Technology, Raipur	Nil
5	Mr. D. Pradeep Kumar	International Conference on Advances in Mechanical Engineering Design	International Conference	03.05.2021 - 04.05.2021	SRMIST	Nil
6	Dr. A. Arockia Julias	FDP on "Design Thinking"	Online FDP	07.09.2020 - 11.09.2020	AICTE ATAL sponsored FDP organised by Oriental Institute of Science & Technology	Nil
7	S.Mohamed Illyas	FDP on Robotics	Online FDP	24.08.2020 - 28.08.2020	AICTE ATAL Academy	Nil

8	Syed Shaul Hameed	Artificial Intelligence and Deep Learning Techniques (Slot I)	STTP	30.11.2020 - 05.12.2020	AICTE	Nil
9	Syed Shaul Hameed	Foundations of Deep Learning	Online Skill Development Program (SDP)	22.03.2021 - 26.03.2021	CSIR - CEERI, Pilani	Nil
10	Asrar Ahamed K	International Virtual Conference of Tribology 2020	International Conference	10.12.2020 - 12.12.2020	Department of Mechanical Engineering, SRMIST and Tribology Society of India	Nil
11	Sivakumar C	Introduction to control systems and feedback	Webinar/workshop	18.12.2020	Skill-Lync	Nil
12	Sivakumar C	Recent advancement in electric vehicle technologies	online FDP	08.12.2020-14.12.2020	Dept of Electrical and Electronics, SRMIST	Nil

❖ **Papers Published/ Presented in Journals & Conferences (July 2020 - June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	8	-	-	-	50	-	58

❖ **Details of Publication in National & International Journals & Conferences:**

International Journal & National Journal

a) SCI/Scopus Indexed Journal

- 1 Kabeel, A.E., Ravishankar Sathyamurthy, Muthu Manoka, R A, Swellam W. Sharshir, Essa, F.A., Ammar, H. Elshiekh, “Experimental study on tubular solar still using Graphene Oxide Nano particles in Phase Change Material (NPCM’s) for fresh water production”, *Journal of Energy Storage*, 28(2020) 101204. <https://doi.org/10.1016/j.est.2020.101204>
- 2 Arun Kumar, S, Suresh Mohan Kumar P, Ravishankar Sathyamurthy, Muthu Manokar, A, “A study of life cycle conversion efficiency and CO2 role in the pyramid shape solar stills - comparative analysis”, *Elsevier, Groundwater for Sustainable Development*, 11 (2020) 100413. <https://doi.org/10.1016/j.gsd.2020.100413>
- 3 Ravikumar Natarajan, Ravi, Sivakumar C, Varun Kumar Arulvizhi, Balasrinivasan. M, “Drag Optimization of Multi-Axle Commercial Vehicle Model using Ansys Fluent”, *SAE International*, Pg 6, SAE Technical Paper 2020-28-0494, 2020. <https://www.sae.org/publications/technical-papers/content/2020-28-0494/>
- 4 Vaithilingam, S., Gopal, S.T., Srinivasan, S.K. et al. “An extensive review on thermodynamic aspect based solar desalination techniques” *J Therm Anal Calorim* 145, 1103–1119 (2021). <https://doi.org/10.1007/s10973-020-10269-x>
- 5 Muthu Manokar, A, Vimala, M, Prince Winston, D, Rajendran, D.R., Ravishankar Sathyamurthy, Kabeel, A.E., “Year around distilled water production, energy and economic analysis of solar stills - A comparative study”, *Heat Transfer Wiley*, 49: 3651–3662.(2020) <https://doi.org/10.1002/htj.21793>
- 6 Muthu Manokar, A, Vimala, M, Prince Winston, D, Rajendran, D.R., Ravishankar Sathyamurthy, Kabeel, A.E., “A comparative study of 3E (energy, exergy, and economy) analysis of various solar stills”, *Heat Transfer Wiley*, 49: 4394– 4409.(2020) <https://doi.org/10.1002/htj.21832>
- 7 Gurukarthik Babu Balachandran, Prince Winston David, Gokul Rajendran, Mohamed Nasrulla Akbar Ali, Vignesh Radhakrishnan, Ramkumar Balamurugan, Muthumanokar Athikesavan, Ravishankar Sathyamurthy, “Investigation of performance enhancement of solar still incorporated with Gallus gallus domesticus cascara as sensible heat storage material” *Springer Environmental Science and Pollution Research*, 28, 611–624 (2021). <https://doi.org/10.1007/s11356-020-10470-3>
- 8 Rajendran Duraisamy Ramalingam, Ganapathy Sundaram Esakkimuthu, Jawahar Paulraj, Kabeel Abd Elnaby, Muthumanokar Athikesavan, Ravishankar Sathyamurthy, Sivakumar Vailthilingam, “Inferences on the effects og geometries and heat transfer fluids in multi-cavity solar receivers by using CFD”, *Environ Sci Pollut Res* 27, 32205–32217 (2020). <https://doi.org/10.1007/s11356-019-06829-w>

- 9 Varun Kumar Arulvizhi and Selvakumar Alandur Somasundaram, BSACIST, "Free vibrational characteristics of Dual Side Nd:YAG Laser Welded Stainless steel 304 joints reinforced with Al₂O₃, Micro Powder Particles", *SAE Int. J. Adv. & Curr. Prac. in Mobility* 3(2):806-812, 2021, <https://doi.org/10.4271/2020-28-0393>
- 10 Muthu Manokar, A, "Experimental study on effect of different mass flow rate in an inclined solar panel absorber solar still integrated with spiral tube water heater", *Desalination and Water Treatment*, 176, 285-291, 2020, DOI:10.5004/dwt.2020.25531
- 11 Shanmugan S, Essa F.A., Shiva Gorjanc, Kabeel A.E., Ravishankar Sathyamurthy, "Experimental study on single slope single basin solar still using TiO₂ nano layer for natural clean water invention", *Elsevier, Journal of Energy Storage*, 30 (2020), 101522, May 2020. <https://doi.org/10.1016/j.est.2020.101522>
- 12 Essa F.A., Ammar H Elsheikh, Ravishankar Sathyamurthy, Muthu Manokar, A, Kandeal, A.W., Shanmugan, S, Kabeel A.E., Swllam W. Sharshir, Hitesh Panchal, Younes M.M., "Extracting water content from the ambient air in a double-slope half-cylindrical basin solar using silica gel under Egyptian conditions", *Elsevier, Sustainable Energy Technologies and Assessments*, 39(2020) 100712. <http://dx.doi.org/10.1016/j.seta.2020.100712>
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- 14 Prabu Krishnasamy, Rajamurugan, G and Thirumurugan, M, "Performance of fiber metal laminate composites embedded with AL and CU wire mesh", *SAGE, Journal of Industrial Textiles*, June 2020, doi:10.1177/1528083720935570.
- 15 Ravishankar Sathyamurthy, Abd Elnaby Kabeel, Madhu Balasubramanian, Mageshbabu Devarajan, Swellam W Sharshir, Muthu Manokar, A, "Experimental study on enhancing the yield from stepped solar still coated fumed silica nanoparticle in black paint", *Elsevier Materials Letters*, 272 (2020) 127873. <https://doi.org/10.1016/j.matlet.2020.127873>
- 16 Mohammed El Hadi Attia, Zied Driss, Muth Manokar, A, Ravishankar Sathyamurthy, "Effect of aluminum balls on the productivity of solar distillate", *Elsevier, Journal of Energy Storage*, 30 (2020) 101 466. <http://dx.doi.org/10.1016/j.est.2020.101466>
- 17 Gurukarthik Babu Balachandran, Prince Winston David, Padmanaban Velayudhaperumal Chellam, Mohamed Nasrulla Akbar Ali, Vignesh Radhakrishnan, Ramkumar Balamurugan, Muthu Manokar, A, "Rehash of cooked oil for the palatable water production using single slope solar still", *Elsevier, Fuel*, 271 (2020) 117613. <https://doi.org/10.1016/j.fuel.2020.11761>
- 18 Kamlesh Pansal, Bharat Ramani, Kishor kumar Sadasivuni, Hitesh Panchal, Muthu Manokar, A, Ravishankar Sathyamurthy, Kabeel. A.E, Suresh. M, Mohammad Israr, "Use of solar photovoltaic with active solar still to improve distillate output: A review", *Elsevier, Groundwater for Sustainable Development*, 10 (2020) 100341. <https://doi.org/10.1016/j.gsd.2020.100341>
- 19 Varun Kumar Arulvizhi and Selvakumar Alandur Somasundaram, "Nd:YAG Laser Welded Stainless steel 304: The effects of Al₂O₃, Micro Particles Addition", *SAE International*, SAE Technical Paper 2020-28-0418-2020. <https://doi.org/10.4271/2020-28-0418-2020>

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- 20 Asrar Ahmed, K, Rasool Mohideen, S, Balaji, M.A.S., Surya Rajan, B, "Tribological Performance of Brass Powder with Different Copper and Zinc Content in the Brake Pad", *Tribology in Industry*, Vol.42, No.2(2020) 177-190. <http://dx.doi.org/10.24874/ti.783.10.19.03>
- 21 Ravikumar, S, Kanagasabapathy, H, Muralidharan, V, "Multi-component Fault Diagnosis of Self Aligning Troughing Roller (SATR) in Belt Conveyor System using Decision Tree - a Statistical Approach", *Faculty of Mechanical Engineering, FME Transactions* (2020) 48, 364-371. <http://dx.doi.org/10.5937/fme2002364R>
- 22 Ravikumar, S, Muralidharan, V, Ramesh, P, Cheran Panidan, "Fault Diagnosis of Self Aligning conveyor Idler in Coal Handling Belt conveyor system by statistical features using random forest algorithm", *Springer Nature, Singapore Pte Ltd.*, 2021, 978-984-15-7241-8_16. https://doi.org/10.1007/978-981-15-7241-8_16
- 23 Nagarajan, K.J., Balaji, A.N., Sathick Basha, K, Ramanujam, N.R., Ashok Kumar, R, "Effect of agro waste α -cellulosic micro filler on mechanical and thermal behavior of epoxy composites", *Elsevier, International Journal of Biological Macromolecules*, 152 (2020) 327-339. <http://dx.doi.org/10.1016/j.ijbiomac.2020.02.255>
- 24 Mohammed El Hadi Attia, Karthick, A, Muthu Manokar, A, Zied Driss, Abd Elnaby Kabeel, Ravishankar Sathyamurthy, Mohsen Sharifpur, "Sustainable potable water production from conventional solar still during the winter season at Algerian dry areas: energy and exergy analysis", *Springer, Journal of Thermal Analysis and Calorimetry*, 10973-020-10277-x. <http://dx.doi.org/10.1007/s10973-020-10277-x>
- 25 Baskara Sethupathi, P, Chandradass, J, Sai Balaji, M.A., "Comparative study of disc brake pads sold in Indian market - Impact on safety and environmental aspects", *Environmental Technology & Innovation*, <https://doi.org/10.1016/j.en.2020.101245>.
- 26 Lokeshkumar, J, Ramasamy, N and Mohamed Bak, K, "Compressive response on Kevlar hybrid Composite Pipe under Sea Water Environment", *AIP Conference Proceedings* 2283, 020086 (2020); <https://doi.org/10.1063/5.0025018> .
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- 28 Mahashar Ali, J, Siddhi Jailani, H, Murugan, M, "Surface roughness evaluation of electrical discharge machined surfaces using wavelet transform of speckle line images", *Elsevier, Measurements*, 149 (2020) 107029. <http://dx.doi.org/10.1016/j.measurement.2019.107029>
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International Conference & National Conference:

a) Conference with ISBN Proceedings

1. Gunasegaran, V, Muralidharan, V, “Fault Diagnosis of Spur Gear System through Decision Tree Algorithm using vibration signal”, *Elsevier, Science Direct Materials Today Proceedings, ICMMM 2019*, 22 (2020) 3232-3239.
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7. Ravishankar Sathyamurthy, Mageshbabu, D, Madhu, B, Muthu Manokar, A, Reajendra Prasad, A, Sudhakar, M, “Influence of fins on the absorber plate of tubular solar still - An experimental study”, Elsevier, *Materials Today : Proceedings*, 2214-7859/2020.
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❖ **Details of Impact Factor of the Publication and H-Index**

A) Range: 0.17 - 9.297 B) Average: 2.85 C) H-Index: 29 (Scopus) D) No. In Scopus: 51

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2020-21	Balance available	
1	Dr. R. Karunanithi	DST-SERB, Delhi	Synthesis and Characterization of ZrO ₂ Dispersed Ti, Ti-6Al-4V, Ti-6Al-5V, Ti-6Al-7Nb composite.	18.3	18.3	2.5	15.8	Ongoing
2	Dr. S. Rasool Mohideen (PI) Dr. M. Thirumurugan (Co-PI)	Indo Asean Project	Metal Additions of Polylactic Acid (PLA) Composite Filament for 3D Bio Medical Devices	-	-	-	-	Applied

3	Dr.B. Surya Rajan (Co-PI) Dr. K. Sathickbasha	DST-RSF Join call Proposal	Development of Sustainable Bio- Compatible Hydroxyapatite/Alumin a coating on Additive manufactured and Lasser irradiated CoCrMo Alloy	-	-	-	-	Applied.
4	Dr.B. Surya Rajan (PI)	TARE- 2021	Rgo coated steel fiber with enhanced thermal conductivity and wear resistance for copper free brake pads.	-	-	-	-	Applied.
5	Dr.H. Siddhi Jailani (PI) Dr. Mahashar Ali (Co-PI)	AICTE	Non-contact surface roughness measurement of machined surfaces using the wavelet metrics of laser speckle images.	-	-	-	-	Applied.
6	Dr. V. Muralidharan (PI) Dr. M. Thirumurugan (Co-PI)	AICTE	A machine learning approach for Investigation of pipe flow parameters using vibration signals by non-contact method	-	-	-	-	Applied.

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	System and method for analysis of roughness quality of flat specimens using image processing	-	√	-	-
2	Eductor based powder-mixed electric discharge machining (PMEDM) setup	-	√	-	-
3	Interior door skin materials for four wheeler	-	√	-	-
4	Machining process of cryogenically treated copper alloy electrode	-	√	-	-
5	Design and Development of a low cost solar dryer for drying vegetables and fruits	-	-	√	-
6	Development of Low frequency squealing noise insulator for passenger car drum brake	-	√	-	-

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Dr. S. Mohamed Ilyas	Best Learning Catalyst Award	Apollo Tyres, Chennai	September, 2020

2	Dr. Sathick Basha	Best Learning Catalyst Award	Apollo Tyres, Chennai	September, 2020
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❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/ Award Achieved	Details of Awarding organization	Date / Month & Year
1	Mr. Aravind Selvaraj & Mr. Girish	170021601013 170021602003	1 st Winner – Business Plan	MMA - Madras Management Association Chennai	18.11.2021
2	Mr. Aravind Selvaraj	170021601013	Top 50 in I-Innovate hackathon	Publishsutra	19.06 2021
3	Mr. Aravind Selvaraj & Mr. Girish	170021601013 170021602003	Shortlist in Smart India Hackathon 2020	AICTE - Smart India Hackathon	28.07.2020
4	Mr. Aravind Selvaraj & Mr. Girish	170021601013 170021602003	Shortlist in MHRD IIC National Innovation Contest 2020	Ministry of Education	22.11.2020
5	Mr. Ashfaaq Ahamed	170021601017	Design Thinking contest	TVS Training Services	25.12.2020
6	Mr. Mohan Raj R	170021601094	GRE and IELTS	Scored 296/340 in GRE Scored band 7 in IELTS	November, 2020
7	Mr. M. Mohamed Thalib	170021601078	Research paper titled "Performance assessment of free standing and building integrated grid connected photovoltaic system for southern part of India"	Published in International Journal, <i>Building Services Engineering Research and Technology</i> , 42(2), 237-248.	March, 2021

8	Mr. M. Mohamed Thalib	170021601078	Paper titled "Energy, exergy and economic investigation of passive and active inclined solar still: experimental study"	Published in International <i>JJournal of Thermal Analysis and Calorimetry</i> , 1-12.	February 2021
9	Mr. S.A. Rajaram	170021601111	Placed 6 th In Tamil Nadu State Ranking-2021	Tamil Nadu Badminton association (TNBA)	10.08.2021 – 15.08.2021

❖ **Developmental Activities:**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	FDP organized by AICTE on "Inculcating Universal Human Values in Technical Education"	13.09.2021-17.09.2021	Mr. Syed Shaul Hameed	Holistic value-based education to prepare our youth and develop our Nation	Preparation of Faculty Mentors for Universal Human Values as per 2020-21 Approval Process Handbook Self-development as well as institutional progress
2	Skill Development Program – "Foundations of Deep Learning", organized by CSIR-CEERI.	22.03.2021-26.03.2021	Mr. Syed Shaul Hameed	To enhance the skill towards recent technology	Facilitate students and guide project.

❖ **Industry / Institute Collaboration:**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status	Outcome
				Ongoing / Completed	
1	Polyhose India Pvt Ltd, Polyhose Towers, 8th Floor Western Wing, 86, Anna Salai, Guindy, Chennai, Tamil Nadu 600032	Industry - Institute Collaboration to carryout simulation Work	16.02.2021 – 16.04.2021	Completed	<ul style="list-style-type: none"> Flow analysis and Improvements of 2” Extrusion Die using Ansys Poly Flow. Generated Rs 25000 as consultancy fee.

❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1	SAE	Webinar on “Fluid Structure Interaction -Experimental Studies for Simulating Unsteady Wind Events” was organized in collaboration with BITS Pilani, Hyderabad on 8th September, 2020.	4	33	-	Dr. G. R. Sabareesh, BITS Pilani, Hyderabad	Students are exposed to the research aspects of experimental and simulations studies in wind energy field.	-
2	SME	Webinar on “Future Readiness for Mechanical	5	50	-	Mr.Tamil Selvan Mahalingam,	Students got awareness about different career	-

		Engineering students” was conducted on 11th September 2020				Founder & CEO, Future Captains	opportunities available, identification of strengths and weaknesses of a student to choose suitable career fields and the skills required.	
3	ISHRAE	Webinar on “Optimizing local energy system with Wind and Solar Energy” was organized on 03rd November 2020	4	35	-	Dr. Wolf-Gerrit Fruh, Associate Professor, HeriotWatt University, UK	Students are exposed to analysis of various renewable energy sources and case studies followed by the current research trends in the field of renewable energy	-

❖ **MoUs Signed:**

Sl. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	Skill Shark Edutech Pvt. Ltd.	Technology based Skill Development Education	07	12	2020	<ul style="list-style-type: none"> Industrial Visits, Pilot of New Learning Methodologies Online Course, Hands on Experience 	Ongoing
2	Apollo Tyres Ltd.	Project work, Implant Training, Campus training	15	10	2020	<ul style="list-style-type: none"> Collaborative Research Projects and Testing 	Ongoing

❖ **Extension Activity Conducted**

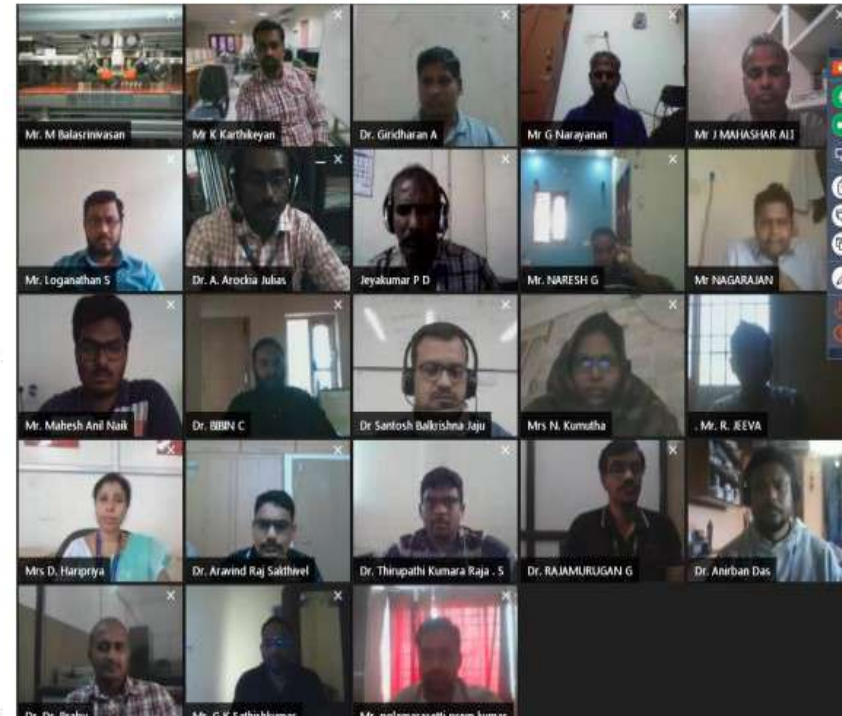
Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Crescent Blood Donors	1	2	-	NGO's in Chennai and across Tamil Nadu.	06.08.2021	<ul style="list-style-type: none"> • Fulfill the emergency blood needs • Needy-Free cost

❖ **Any Other Information:**

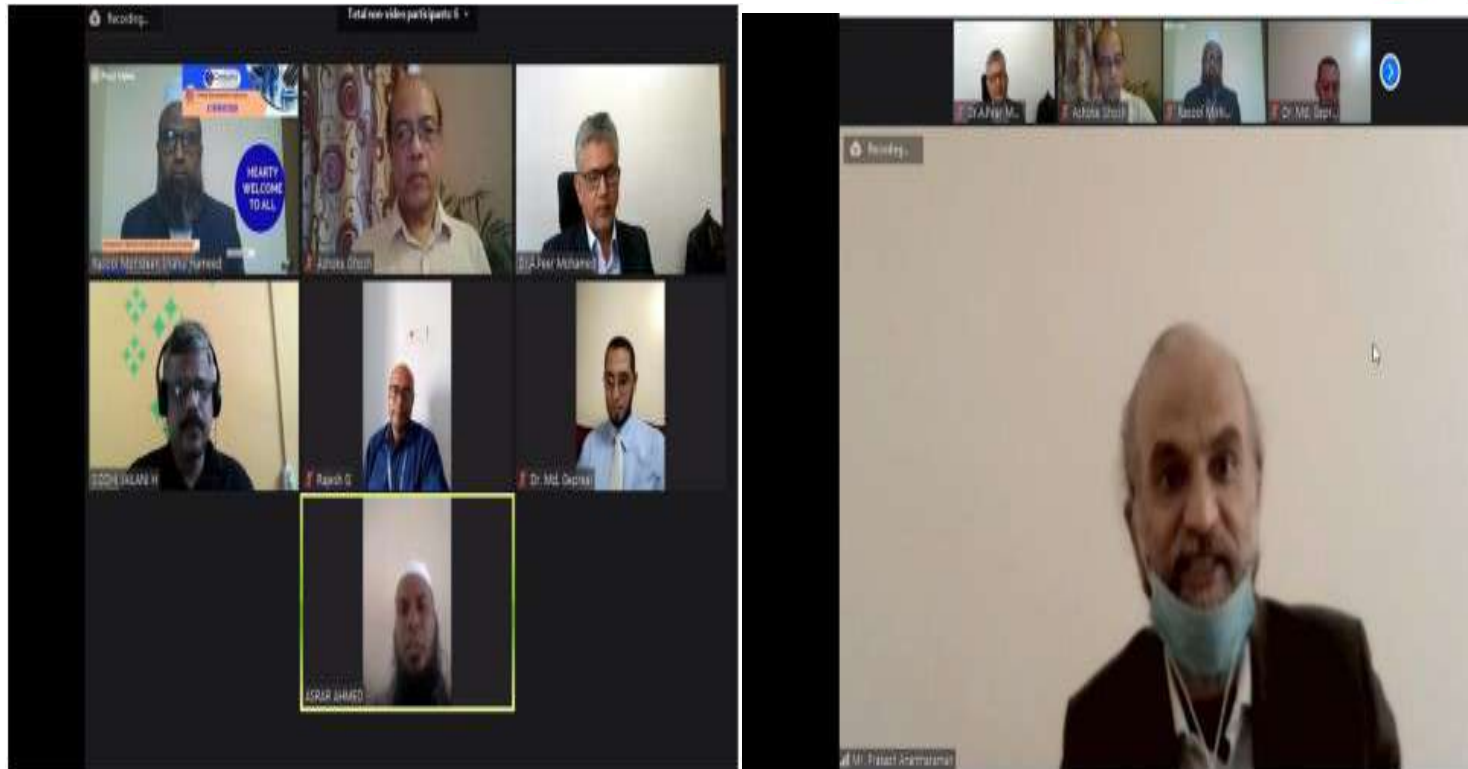
Mr. Mahashar Ali, Mr. B. Surya Rajan, Mr. S. Jeavudeen, Mr. S. Ramalingam, Mr. Aravindan Pandian: Completed their Ph.D. Degree during this academic year.



Sample Participants Photo:



**AICTE (ATAL) sponsored FDP on 3D Printing & Design
 07.12.2020 to 11.12.2020 (Five days)**



The ETDMMT 2020 Virtual Internationalconference was inaugurated by well known industrialist Mr. Prakash Anantharaman, Vice president (R&D), Renault Nissan Technology & Business Center India.

DEPARTMENT OF AEROSPACE ENGINEERING

❖ Training Programmes offered

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Drone Techniques and their Applications on Policing”	29.06.2021 - 30.06.2021	8 hours	Tamilnadu Police Training Academy (TNPA), Oonamanchery, Chennai.	-	-	88 trainee



❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. no	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Focused research on Gaps in Aeronautics, Micro Engineering and 3D printing	Webinar	04.07.2020	-	Dr. Balamurugan Gopalsamy, Scientist, NAL, Bangalore	10	26	20	144
2	Aeroengines: Structural Engineers' Nightmare	Webinar	11.07.2020	-	Dr Ramesh Rajasekaran, Formerly at Rolls-Royce UK	11	39	20	188
3	Experimental Aerodynamics: A Visual Tour	Webinar	18.07.2020	-	Dr S K Karthick, Faculty, Technion Israel institute of technology, Israel	13	31	18	60
4	CFD: A Colorful Virtual Universe	Webinar	25.07.2020	-	Dr. R. Senthil Kumar, Post Doctoral Fellow, Multiscale Flow Lab Hanyang University, South Korea	10	34	59	212
5	Introduction to Aircraft Design	Guest Lecture	07.04.2021	-	Dr. A. Sankaran, Director –	8	75	-	-

					Aerospace Engineering, Nehru Institute of Engineering and Technology Coimbatore				
6	Entrepreneurship Opportunities in the Drone Sector	Guest Lecture	06.05.2021	-	Mr. A.J. Arun Jeya Prakash, Director & CEO Aviocian Technologies Pvt. Ltd, New Delhi.	8	80	-	-
7	Basic of Satellites & Job Opportunities in Aerospace Industries	Guest Lecture	29.05.2021	-	R. Aarunachalam Scientist (Retd), U R Rao Satellite Centre (URSC), Bangalore.	8	65	-	-

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Confernece / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	Webinar	04.07.2021, 11.07.2021, 18.07.2021, 25.07.2021	Rs. 8000/-	-

2	Guest lecture	07.04.2021, 06.05.2021, 29.05.2021	Rs. 6000/-	-
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❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Dr. Sri Nithya Mahothamananda	Be the change -Teaching Learning Process	FDP	15.02.2021-20.02. 2021	AICTE	-
2.		Air Breathing Hypersonic Vehicle Propulsion	Webinar	04.11.2020	Patil Institute of Technology, Pimpri, Pune - 411018	-
3.		Trainning program on crescent LMS	Workshop	12.08.2020	BSACIST, Chennai	-
4.	Mr. S.V. Karthikeyan	Trainning program on crescent LMS	Workshop	12.08.2020	BSACIST, Chennai	-
5.	Mr. S. Karthikeyan	Nano additivies on automotive engine performance & Emission characteristics	Webniar	08.07.2020	Dept. of Automobile Engg., BSACIST , Chennai	-
6.		Aero Engine: Structural Engineers Nightmare	Webniar	11.07.2020	Dept. of Aeronautical Engg., BSACIST, Chennai	-
7.		Application of moodle LMS	FDP	11.07.2020 - 25.07.2020	BSACIST	-

8.		Emerging research areas in Aerodynamics	FDP	03.08.2020 - 08.08.2020	BIT (Aero)	-
9.	Mr. S. Karthikeyan	Design and Development of E- Content	Workshop	12.08.2020	BSACIST (CITL & Dean Academic)	-
10.		Aircraft Systems	WEBNIAR	12.08.2020	PSG (EEE)	-
11.		Research opportunities in metal matrix composites and its applications in the industry	WEBNIAR	05.09.2020	SRM (Auto)	-
12.		Nano Technology in IC engine	National workshop WEBNIAR	30.09.2020	VIT (Chennai)	-
13.		ADVANCED I.C. ENGINES & ALTERNATIVE FUELS	National workshop WEBNIAR	05.10.2020 – 09.10.2020	SAEINDIA Southern Section	-
14.		Recent advancement in composite materials and structures	Online FDP	02.11.2020 – 06.11.2020	SRM Institute of Science and Technology (Aero)	-
15.		Nano materials synthesis, characterization and application	Online workshop	09.11.2020 – 13.11.2020	SAE INDIA southern section	-
16.		Artificial intelligence and its impact in industry 4.0	Online STTP	26.04.2021-30.04.2021	BSACIST	-
17.		CFD fundamental theory and practice	workshop	18.05.2021	SSN (Mech)	-

❖ **Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	4	-	-	-	6	-	10

❖ **Details of Publication In National & International Journals & Conferences:**

International Journal & National Journal
SCI/Scopus Indexed Journal
Other journals

1. Sri Nithya Mahottamananda & P.N.Kadiresh, "Regression Rate Characterization of HTPB-Paraffin Based Solid Fuels for Hybrid Rocket", *Journal of Propellants, Explosives & Pyrotechnics*, Jul 2020.
2. Sri Nithya Mahottamananda & P.N.Kadiresh, "A study on thermal stability and combustion performance of hydroxyl-terminated polybutadiene-paraffin blended fuel", *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Sep 2020.
3. R. Karunanithi, "An exploration on microstructural observation and mechanical behavior of nano crystallite Al 7017 alloy via mechanical alloying and uniaxial hot pressing", *Materials Characterization – Elsevier*, November 2020.
4. R. Karunanithi, "A novel study on mechanically alloyed nanocrystalline Ti-6Al-4V alloy fabricated by spark plasma sintering", *Powder Metallurgy - Taylor & Francis*, December 2020.
5. Magesh M, "Examination of shape memory polymer-auxetic landing gears on landing approach for quadcopter", *Materials today - Science Direct*, May 2021.

- Sri Nithya Mahottamananda & Kadiresh P N, “A study on thermal stability and combustion performance of hydroxyl-terminated polybutadiene-paraffin blended fuel”, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, September 2020.

International Conference & National Conference:

Conference with ISBN Proceedings

Other Conferences

- S.Karthikeyan, “Systematic survey and truth flow analysis of wind tunnel in South India”, AIP *Conference Proceedings*, Dec 2020.
- Sri Nithya Mahottamananda & Kadiresh P N, “Effect of Number of Inlet Tangential Ports and Their Angle on Spray Characteristics of Plug Type Swirl Injector”, Lecture Notes in Mechanical Engineering, Springer, September 2020.
- Sri Nithya Mahottamananda & Kadiresh P N, “Mechanical Characteristics of Ethylene Vinyl Acetate Mixed Beeswax Fuel for Hybrid Rockets”, Lecture Notes in Mechanical Engineering, Springer, Mar 2021.
- Sri Nithya Mahottamananda & Kadiresh P N, “Mechanical Characteristics of Paraffin Wax, Beeswax and HTPB as Rocket Propellant - A Comparative Study”, Lecture Notes in Mechanical Engineering, Springer, Mar 2021.

❖ **Details of Impact Factor of The Publication and H-Index**

A) Range 0.37-3.562 B) Average 1.161 C) H-Index 6 D) No. In Scopus 310

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2020-21	Balance available	
1	Dr.P.N.Kadiresh , PI Dr. Sri Nithya Mahottmannada. Co-PI	Aeronautical Research & Development Board, DRDO	Development of Hybrid Rocket Motor	Rs. 9,79,300	-	-	-	Completes in August 2020

2	Dr R Karunanithi	SERB(TARE)	Synthesis and Characterization of ZrO ₂ Dispersed Ti, Ti-6Al-4V, Ti-6Al-5V, Ti-6Al-7Nb composite	Rs. 15 lakhs	-	-	-	ongoing
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❖ **Details of Major Equipment Purchased (Financial year 2020-21)**

Sl. No.	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	CATIA 3D Experience Software	France	31.03. 2021	13,85,665	Yes	

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Mr. S Karthikeyan	Book Name : Cloud Reliability Engineering Technologies and Tools Chapter name Predicting Reliability and Risk	-	141.28	CRC Press, INDIA April 2021 ISBN 9780367713737	Yes

❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Date / Month & Year
1.	Mr. S. Praveen	170091601016	98 Rank	GATE	March 2021
2.	Mr. V. Venkata Krishnan	170091601020	600 Rank	GATE	March 2021
3.	Mr. S.Danish Kaleem	180091601007	2nd Prize (Silver)	Boeing-IIT National Aeromodelling Competition	29.03.2021
4.	Ms. R. Raghavi	180091601016	Aircraft Maintenance Documentation for Amt's	FAA (Federal Aviation Administration) Safety Team	27.03.2021
5.	Mr. A. Sharun	180091601021	IIT-B Excellence Award & Letter of Recommendation (Aerospace Project)	Indian Institution of Technology - Bombay	December 2020 - March 2021
			Top 3000 Global Most Creative Individuals	World Book of Records-UK	November, 2020
			Got featured in Absolute Advantage (An Annual Tech and Finance Magazine)	Magazine Published by The University of Delhi	03.08.2021
			Galactic Problem-Solver	NASA's International Space Apps Challenge 2020	02.10.2020 - 04.10.2020
			Selected as Harvard Delegate	Harvard Project for Asian and International Relations (HPAIR)	January, 2021
			Selected as Harvard Indian Delegate	Harvard US-India Initiative	February, 2021
			Selected as Premium HBS (Harvard Business School) Delegate	India Conference at Harvard-IndiaCon	March, 2021

			3rd Runner-up, Role- Lead Solver	Solve – Massachusetts Institution of Technology, USA	June, 2021
			Selected for UN's Space Generation Advisory Council Mentorship program (2 times)	UN's SGAC (Space Generation Advisory Council)	October,2020-March,2021 & April,2021-September,2021
			Selected for Vogue Voices	Vogue	March 2021
6.	Mr. K. Sridhar	180091601023	Best design winners	SAE India Go-cart design competition	2020
			Participants	SAE India Tractor Design Competition	2020
7.	Mr. R. Syed Rayan	180091601026	1st Prize (Gold)	Boeing-IIT National Aeromodelling Competition	29.10.2021

❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Dessault Systemes	Center of Excellence	March 2021	Ongoing		Training programme completed for faculty member

DEPARTMENT OF AUTOMOBILE ENGINEERING

❖ Interdisciplinary Programmes Conducted

Sl. No.	Name of Programme	Other departments involved	Details of Keynote Speakers	Details of Participants			Programme Outcome
				Students	Faculty	Others	
1	Webinar : Digital Manufacturing for an Efficient Tomorrow	Mechanical Engineering	Mr. Arul Regan, Manager, 3D Printing Application - MONOTECH Systems Ltd, Chennai	59	10	35	This webinar has been arranged in association with CAE Centre and MONOTECH Systems Ltd. It encouraged the students in the area of "Digital Manufacturing"

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Effect of Nano Additives on Automotive Engine Performance & Emission Characteristics	Webinar	08.07.2020 (1.5 Hrs)	-	Dr. V. Arul Mozhi Selvan Associate Professor, Department of Mechanical Engineering, National Institute of Technology,	9	87	29	65

					Tiruchirappalli				
2	Electric and Hybrid Electric Vehicles Powertrain	Webinar	17.07.2020 (1.5 Hrs)	-	Dr. C.S. Shankar Ram, Professor, Engineering Design, Indian Institute of Technology, Madras	8	68	7	34
3	Digital Manufacturing for an Efficient Tomorrow	Webinar	23.07.2020 (1 Hr)	CAE Centre and MONOTEC H Systems Ltd.	Mr. Arul Regan, Manager, 3D Printing Application - MONOTECH Systems Ltd, Chennai	10	59	21	14
4	Role of Automotive Engineers in Current Era	Webinar	18.06.2021 (1.5 Hrs)	-	Mr. N. Kannan Head, BISTS Brakes India Private Limited, Chennai	7	52	6	14

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	Webinar on Effect of Nano Additives on Automotive Engine Performance & Emission Characteristics	08.07.2020 (1.5 Hrs)	Rs. 2000	-
2	Webinar on Electric and Hybrid Electric Vehicles Powertrain	17.07.2020 (1.5 Hrs)	Rs. 2000	-

3	Webinar on Digital Manufacturing for an Efficient Tomorrow	23.07.2020 (1 Hr)	Rs. 2000	-
4	Webinar on Role of Automotive Engineers in Current Era	18.06.2021 (1.5 Hrs)	Rs. 2000	-

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Dr. T.R. Tamilarasan	3D Printing & Design	FDP	07.12.2020-11.12.2020	AICTE Training and Learning Academy & BSARCIST	-
2	Dr. T.R. Tamilarasan	Application of Moodle LMS	FDP	11.06.2020-25.06.2020	DYP Patel Engineering College, Pune & BSARCIST	-
3	Dr. Dineshkumar C	Trends in automotive technology	International FDP	May 2021 (6 Days)	Wollo University, Medi-caps University & Sathyabama University	-
4	Dr. Dineshkumar C	Additives manufacturing	International FDP	June 2021 (6 Days)	Chennai institute of technology, Chennai,	-
5	Dr. Dineshkumar C	ICRADMM 2020	International conference	15.10.2020 – 16.10.2020	Amity University	-
6	Dr. C. K. Arvinda Pandian	Application of Moodle LMS	FDP	11.07.2020 - 25.07.2020	BSACIST and D.Y. Patel College of Engineering, Akruvi.	-

7	Dr. C. K. Arvinda Pandian	Materials Science and Nanotechnology (FDP-MSNT-2020)	FDP	03.08.2020 – 17.08.2020	BSARCIST	-
8	Mr. N. Kamesh	3D Printing & Design(AICTE Training And Learning (ATAL) Academy)	FDP	07.12.2020 - 12.12.2020	BSARCIST	-
9	Mr. N. Kamesh	Effect of additives on Automotive engine performance and emission characteristics	Webinar	08.07.2020	BSARCIST	-
10	Mr. N. Kamesh	Digital manufacturing for an efficient tomorrow	webinar	23.07.2020	BSARCIST	-
11	Mr. N. Kamesh	Recent trends on automotive new product development	FDP	13.07.2020-08.07. 2020	Sathyabama Institute of Science and Technology, Chennai	-
12	Mr. N. Kamesh	Research is Everyone's Responsibility	Webinar	04.07.2020	T J S engineering college	-
13	Mr. N. Kamesh	Design and development of E content	workshop	12.08.2020	BSARCIST	-
14	Mr. N. Kamesh	Energy storage characteristics, surface treatment, durability, sustainability and micro structure evaluation	FDP	27.07.2020-01.08.2020	Sai Ram Institute of Technology	-
15	Mr. N. Kamesh	Design challenges in Automotive EV	webinar	16.06.2021	Electronicsforu, EFY group	-
16	Mr. N. Rajmohan	3D printing and design	FDP	07.12.2020-11.12.2020	BSARCIST	-

17	Mr. N. Rajmohan	Emerging Fields in Thermal Engineering	FDP	13.08.2020-15.08.2020	Providence College of Engineering, Chengannur	-
18	Mr. N. Rajmohan	Aero engines: Structural Engineners' Nightmare	Webinar	11.07.2020	BSARCIST	-
19	Mr. N. Rajmohan	Effect of Nano additives on Automotive Engine performance and emission characteristics	Webinar	08.07.2020	BSARCIST	-
20	Mr. N. Rajmohan	Focused Research Gap on Aeronautics, Micro Engineering and 3D Printing	Webinar	04.07.2020	BSARCIST	-

❖ **Papers Published/ Presented In Journals & Conferences (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	2	-	1	-	11	-	12

❖ **Details of Publication In National & International Journals & Conferences:**
International Journal & National Journal
SCI/Scopus Indexed Journal

1. C.K.A. Pandian, H.S. Jailani, "Linen Fabric-Jute Fabric-Fumed Silica-Epoxy Sandwich Laminate: AWJ Machining and Multi-Response Optimisation", *Silicon* vol. 13, pp.1239–1248, 2021.

2. S. Dhanalakshmi, K. ShanmugaSundaram, T. R. Tamilarasan, and R. Rajendran, "The role of ceramic particle loading and the influence of hot extrusion on the tribological behaviour of aluminium alloy-SiCp composites", *Journal of Composite Materials*, vol. 55, no. 5, pp. 687–701, 2021.
3. N. Ravikumar, T. R. Tamilarasan and R. Rajendran, "Effect of graphene on friction and wear behavior of friction composite tested against grey cast iron disc alloyed with copper", *Carbon Trends*, vol. 3, pp. 100031, 2021.
4. P. Arjunraj, P.D. Jeyakumar, C. Dineshkumar , "Effects of novel intake manifold design and investigation of diesel engine operating on different alternative fuels". *J Therm Anal Calorim*, (2021), <https://doi.org/10.1007/s10973-021-10817-z>.
5. Syed, Zeenath Fathima, T. R. Tamilarasan, S. Rasool Mohideen and Milon Selvam Dennison, " Mechanical properties and surface characterisation of aluminium foam made of Al 6101 subjected to cryogenic treatment-a comparative study", *International Journal of Materials Engineering Innovation*, vol. 11, no. 3, pp. 244–263, 2020.
6. N. Ravikumar, R. Rajendran, T. R. Tamilarasan, and R Pandurangan, "Tribological Properties Evaluation of Newly Developed Friction Material for Automotive Disc Brake Pad", *SAE Technical Paper 2020-28-0511*, 2020.
7. C. Dineshkumar, "Security and Privacy Preserving for Patient's E-Health Care Applications", *Test Engineering and management system*, vol. 82, pp. 1781–1786, 2020.
8. Rajmohan Nagarajan, "Performance and emissions characteristics of water ingestion into inlet manifold in CI DI engine", *Indian journal of environmental protection*, vol. 40 no.7, pp. 675–684, 2020.
9. S. Zeenath Fathima, T.R. Tamilarasan, S. Rasool Mohideen, M.S. Dennison and J. Venkatesan, "The Effect of Novel Cryogenic Treatment in the Microstructure Analysis of Al 6101 Closed-Cell Foam", in *Advances in Design and Thermal Systems, Lecture Notes in Mechanical Engineering*, Ganippa L., Karthikeyan R., Muralidharan V., Ed. Singapore: Springer, 2021.
10. C. Dineshkumar, P.D. Jeyakumar, B. Mohamed Asarudeen, G. Mohamed Uvaize, A.K. Ahamed Kabeer, "Safety-Enhanced Driver Condition Monitoring System for Preventing Road Accidents in Automobile", in *Advances in Design and Thermal Systems, Lecture Notes in Mechanical Engineering*, Ganippa L., Karthikeyan R., Muralidharan V., Ed. Singapore: Springer, 2021.

11. Paulraj D, Jeyakumar P D, Rajamurugan G, Prabu “Influence of nano tio2/micro (sic/b4c) reinforcement on the mechanical, wear and corrosion behaviour of a356 metal matrix composite”. Archives of Metallurgy & Materials, Vol. 66 issue 3, pp 871-880,2020.
12. P. Arjunraj, P. D. Jeyakumar, C. Dineshkumar, M. Bharathiraja , "Effects of novel intake manifold design and investigation of diesel engine operating on different alternative fuels" , *Journal of Thermal Analysis and Calorimetry* , Vol. , Journal of Thermal Analysis and Calorimetry, <https://doi.org/10.1007/s10973-021-10817-z>,, 2021

**International Conference & National Conference:
 Conference with ISBN Proceedings**

1. C. Dineshkumar, A. Sonya, C. K. Arvinda Pandian, T. R. Tamilarasan, S. Dhanush, and K. Abdur Rahman. "Active Safety Enhanced Braking System with Driver Condition Monitoring for Passenger Vehicles." *In AIP Conference Proceedings*, AIP Publishing LLC, vol. 2283, no. 1, 2020, pp. 020030.
2. P. V. Inbanathan, U. Tamilarasan, R. Venkatesh Prasanna, C. Dineshkumar, S. Kiran, “Characteristics Assessment on Riveted, Bonded and Hybrid Joints Using Gfrp Composites”, *In International Conference on Recent Advances in Design, Materials and Manufacturing (ICRADMM 2020)*, 5th and 16th October 2020.

❖ Details of Impact Factor Of The Publication and H-Index

A) Range - **0.9 to 4.626** B) Average – **1.34** C) H-Index - **5** D) No. In Scopus - **8**

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	R. Muraliraja, T.R. Tamilarasan,	Book Name: Tribological Applications of Composite Materials	-	-	Springer, Singapore	https://doi.org/10.1007/978-981-15-9635-3

U. Sanjith, C. K. Arvindpandian	Chapter Name: The Effect of Fillers on the Tribological Properties of Composites				
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❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1.	A System and Method for Automatic Braking of Automobiles in Response to Driver Health Emergencies	-	Application No: 202141042920, 01.10.2021	-	No
2.	Predicting Covid-19 Infected Patients Based on Machine Learning in Healthcare Model	-	-	Patent number: 2021104206, Granted from 15/07/2021	No

❖ **Developmental Activities**

Sl. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Predicting Covid-19 Infected Patients Based on Machine Learning in Healthcare Model	3 Months	Dr. C. Dineshkumar	To obtain a Patent on the activity	Patent Granted

❖ **MoUs Signed**

SI. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1.	EDS Technologies	Training for faculty members & Students	23	03	2021	Training for Faculty members: CATIA 3D experience, Delmia and Simulia Software	Active

❖ **Extension Activity Conducted**

SI. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Pin on Disc Wear Testing	01	-	-	Wabco India Limited	5 days	Rs. 14,000

DEPARTMENT OF POLYMER ENGINEERING

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Higher Studies opportunities for Polymer Engineering Graduates	Webinar	19.09.2020	-	Mr.Jayant Kumar Lodha(Ph.D Scholar) IMEC(InterUniversity Microelectronics Centre)	8	40	-	-
2	Recent Advancements in Polymer Packaging and Career opportunities in Packaging	Webinar	26.9.2020	Indian Institute of Packaging – Chennai	1. Mr.N B.LALWANI - Deputy Director and Regional Head 2. Mr.R.Pon Kumar - Assistant Director	06	44	4	6
3	Employability Plus	Webinar	10.10.2021	Apollo Tyres Limited, Chennai	Mr.B. Ganesh Divisional Head – HR Global R&D – Asia	06	38	2	13
4	New Developments and Innovations in Plastics	Webinar	29.04.2021	Quality Containers, Chennai	Ms.Ranjani, MD, Quality Containers, Chennai	06	40	9	56

	Technology								
5	Compound Design for general and special purpose elastomer	Webinar	22.05.2021	Macrochem, Poland	Mr.Santhanam Ganesh, Director and Head of Asia Pacific	06	45	18	55

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Mr.Basanta Kumar Behera	Emerging Trends in Design, Manufacturing, Materials and Thermal Sciences (ETDMMT 2020)	International Conference	24.09.2020 – 25.09.2020	B.S Abdur Rahman Crescent Institute of Science and Technology	NA
2	Dr.S.Shamshath Begum	4th ICRDEPM-2021	International Conference	07.02.2021	International Institute, India	NA
3	Dr.J.Shahitha Parveen	Frontiers in Chemistry	FDP	16.09.2020 - 18.09.2020	St.Josephs College of Engineering ,Chennai	NA
		Advanced or Smart Processing Technology	FDP	10.08.2020 – 14.08.2020	Dept of Polymer Science and Engineering , JSS Science and Technology, Mysur	NA

		Materials Science and Nanotechnology	14 days FDP	03.08.2020 – 17.08. 2020	Dept.of Chemistry B S A Crescent Institute	NA
		Skill Set for Effective Teaching	Seminar	16.08.2020	Literacy Committee and Rotary Club of Tinnevely	NA
		Worklife Balance	Seminar	03.08.2020	District Institute of Education and Training	NA
4	Mr. D Murali Manohar and Dr.J.Shahitha Parveen	3D Printing & Design	ATAL, FDP	07.12.2020-11.12.2020	AICTE	NA
5	Mrs.R.Daulath Banu and Dr.J.Shahitha Parveen	Training Program on Crescent LMS for Faculty members	Workshop	04.08.2020	B S A Crescent Institute	NA
		Online Workshop on Design and Development of E content	Workshop	12.08.2020	B S A Crescent Institute	NA
		Start up opportunities in Halal Industries	National Webinar	18.08.2020	B S A Crescent Institute	NA
		Energy Conservation and Management	Webinar	31.10.2020	B S A Crescent Institute	NA
		Be the change Teaching Learning Process	5 days short term training programme (AICTE Sponsored Programme)	05.04.2021 - 10.04. 2021	B S A Crescent Institute	NA

❖ **Papers Published/ Presented In Journals & Conferences (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	978-981-33-6427-1	-	-	-	02	-	03

❖ **Details of Publication in National & International Journals & Conferences:**

International Journal & National Journal

- a. **SCI/Scopus Indexed Journal**
- b. **Other journals**
 - a) **SCI/Scopus Indexed Journal**

1. **Revathi Purushothaman**, Hari Shankar. V, "Inclusion of covalent triazine framework into fluorinated polyimides to obtain composites with low dielectric constant", *Journal of Applied Polymer Science*, DOI: 10.1002/app.49083, 3rd Feb 2020.
2. **D.Murali Manohar**, B.C. Chakraborty and **S. Shamshath Begum**, "Study of the effect of Graphite filler on the Vulcanizing Behavior and Properties of Nitrile rubber and NBR-PVC Blends", *Journal of Polymer Materials*, Vol 37, pp. 91-107, 2020.

International Conference & National Conference:

- Conference with ISBN Proceedings**
- Other Conferences**

1. Mr. Basanta Kumar Behera, “The Addition of Polytetrafluoroethylene (PTFE) and graphite on Acrylonitrile Butadiene Styrene (ABS) and its effect on Mechanical and Tribological Characteristics” in the *International Conference “Emerging Trends in Design, Manufacturing, Materials and Thermal Sciences (ETDMMT 2020)”*, B S Abdur Rahman Crescent Institute of Science and Technology, Chennai during September 24-25, 2020

❖ **Details of Impact Factor of The Publication and H-Index**

A) Range- 1.367 – 2.81 B) Average – 2.08 C) H-Index - 4 D) No. In Scopus: 4 (Including Book Chapter)

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1	Dr. M. Basheer Ahamed and Dr. S.S.M Abdul Majeed	DST, SERB	Development of Graphene and Metal Nanoparticles Reinforced Flexible Polymer nanocomposites for Effective Electromagnetic Interference (EMI) Shielding Applications	3 years (17.03.2018 - 16.03.2021)	28.02 lakhs	-	-	Ongoing

❖ **Details of Major Equipment Purchased (Financial year 2019-20)**

Sl. No.	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Arc Resistance Tester	SEV Electrical Ltd, Chennai, India	10.07.2019	22200	Yes	-

❖ **Book Published (Book Chapter)**

1. Sriram Srinivasan, Abbas S.V, Suganandam D, Karthik. D and **S.Shamshath Begum**, “**A Comparative Study on the Characteristics of Crumb Rubber with Commercial Rubbers**, *Advances in Design and Thermal Systems, Lecture Notes in Mechanical Engineering* – Springer Publications, DOI : 10.1007/978-981-33-6428-8, ISBN : 978-981-336-427-1, pp.213-220, 2020.
2. **Murali Manohar D**, Bikash Chandra Chakraborty and **S.Shamshath Begum**, Hardness – Elastic Modulus Relationship for Nitrile Rubber and Nitrile Rubber - Polyvinyl Chloride Blends, *Advances in Design and Thermal Systems, Lecture Notes in Mechanical Engineering* – Springer Publications, DOI : 10.1007/978-981-33-6428-8, ISBN : 978-981-336-427-1, pp. 301-314, 2020.

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1.	Porous Hydrophobic Polymer Composite for Separation of Oil From Oil Spills in Water and Preparation Method	Application No. 346378 17.12.2015	Yes	Granted for 20 years	

	Thereof				
2.	An apparatus for Recycling of Polymeric Waste	-	-	Granted	NIL

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr.S.Shamshath Begum	Outstanding Reviewer Award	Nanotechnology Journal – IoP Publishing	15.04.2021
2.	Dr.S.Shamshath Begum	Received Seed Money Grant for the project “Fabrication of Novel Low Cost Biogas Sensors” under Crescent Seed Money (CSM) scheme-2021	B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai	11.03.2021
3.	Dr.S.Shamshath Begum	Received Outstanding Woman Researcher , Specialization : Chemical Engineering	VENUS Women Award, Chennai,	06.03.2021
4	Dr.S.Shamshath Begum	Received Best Presentation Award	4 th International Conferences on Research & Developments in Engineering, Pharmacy & Management	07.02.2021
5	D Murali Manohar	Teaching and Evaluating Two Student batches	Wadhvani Foundation	February, 2021
6	D Murali Manohar	Global Jury Award, Silver level	Wadhvani Foundation	June, 2021





CENTRE FOR SUSTAINABLE DEVELOPMENT

DIRECTOR(CSD)

Ref: CSD/CSM/28

Date:11-03-2021

ORDER

Sub: Financial sanction to Dr.D.Najumissa, Dr. M.S.Murshitha Shajahan, Department of Electronics and Instrumentation Engineering and Dr. S. Shamshath Begum, Department of Polymer Engineering, under Crescent Seed Money Scheme – Release of Grant –Reg.
 Ref: Your request for seed money for the project proposal entitled“Fabrication of Novel Low Cost Biogas Sensors”.

1. Based on the recommendations of the committee and approval of the Vice chancellor, Sanction of Seed Money is hereby accorded for the proposal entitled“Fabrication of Novel Low Cost Biogas Sensors”, at a total cost of Rs.50,000/- (Rupees fifty thousand only) for a duration of 6 months under Crescent Seed Money Scheme payable to Dr.D.Najumissa, Dean, School of Electronics and Communication Sciences. The date of start of the project will be from the date of receipt of this letter. The items of expenditure for which the total allocation of Rs.50,000/- have been approved as given below.
- Allocation of Budget details:

Sl.No	Items to be purchased	Estimated amount Rs.
1	Sensors materials	25,000.00
2	Fabrication and Miscellaneous	20,000.00
3	Testing and Miscellaneous	5,000.00
	Total	50,000.00

Expected outcome of this project: a) 1 product b) publication in HQ journal c) filing 1 patent .

2. Sanction of the CSD is also accorded to the payment of Rs.25,000/- (Rupees twenty five thousand only), being 50% as advance as first instalment of the grant for the year 2021-22 for implementation of the said research project.Balance will be released after submission of the receipts of the first instalment with progress of the work report.
3. The expenditure involved is debitabto the budget allocated to office of the CENTRE FOR SUSTAINABLE DEVELOPMENT (CSD).

[Signature]
 Director (CSD)



**INTERNATIONAL INSTITUTE OF RESEARCH IN
 MULTIDISCIPLINARY - SKILL DEVELOPMENT TRUST**
(B.L. Skill Development Trust for Engineering)
 (Registered at National Level and Reg. Number: BK IV of 7/2017, Under Indian Trust Act 1882)

Presents

BEST PRESENTATION AWARD

To

" S. Shamshath Begum, Assistant Professor (Sr. Gr) "

OF

" Department of Polymer Engineering, B.S.Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai - 600048 "
For The Paper

"Recycling of Plastic Waste to Commercial Products by Pyrolysis Process"

Presented In

**" 4th INTERNATIONAL CONFERENCE ON RESEARCH & DEVELOPMENTS IN ENGINEERING, PHARMACY & MANAGEMENT – 4th ICDEPM-2021
 :: 07th February, 2021 ::Google Meet
 ::HEAD OFFICE::CHIRALA::ANDHRA PRADESH, INDIA "**


 CONFERENCE CONVENER
 4th ICDEPM-2021: E- CONFERENCE
 Date of Issued: 07-FEBRUARY-2021


 Dr. J.Ravindra
 ORGANIZING CHAIR
 B.E.C., Bapatla, A.P
 Website: <https://www.iirmst.org/>

❖ **Achievements of Students**

SI. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Sriram Srinivasan, Abbas S.V, Suganandam D	170131601009, 170131601001, 170131601010	Published Book Chapter on “A Comparative Study on the Characteristics of Crumb Rubber with Commercial Rubbers” ,	Advances in Design and Thermal Systems, Lecture Notes in Mechanical Engineering – Springer Publications	DOI : 10.1007/978-981-33-6428-8, ISBN : 978-981-336-427-1, pp.213-220, 2020.
2.	M.Dheeraj Prajapath	180131601001	Milan Colesseum National Level Runner UP in Cricket	Runner UP	20.01.2020

❖ **Professional Society Activities**

SI. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1	Indian Plastics Institute, Chennai Students' Chapter	Webinar	06	40	65	Ms.Ranjani, MD, Quality Containers, Chennai	Introduction to new concepts, Knowledge sharing	-

SCHOOL OF LIFE SCIENCE

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❖ New Programmes Started

Sl. No.	Name of Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1	M. Tech Food Biotechnology	July, 2020	Yes	Yes	Yes	Yes

❖ Training Programmes Offered

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	180 Minutes Emergency Response Training Program	06.05.2021	3 hrs	Mr. Prabhudoss B Chief Executive Officer Five Star EMRC Chennai, India	108	270	17

❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Two days virtual symposium for "National Pollution Control Day"	Symposium	02.12.2021 – 03.12.2021	HEFA Environ Pvt. Ltd. & HLRJ Biotech Pvt. Ltd	Speaker: Dr. H. Gopi, Professor, Department of Veterinary Medicine, Kebri Dehar University, Ethiopia Speaker: Dr. S Ramesh Prabhu, Accenture Services Pvt. Ltd., Chennai, India Speaker: Er. D. Sivakumar, General Manager, RANITEC CETP Speaker: Er. D. Vasudevan, District Environmental Engineer, Tamilnadu Pollution Control Board, Maraimalainagar Division, Kancheepuram	20	300	27	196

					District, India				
2.	Novel and Alternative Therapeutics for Neurodegenerative Diseases Mediated Through Unfolded Protein Response (UPR)"	Virtual International Conference	20.09.2021-23.09.2021	International Brain Research Organization (IBRO), France and Tamil Nadu State Council for Science & Technology (TNSCST)	<p>Prof. Mukesh Doble IIT Madras India</p> <p>Dr. Mohd Mushahid Khan from University of Tennessee Health Science Center, Tennessee, USA</p> <p>Dr. Syed Shadab Raza from Era Medical College, Lucknow, India</p> <p>Prof. Vijayapandi Pandey Chalpathi Institute of Pharmaceutical sciences, India.</p> <p>Dr. Phan Chia Wei University Malaya, Kuala Lumpur Malaysia.</p> <p>Professor Sripad Deshpady from India, Dr Suhail Muzaffar from University of Alabam, USA and Dr Li Wei from University of Hong kong.</p> <p>Dr. Raji Sundarrajan from Purdue University, USA</p> <p>Dr. Anita from Saveetha Medical College.</p>	19	400	67	470

	<p>3. 2nd Virtual Annual International Conference on Naturopathy, Nanotechnology, Nutraceuticals and Immunotherapy in Cancer Research - 2021</p>	<p>International Conference</p>	<p>11.06.2021 – 12.06.2021</p>	<p>TamilNadu State Council for Science & Technology (TNSCST) & Microbiologist Society, India (MSI)</p>	<p>Speaker: Dr. Ignacio G. Camarillo, Department of Biological Sciences, Purdue University, USA Speaker: Dr. Elisebatta Seini, Department of Theoretical and Applied Science, University of Insubria, Varese, Italy Speaker: Dr. A. Suresh Kumar, Senior Scientist, Department of Biochemistry and Biotechnology, CSIR-CLRI, Adyar, Chennai, India Speaker: Dr. Allen Garner, Associate Professor, School of Nuclear Engineering, School of Electrical and Computer Engineering, Department of Agricultural and Biological Engineering, Purdue University, USA Speaker: Dr. Kavitha Sankaranarayanan, Head, Ion Channel</p>	<p>19</p>	<p>All UG, PG, Scholars</p>	<p>66</p>	<p>436</p>
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					Biology Laboratory and AYUSH Research Centre, AU-KBC Research Centre, MIT Campus of Anna University, Chennai, India about Cancer therapy: Cures from Nature				
4.	Golden Hour Awareness Program	Awareness	29.04.2021	-	Mr. Prabhudoss B Chief Executive Officer Five Star EMRC Chennai, India	-	-	30	524
5.	Webinar on "Cancer, Causes and Prevention"		31.03.2021	-	Dr. Asrar Alam, Dr. B.R Ambedkar Institute of Rotary Cancer Hospital, AIIMS, Delhi	-	-	9	163
6.	World Encephalitis Day -2021 Quiz	Webinar	22.02.2021	-	-	-	-	44	430
7.	Virtual Antimicrobial Symposium to observe World Antimicrobial Awareness week	Virtual Symposium	18.11.2020-24.11.2020.	Microbiologists Society, India (MSI)	-	19	400	53	516

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Confernece / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

SI. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1	Novel and Alternative Therapeutics for Neurodegenerative Diseases Mediated Through Unfolded Protein Response (UPR)"	20.09.2021– 23.09.2021	Sponsored by International Brain Research Organization (IBRO), France	Rs 1,41,213.4 sponsored by IBRO, France

❖ **Conferences / FDP / Seminars / Workshops Attended**

SI. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Ms.Ranjani S, Mr. Pradeep Parthasarathy, Mr. P. Rameshkumar and Dr. S. Hemalatha	"Biofilm, Biofouling, Bioproducts"	Virtual Conference	27 .05.2021	Academy of Maritime Education and Training (AMET),	-

					Chennai.	
2.	Ms.Ranjani, Ms. Shruthy Priya. Mr.P, Maroudam Veerasami. Mr. M, Nachimuthu Senthil Kumar,Ms. Ruckmani, K. and Dr. S. Hemalatha	“Advances in Biotechnology - Gene Technology 2021”	International web conference	17.02.2021-18.02.2021	Dwaraka Doss Goverdhan Doss Vaishnav College Chennai	-
3.	Ms.Ranjani S and Dr.S. Hemalatha	“Bioenergy, Environment and Sustainable Technologies (BEST2021	5th International Conference	29.01.2021 - 30.01.2021	Arunai Engineering College, Thiruvanamalai	-
4.	Ms.Ranjani S, Mr.Pradeep Parthasarathy M, Mr.Senthil Kumar N, Dr. Hemalatha S	“Bioprospecting (ICONBIO) “	International E-Conference	29.01.2021 - 30.01.2021	Arunai Engineering College, Thiruvanamalai	-
5.	Ms.S. Ranjani, Ms.Shruthypriya. Mr.P, Maroudamveerasami. Mr. M, Nachimuthu Mr. Senthil Kumar, Ms.Ruckmani, K. and S. Hemalatha	International conference on “Emerging Trends in Antimicrobial Strategise and Bio-innovation”	International Conference	18.12.2020 – 19.12.2020	RK University, Rajkot,	-
6.	Ms.Ranjani S, Ms. Jayashree B, Mr. Anandan Balakrishnan, Dr. Hemalatha S	“Emerging Trends in Antimicrobial Strategise and Bio-Innovation”	International Conference	18.12.2020 – 19.12. 2020	RK University, Rajkot	-
7.	Ms.S. Ranjani, Ms.U. Rubiya Kathun, Mr.	“Emerging Trends in Antimicrobial Strategise	International Conference	18.12.2020 – 19.12. 2020	RK University, Rajkot	-

	Nachimuthu Senthil Kumar, Ms.Ruckmani, K. and Dr. S. Hemalatha	and Bio-Innovation”				
8.	Ms.Ranjani S and Dr. S. Hemalatha	International Virtual Conference on “Fungal Biotechnology: Recent Trends and Future Prospectives” - FBRTFP - 2020.	International Conference	11.12.2020 - 12.12.2020	Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam	-
9.	Ms.Ranjani S and Dr.S. Hemalatha	“Current Advances in Rice Blast Research” (CARBR-2020	International Virtual conference	.01.12.2020 – 05.12. 2020	NIT Durgapur	-
10.	Ms.S. Ranjani, Ms.Shruthypriya. P, Mr.Maroudamveerasami, Mr.M. Nachimuthu Senthil Kumar, Ms.Ruckmani K. and Dr.S. Hemalatha	30th SBAOI Annual Meeting, 12th STERMI Annual Meeting & International Virtual Conference on “Biomedical Materials Innovation”	Annual Meeting, Annual Meeting & International Virtual Conference	06.12.2020 - 09.12. 2020	Department of Nanoscience and Technology Bharathiar University Coimbatore – 641046 Tamilnadu, India	-
11.	Ms. M.Fazeela Mahaboob Begum, Dr. S.Hemalatha	“Lung Cancer, bioevent”	Virtual Conference	24.09.2020 - 25.09.2020	Bioevent, Virtual-LC 2020	-
12.	Ms.H Noorul Samsoon Maharifa and Dr. S. Hemalatha	Host-pathogen interaction: Present and Future Perspective (Online)	Virtual Conference	24.09.2020 - 25.09.2020	National institute of Technology, Rourkela, Odisha,	-
13.	Dr.S. Hemalatha	Host-pathogen interaction: Present and Future Perspective (Online)	Virtual Conference	24.09.2020 - 25.09.2020	National institute of Technology, Rourkela	-

14.	Ms.Ranjani S, Mr. Pradeep Parthasarathy, Mr.P. Rameshkumar and Dr. S. Hemalatha	“Novel Microbes And Newer Threats” (online)	Virtual Conference	14.09.2020-17.09.2020	Sathyabama Institute of Science & Technology, Chennai,	-
15.	Ms. S.Ranjani, Ms.Shruthy Priya.P, Mr. Maroudam Veerasami. Mr.M, Nachimuthu Senthil Kumar, Ms.Ruckmani, K. and Dr. S. Hemalatha	Advanced Nanomaterials for Energy and Environmental Applications (ICANEE 2020)	Virtual Conference	16.09.2020-18.09.2020	Brunel University	-
16.	Ms.Ranjani S and Dr.S. Hemalatha	Host-pathogen interaction: Present and Future Perspective (Online)	Virtual Conference	24.09.2020 & 25.09.2020.	National institute of Technology, Rourkela, Odisha	-
17.	Mr.Logesh R and Mr. Neesar Ahmed	Nanoscience and Nanotechnology (Virtual Conference)	International Conference	01.02.2021 – 03.02.2021	SRM Institute of Science and Technology	SRF-ICMR

❖Papers Published/ Presented In Journals & Conferences (July 2020-June 2021)

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	ISSN 2668-6384 ISBN: 978-81-950236-	71+ 98	-	-	63	2	234

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❖ **Details of Publication In National & International Journals & Conferences:**

1. Anandraj Vaithy.K, Sowmya.S, Mohamed Adil A.A, Revathi. K, Keerthika Sri E.S, Pandurangan AK, “Analysis of Diagnostic Trends and Challenges of Tuberculous Lymphadenitis: A 5 years study from Resource Poor Region of South India”, *Annals of the Romanian Society for Cell Biology*, 24, 1, 447 – 464, 2020.
2. Thangaraj Ramasamy, MubarakAli Davoodbasha and Thajuddin Nooruddin, “Antibacterial Activity of Biogenic Silver Nanoparticles Synthesized using Phycobiliproteins of *Anabaena lyngbyi*”, *Research Journal of Biotechnology*, 15, 1,133,2020.
3. P. Deepika, D. MubarakAli, “Production and Assessment of Microalgal Liquid Fertilizer for the Enhanced Growth of Four Crop Plants”, *Biocatalysis and Agricultural Biotechnology*, 28, 101701, 2020.
4. Faridha Begum. I , Manikandan. K , Edet Love Mendie and Hemalatha.S, “Bioremediation of AZO Black Dye by Novel Bacteria Isolated from Tannery Effluent”, *International Journal of Advance Study and Research Work*, Special Issue ICROIRT-2020, 608-610, 2020
5. S. Ranjani, Shruthy Priya.P , Maroudam veerasami . M and S. Hemalatha, “Cymbopogon Citratus Nanocolloids in the Treatment of Bovine Mastitis”, *International Journal of Advance Study and Research Work*, Special Issue ICROIRT-2020, 614-616, 2020
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7. V. Gopinath, D. MubarakAli, Jamuna Vadivelu, S Manjunath Kamath, Asad Syed, Abdullah M. Elgorban, “Synthesis of Biocompatible Chitosan Decorated Silver Nanoparticles Biocomposites for Enhanced Antimicrobial and Anticancer Property”, *Process Biochemistry*, 99, 348-356, 2020
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9. Priyanka K, Mohamed Adil A.A, A.K. Mubeena Begum, Revathi K, Pandurangan AK, Tamilselvi A. “Extraction of Acid Soluble Collagen from *Coryphaenahippurus* (Mahimahi) and its Application in Tissue Engineering”. *Annals of the Romanian Society for Cell Biology*, 24, 1, 197-212, 2020
10. Mariam Adhila H, Shariq Ahmed M, Ranjani S, Senthil Kumar Nachimuthu, Hemalatha S, “Marine Endophytic Fungi Mediated Silver Nanoparticles and their application in Plant Growth Promotion in *Vigna Radiata*”, *International Journal of Nano Dimension*, 12, 1, 2021

11. Ranjani S, Shariq Ahmed M, Mohd Adnan, Senthil Kumar N, Ruckmani K and Hemalatha S, "Synthesis, Characterization and Applications of Endophytic Fungal Nanoparticles", *Inorganic and Nano-Metal Chemistry* 51, 2, 280-287, 2021
12. Shabnam Ameenudeen, Sneha Unnikrishnan and Karthikeyan Ramalingam, "Statistical Optimization for the Efficacious Degradation of Reactive Azo Dyes Using *Acinetobacter Baumannii* JC359", *Journal of Environmental Management*, 279, 111512, 2021
13. Aashique M, Roy A, Kosuru RY and Bera S "Membrane Depolarization Sensitizes *Pseudomonas Aeruginosa* Against Tannic Acid", *Current Microbiology*, 78, 2, 713-17, 2021
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15. Divya, U, Ranjani, S, Hemalatha, S, "Repurposing of FDA-Approved Drugs Against *Mycobacterium Tuberculosis* Target MMA4 and CMAA2 " *Biointerface Research in Applied Chemistry*, 11, 6, 14688 – 14696, 2021
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17. Ranjani. S, Faridha Begum. I, Tasneem I.K, Senthil Kumar. N and Hemalatha. S, "Silver Decorated Green Nanocolloids as Potent Antibacterial and Antibiofilm Agent Against Antibiotic Resistant Organisms Isolated from Tannery Effluent", *Inorganic and Nano-Metal Chemistry*, 51, 6, 823-831, 2021
18. L. Mittal, Ranjani. S, Shariq Ahmed. M, Jeya Shree T, Tahira A, Poompavai S, IG Camarillo, GowriSree V, Raji S and S. Hemalatha, "Turmeric-Silver-Nanoparticles for Effective Treatment of Breast Cancer and to break CTX-M-15 mediated Antibiotic Resistance in *Escherichia coli*", *Inorganic and Nano-Metal Chemistry*, 51, 6, 867-874, 2021
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31. Neetu Talreja, Shagufta Afreen, Mohammad Ashfaq, Divya Chauhan, Adriana C Mera, CA. Rodríguez, RV Mangalaraja, Bimetal (Fe/Zn) Doped Bio Photocatalyst: An Effective Photodegradation of Tetracycline and Bacteria", *Chemosphere*, 2021
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38. Srinivasan Parvatha Vardhini, Heena Sadiya, Saba Beigh, Ashok Kumar Pandurangan, Hemalatha Srinivasan, Md Khalid Anwer, Mohammad Waseem, “Possible Interactions of Non Steroidal Anti Inflammatory Drugs Against NFkB and COX-2 Mediated Inflammation”. An In Silico probe, *Applied Biochemistry and Biotechnology*, 2021
39. Srinivetha Pathmanapan, Mythrehi Sekar, Pandurangan AK, Suresh Kumar Anandasadagopan. “Fabrication of Mesoporous Silica Nanoparticle–Incorporated Coaxial Nanofiber for Evaluating the In Vitro Osteogenic Potential”. *Applied Biochemistry and Biotechnology*, 2021
40. Harinishree Venkatesan, Ranjani Soundhararajan and Hemalatha Srinivasan, “Interaction of various types of Bisphenols with Enzymes involved in Melanin Synthesis”, *Toxicology and Environmental Health Sciences*, 6, 6-Jan 2021
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46. Ranjani.S. Pradeep. P. Vimalkumar. U, Ramesh Kumar. V and S. Hemalatha, “Pungent Antiinfective Nanocolloids Manipulate Growth, Biofilm Formation and CTX-M-15 Gene Expression in Pathogens Causing Vibriosis”, *Aquaculture International*, 29, 859-869, 2021
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56. Navonil, M., Satpati, G., Sathya R., MubarakAli Davoodbasha, “Current Strategies on Algae-Based Biopolymer Production and Scale-Up”, *Chemosphere*, 289, 133178, 2021
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58. Shameera Begum B, Faridha Begum I, and Hemalatha S, “Cancer Nanomedicine: A Review on Approaches and Applications towards Targeted Drug Delivery”, *International Journal of Nano Dimension*, 2021
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65. Sasidharan Venkataramanan, Deepa Sachan, Divya Chauhan, Neetu Talreja, Mohammad Ashfaq, “Three-dimensional (3D) Polymer—Metal–Carbon Framework for Efficient Removal of Chemical and Biological Contaminants”, *Scientific Reports*, 2021

❖ **Details of Impact Factor of The Publication and H-Index**

A) Range 0.35 to 7.963 B) Average- 4.513 C) H-Index- 27 D) No. In Scopus- 63

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1	Dr. S. Hemalatha, Ms. S. Ranjani	DST SATYAM	An Evaluation of selected YOGA MODULE In Lung Inflammation due to Acute Lower Respiratory Tract Infection (ALRI) - A randomized controlled Pilot study	15.24 lakh	-	-	-	Ongoing
2	Dr. S. Hemalatha, Dr. MubarakAli. D,	COVID-19 (SPRAC) AUN/SEED-Net Japan International Cooperation	Smart Textile with Antimicrobial and Water Repellent Properties for Corona virus Protection	36.87 Lakh	-	-	-	Ongoing

		Agency (JICA) with project partners from Thailand, Japan and Malaysia						
3	Dr. Karthikeyan Ramalingam	Indian Council of Medical Research	Nano-ointment (Nanoemulsion/ Nanoparticles) for the Treatment of Hospital Infection caused by Multi Drug Resistant Klebsiella Pneumoniae Pathogens	14.85 Lakh	-	-	-	Ongoing
4	Dr. Karthikeyan Ramalingam Ms. Sneha U	DST WOSB	Probiotic Microbe Based Bioreactor for the Efficacious Detoxification of Textile Dye Effluentspneumoniae Pathogens	25 Lakh	-	-	-	Ongoing
5	Dr. S. Hemalatha, Ms. S. Ranjani	DST WOSB	Formulating Antibiotic Resistance Breakers to control Multidrug Resistant Pathogenic Bacteria(2019-2022)	30.34 Lakh	-	-	-	Ongoing
6	Dr. Sheeza Khan	DST WOSA	Role of naturally occurring Small Molecules in	3.37 Lakh	-	-	-	Ongoing

			Transthyretin-Induced Familial Amyloid Cardiomyopathy					
7	Dr. S. Hemalatha	DBT-BIRAC-BioNEST	Crescent Biotech Incubator- BioNEST (2019-2022)	Rs 1,80,00,000	-	-	-	Ongoing

❖ **Details of Major Equipment Purchased (Financial year 2020-21)**

Sl. No.	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Lab water systems	Cascada III.15L/hr, Newyork	22.12.2020	Rs. 5,43,834	Yes	-
2	Biological safety cabinet	Class II, Type B2, India	05.03.2021	Rs. 1,32,300	Yes	-

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Mr.Ubaid. R, Dr. Mubarakali, D and Dr.S. Hemalatha	Copper nanoparticles: easily accessible nano-weapons against the escalating antibiotic resistance, Nano-Strategies for	-	-	IGI global	-

		Combatting Antimicrobial Resistance and Cancer				
2.	Ms.Prathibha S, Mr.Surehshkumar A, Ms. Tamilselvi A, Mr. Pandurangan AK.	Current update on Natural Agents against Triple Negative Breast Cancer, Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer	-	-	-	-
3.	Mr.Adil M, Mr.aithy AK, Mr.Pandurangan AK, Mr.Waseem M, AMr.hmed N.	Protagonist of Immuno-profiling Immuno-scoring and Immunotherapy towards Colitis associated Cancer: Systematic Review, Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer	-	-	-	-
4.	Syed Nasar Rahaman, Prathiba Sivaprakasam, Pandurangan AK, Suresh Kumar A.	Natural Agents Therapy for Ulcerative Colitis – Elucidating the	-	-	-	-

		Mechanism of Action. Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer				
5.	Mr.Mohammed Jamalkhan, Mr. Sekar Kumaran, Mr. Pandurangan AK.	Fermented Foods and its Health Benefits. Microbes-Fermented Foods and Human Health.	-	-	-	-
6.	Mr.Karthik Meyyappan Mr. Meenakshisundaram, Mr.Pandurangan AK, Mr.Sekar Kumaran	Urinary Tract Infection caused by Pathogens treated using Fermented products. Microbes-Fermented Foods and Human Health.	-	-	-	-
7.	Mr.Pandurangan AK	Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer.	-	-	-	-
8.	Mr.Bera S, Mr.Verma A, Mr.Bhatt A, Mr.Dwarakanath BS.	Metabolic Oxidative Stress in Cancer: Implications for Cancer Therapy	-	-	Handbook of Oxidative Stress in Cancer: Mechanistic Aspects	-
9.	Mr.Ashok Kumar Kumar Pandurangan, Mr.Suresh	The Multifaceted Role of Natural Agents in	-	-	IGI Global	-

	Kumar Mr.Anandasadagopan, Mr.Neesar Ahmed	Colitis-Associated Cancer Prevention and Therapy				
10.	Dr. Karthikeyan Ramalingam	Handbook of Research on Nanoemulsion Applications in Agriculture, Food, Health, and Biomedical Sciences	-	-	IGI Global	-
11.	Mr.Mohamed Akif S. Mr.Jahangir Ahmed and Dr.Karthikeyan Ramalingam	The Essential Properties of Nanoemulsions: Basics of Nanoemulsion	-	-	IGI Global	-
12.	Ms.Sowbarnika Arul Senthil, Ms.Sneha Unnikrishnan and Dr.Karthikeyan Ramalingam	Composition and Efficacy of Essential Oil Nanoemulsions	-	-	IGI Global	-
13.	Dr.MubarakAli D., Ms.Ankita L., Ms.Vaishali S., Ms.Pragati P., Mr.Rajesh D., Ms.Sarita H., Ms.Abhilasha D.,	Objective Pattern for State Eligibility Test (SET) in Life Sciences, Objective Pattern for State Eligibility Test (SET) in Life Sciences	-	-	-	-
14.	Dr. Ashok Kumar Pandurangan	Molecular Drug Targets for Cancer Therapy	-	-	Melbourne Scientific Publishers	-

15.	Mr.Mohammed Shuhail N and Mr.Pandurangan AK	Exploring the Signaling Pathways that Regulate Prostate Cancer	-	-	Melbourne Scientific Publishers	-
16.	Mr.A. Bharath kumar, Mr.Umashankar Marakanam Srinivasan and Mr.Pandurangan AK	Hypoxia and Cancer Metabolism	-	-	Melbourne Scientific Publishers	-
17.	Ms.Veena Priyadharini and Mr.Pandurangan AK	The Pathological and Molecular Alterations in Lung Cancer	-	-	Melbourne Scientific Publishers	-
18.	Mr.Gokul S and Mr.Pandurangan AK.	The role of Galectin-3 in Breast Cancer and its association with Metastasis	-	-	Melbourne Scientific Publishers	-
19.	Ms.Haripriya Kumaravel and Mr.Pandurangan AK	Inflammatory Breast Cancer: Molecular Mechanism and Future Medical Insights	-	-	Melbourne Scientific Publishers	-

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	Novel AKT Inhibitor to Control	-	Published	-	-

	Lung Cancer				
2	Novel PI3K & AKT Inhibitor that can control different types of cancer	-	Published	-	-
3	Online system for E- farming	-	Published	-	-
4	Method for Synthesis of Bimetallic Povidone Iodine Micro Flower Composite	Filed	-	-	-
5	Synergistic Gas Nanoemulsion Compositions and Methods of Synthesis	Filed	-	-	-
6	A process for Detoxification of Textile Dye Effluent	Filed	-	-	-

❖ International Visits by Faculty / Students

Sl. No.	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Dr. Mohammad Ashfaq	Polymer microneedle Lab, Beijing Laboratory of Biomedical materials, College of Materials science and engineering, Beijing University of Chemical technology, Beijing, China	China	Research	2019	Paper publications

❖ Achievements of Staff

Sl. No.	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr. S. Hemalatha	IBRO grant award	International Brain Research Organization (IBRO), France.	June 2021
2.	Dr. S. Hemalatha	National level Best Teacher Award	Microbiologist's Society	For the year 2020-21
3.	Dr. Ashok Kumar Pandurangan	top 2% scientists in the field of Oncology and toxicology in 2021	Stanford University, USA.	For the year 2021
4.	Dr. Mubarak Ali.D	top 2% scientists in the field of Biotechnology, Chemical Physics and Enabling Strategic technology	Stanford University, USA.	For the year 2021
5.	Dr. Ashok Kumar Pandurangan	top 2% scientist in the field of Oncology, Toxicology and Clinical Medicine in 2020	Stanford University, USA.	For the year 2020
6.	Dr. Mubarak Ali.D	MSI Young Scientist Award	Microbiologist's Society	For the year 2020

❖ Achievements of Students

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Mr. Aditya.S B.Tech 2017-2021	170151601008	GATE	GATE qualified	2020

2	Ms.Sumaiya Sirajudeen	180542601013	GATE, ICMR	qualified	2020
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❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Deepam Hospitals	Offered CCRP Course for PG students	2020-2021	60 students obtained their certificates		Certificate based Clinical research course

❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1	Microbiologists Society, India	Virtual Antimicrobial Symposium to observe World Antimicrobial Awareness week	299	626	387	Dr. Mukhlesur Rahman Faculty in Pharmaceutical Science School of Health, Sports and Bioscience University of East London	Students, Scholars, Faculty shared presented their research findings	Published selected papers in SCOPUS and WOS indexed journals

						Water Lane United Kingdom		
2	ACER	2nd Virtual Annual International Conference on Naturopathy, Nanotechnology, Nutraceuticals and Immunotherapy in Cancer Research - 2021	66	436	5	<p>Speaker: Dr. Ignacio G. Camarillo, Department of Biological Sciences, Purdue University, USA</p> <p>Speaker: Dr. Elisebatta Seini, Department of Theoretical and Applied Science, University of Insubria, Varese, Italy</p> <p>Speaker: Dr. A. Suresh Kumar, Senior Scientist, Department of Biochemistry and Biotechnology, CSIR-CLRI, Adyar, Chennai, India</p> <p>Speaker: Dr. Allen Garner, Associate Professor, School of Nuclear Engineering, School of Electrical and</p>	Students, Scholars, Faculty shared presented their research findings	Published selected papers in SCOPUS and WOS indexed journals

						Computer Engineering, Department of Agricultural and Biological Engineering, Purdue University, USA Speaker: Dr. Kavitha		
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❖ **MoUs Signed**

Sl. No.	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	University of Nottingham, UK	-	2	12	2020	Research collaboration	Active
2	Deepam Hospitals, Chennai	-	22	1	2021	CCRP course, Research collaboration	Active
3	Reishi Labs, Malaysia	-	17	11	2020	Research collaboration	Active

❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	National Pollution Control Day	27	186	10	Students, scholars, Faculty, Research	2 days	Awareness on pollution control

					scientists and other participants		
2.	Emergency response Training Program	108	253	17	Students, scholars, Faculty, Research scientists and other participants	3 hrs/ 1 day	Awareness on emergency related information's
3.	Golden Hour Awareness Program	30	518	6	Students, scholars, Faculty, Research scientists and other participants	1 day	Awareness on Importance of golden hour, and dos and donts while responding to an emergency
4.	Webinar on "Cancer, Causes and Prevention"	9	90	73	Students, scholars, Faculty, Research scientists and other participants	1 day	Awareness on Cancer, Causes and Prevention, Scientific discussion, Brain storming session
5.	World Encephalitis Day -2021 Quiz	44	385	45	Students, scholars, Faculty, Research scientists and	1 day	Awareness on Encephalitis

					other participants		
6.	Virtual Antimicrobial Symposium to observe World Antimicrobial Awareness week	53	499	17	Students, scholars, Faculty, Research scientists and other participants	1 day	Brain storming session with scientist, Paper publications, Scientific talks

❖ Important Visitors

Sl. No.	Name of the visitor	Affiliation Details	Purpose of visit	Outcome
1.	Dr. H. Gopi	Professor, Department of Veterinary Medicine, Kebri Dehar University, Ethiopia	Invited talk	Awareness on Pollution Control
2.	Dr. S Ramesh Prabhu	Accenture Services Pvt. Ltd., Chennai, India	Invited talk	Awareness on Pollution Control
3.	Er. D. Sivakumar	General Manager, RANITEC CETP	Invited talk	Awareness on Pollution Control
4.	Er. D. Vasudevan	District Environmental Engineer, Tamilnadu Pollution Control Board, Maraimalainagar Division, Kancheepuram District, India	Invited talk	Awareness on Pollution Control

5.	Dr. Srinivasan	Member Secretary, TNSCST	Chief Guest	Scientific talk, Awareness on Biotechnology
6.	Mr. Abhaya Kumar	Chairman, LIFE CELL, International Pvt.Limited	Chief Guest	Created awareness on current scenario in Life science industries
7.	Dr Mohd. Mushahid Khan	University of Tennessee Health Science Center, Tennessee, USA	Invited talk	Scientific talk, Research collaborations
8.	Dr Syed Shadab Raza Era's	Lucknow Medical College, India	Invited talk	Scientific talk, Research collaborations
9.	Dr. Sathyarajeswaran	Siddha Central Research Institute, Central Council for Research in Siddha Ministry of AYUSH, Govt. of India	Invited talk	Scientific talk, Research collaborations
10.	Mr. Krish Dhandapani	Augusta University, Georgia, USA	Invited talk	Scientific talk, Research collaborations
11.	Dr. Kumar Vaibhav	Augusta University, Georgia, USA	Invited talk	Scientific talk, Research collaborations
12.	Prof. Vijayapandi Pandey	Chalapathi Institute of Pharmaceutical sciences, India	Invited talk	Scientific talk, Research collaborations
13.	Dr. Phan Chia Wei	University Malaya, Kuala Lumpur Malaysia	Invited talk	Scientific talk, Research collaborations
14.	Prof. Raji Sundarrajan	Purdue University, Lafayette, Indiana, USA	Invited talk	Scientific talk, Research collaborations
15.	Prof. Shripad Deshpande	Apollo Institute of Medical Sciences, Andhra Pradesh	Invited talk	Scientific talk, Research collaborations

16.	Dr. Parameshwara M N, BNYS, MD.,	Government Nature cure and Yoga medical college and hospital, Mysore	Invited talk	International Symposium on Yoga and Alternative medicine
17.	Dr. Nitesh M K, B.N.Y.S , MD,	Alva's College of Naturopathy & Yogic Sciences, Dakshinna Kannada	Invited talk	International Symposium on Yoga and Alternative medicine
18.	Dr. A. Lavanya M.D (S),	Siddha Central Research Institute, Chennai	Invited talk	International Symposium on Yoga and Alternative medicine
19.	Dr. Ignacio G. Camarillo,	Department of Biological Sciences, Purdue University, USA	Invited talk	Scientific talk, Research collaborations
20.	Dr. Elisebatta Seini,	Department of Theoretical and Applied Science, University of Insubria, Varese, Italy	Invited talk	Scientific talk, Research collaborations
21.	Dr. A. Suresh Kumar,	Senior Scientist, Department of Biochemistry and Biotechnology, CSIR-CLRI, Adyar, Chennai, India	Invited talk	Scientific talk, Research collaborations
22.	Dr. Allen Garner,	Associate Professor, School of Nuclear Engineering, School of Electrical and Computer Engineering, Department of Agricultural and	Invited talk	Scientific talk, Research collaborations

		Biological Engineering, Purdue University, USA		
23.	Dr. Kavitha Sankaranarayanan,	Head, Ion Channel Biology Laboratory and AYUSH Research Centre, AU-KBC Research Centre, MIT Campus of Anna University, Chennai, India about Cancer therapy: Cures from Nature	Invited talk	Scientific talk, Research collaborations
24.	Dr. Rodrigo Nova	University of Glasgow, Scotland	Invited talk	Scientific talk, Research collaborations
25.	Dr. Usha Ravi,	Assessor and Trainer. Quality Council of India	Invited talk	Scientific talk, Research collaborations
26.	Ms. Ramya	Hi Rise Food Tech lab, Chennai	Invited talk	Scientific talk, Research collaborations
27.	Mr. Prabhudoss B	Chief executive officer, Five star EMRC, Chennai	Invited talk	180 Minutes Emergency Response Training Program
28.	Mr. Prabhudoss B	Chief Executive Officer Five Star EMRC Chennai, India	Invited talk	Golden Hour Awareness Program
29.	Dr. Asrar Alam	Dr. Asrar Alam, Dr. B.R Ambedkar Institute of Rotary Cancer Hospital, AIIMS, Delhi	Invited talk	Awareness on Cancer, Causes and Prevention, Scientific talk, Research collaborations
30.	Dr. Mukhlesur Rahman	Faculty in Pharmaceutical Science	Invited talk	Scientific talk, Research collaborations

		School of Health, Sports and Bioscience University of East London Water Lane United Kingdom		
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CRESCENT SCHOOL OF ARCHITECTURE

❖ Value Added Programmes Started

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Role of Art and Crafts in Interior Design	15.06.2020 - 04.07.2020	30	NIL	12	-	-
2	Creative thinking	15.06.2020 - 04.07.2020	12	NIL	15	-	-
3	Archistructure	15.06.2020 - 04.07.2020	10	NIL	9	-	-
4	Architectural narrative and story board	15.06.2020 - 04.07.2020	5	NIL	8	-	-
5	Creative Art workshop	15.06.2020 - 04.07.2020	12	NIL	10	-	-
6	Paper craft	15.06.2020 - 04.07.2020	12	NIL	15	-	-
7	Revit Architecture	15.06.2020 - 04.07.2020	12	NIL	19	-	-
8	Pom Pom workshop	15.06.2020 - 04.07.2020	3	NIL	25	-	-
9	Yoga for everyone	15.06.2020 - 04.07.2020	10	NIL	25	-	-
10	Model Making	15.06.2020 - 04.07.2020	4	NIL	15	-	-
11	Kitchenware	15.06.2020 - 04.07.2020	8	NIL	15	-	-

12	Architecture and Communication	15.06.2020 - 04.07.2020	10	NIL	18	-	-
13	Thesis Topics	15.06.2020 - 04.07.2020	4	NIL	35	-	-
14	Rate Analysis of Interior Items	15.06.2020 - 04.07.2020	12	NIL	15	-	-
15	Kitchen Redesign	15.06.2020 - 04.07.2020	10	NIL	15	-	-
16	Journal Writing	15.06.2020 - 04.07.2020	6	NIL	15	-	-
17	Sketchup Workshop	15.06.2020 - 04.07.2020	15	NIL	16	-	-
18	Design Codes	15.06.2020 - 04.07.2020	3	NIL	17	-	-
19	Cultural Heritage	15.06.2020 - 04.07.2020	6	NIL	21	-	-

❖ **Training Programmes Offered**

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	3D Software Training	January – July, 2021	35 HRS	DI STUDIO	45	15	-

❖ **Details of Field visits organized by the department**

Sl. No	Participant Details				Name of accompanied faculty	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
01.	B.DES (Interior Architecture)	II	-	40	Ar Venkatesan Ar Maithreyi	Case study visit	1 day	Students were able to understand and experience the details in interior Architecture	-

❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
01	Skill development - I	Value Added Course	September, 2020- 2021	External	Ms Steffi	-	-	-	-
02	Skill Development- II	Value Added Course	February- June, 2021	External	Ms Steffi	-	-	-	-
03	Seminar	Seminar	January, 2021	-	Ar Palaniappan	-	-	-	-

04	Seminar	Seminar	January, 2021	-	Ar Vivekandan	-	-	-	-
05	3D Software workshop	Workshop	January – June, 2021	DI studio	Ar Uttam Solanki Ar Kalaivanan	-	-	-	-

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
01.	Ar Hemaprithikka	ARCHCULT- Architecture Animation Workshop	QIP	26.09.2020 - 27.09.2020	NIT, TRICHY	-
02.	Ar Sangeetha	Research Talk 2.0	QIP	05.06.2020	SRM, Kattangalathur	-

❖ **Details of Special Research Laboratories Created**

Sl. No.	Name of the Lab	Details of Infrastructure		Value of Equipment procured in the Financial Year 2019-20 (Rs.)
		Land	Construction Space	
01.	VR & AR Laboratory	-	55 sq m	Rs.1,19,236
02.	Fabrication Laboratory (Art Studio)	-	71 sq m	Rs 3,83,000

❖ **Details of Major Equipment Purchased (Financial year 2019-20)**

Sl. No.	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	CO2 Laser Cutting Machine	India	16.07.2020	3,77,600/-	Yes	
2	Desktop	India	24.12.2020	1,51,370/-	Yes	

❖ **Patents (Obtained / Applied)**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
01.	DESIGN PATENT	11	04	07	NIL

❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
01.	Ms.Keerthana Priya Mr. Raghunandan	170101601014 170101601028	E-Poster Award	International Conference on Basic and	July, 2020

				Translational Cancer Research: Novel Ideas & Approaches	
02.	Ms.Pooja Prasad Mr.Rameez Althaf Mr.Naveen Kumar	150101601024 150101601027 150101601021	Best Studio Project- Regional Award	TRANSPARENCE 2020	September, 2020

❖ **Developmental Activities**

SI. No.	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
01.	3D Installation Workshop	15 days	25 students	To understand the process of digital fabrication	The students were able to get hands-on training on conceptualizing, ideating and fabrication of the Pavillion.

❖ **Industry / Institute Collaboration**

Sl. No.	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
01.	Digital Intuition X	3D Installation workshop	October, 2020	Completed		The students were able to get hands-on training on conceptualizing, ideating and fabrication of the Pavillion.

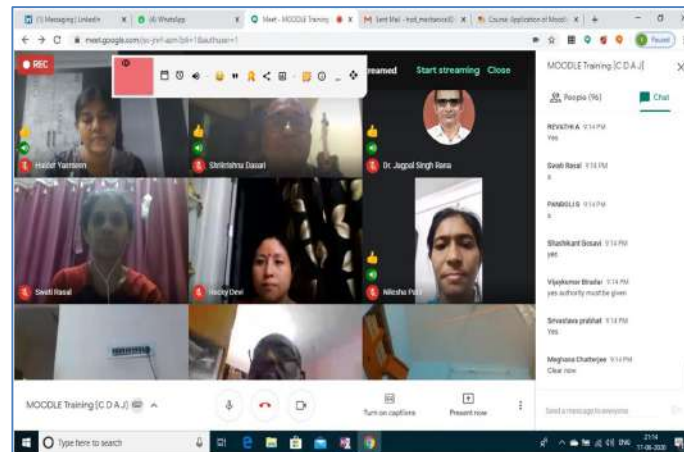
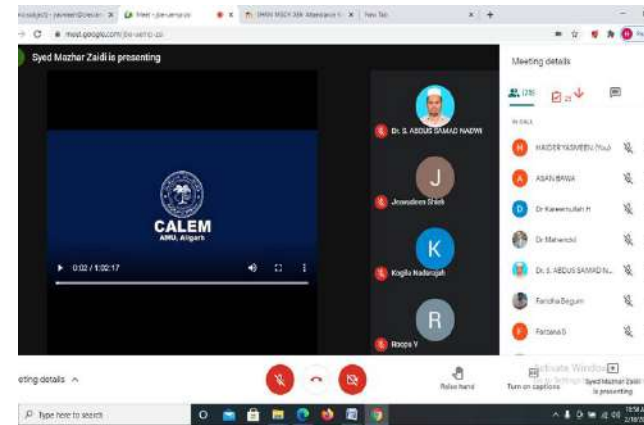
❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
01.	3D Software Training Workshop	30	-	-	Faculty	1 month	The faculty were able to get trained in latest 3D softwares

DEPARTMENT OF MANAGEMENT STUDIES

❖ Training Programmes Offered

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Soft Skills Training	08.03.2021 - 12.03.2021	5 days	-	136	-	-
2.	Academic Leadership Training - Gender Equality	16.02.2021 - 22.02.2021	7 days	-	-	60	-
3.	STTP on Data driven techniques for business analytics using R Programming, Python and Tableau	19.10.2020 - 24.10.2020	6 days	-	-	45	-
4.	STTP on Data driven techniques for business analytics using R Programming, Python and Tableau	14.09.2020 - 19.09.2020	6 days	-	-	42	-
5.	Application of Moodle LMS	11.07.2020 - 25.07.2020	15 days	-	-	150	-



❖ **Conferences / FDP / Seminars / Workshops Organized**

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	My Story – A Motivational Session by Successful Innovator	Seminar	24.12.2020	-	Mr.Guru Vignesh, Co-founder, Impensus Electronics Pvt Limited	-	69	-	-
2.	My Career, Work and Life Experience	Seminar	11.11.2020	-	Ms. Supraja Krishnan, 2013-17 batch, Marketing Analyst at Zoho Corporation	-	47	-	-
3.	Leadership Trends Post Covid	Seminar	29.07.2020	-	Dr.M.Ramani - Retd. Public Health Department, Govt. of Tamilnadu, Dr.Nithya Ramachandran, Faculty - Business Administration, Sultanate of Oman.	-	21	-	-
4.	Application of Moodle LMS	FDP	11.07.2020 - 25.07.2020	Dr. D.Y. Patil College of Engineering	Dr. Haider Yasmeen/Prof /Mgmt Studies/ Moderator	24	-	126	-

					and Organizer Prof. Dr. Vinay/HoD Mech/DY Patil College of Engineering, Pune/Key note Speaker &Trainer				
5.	Paradigm shift in consumer behaviour: Reorientation of Marketing and Supply Chain Management Strategies	Virtual Summit	07.07.2020 - 09.07.2020	University of Madras and Stella Marris College	Mr. S. Rajkumar, Senior AGM, Sundaram Learning, Mr. Krishnan Venkat Ramesh, Business Development Consultant, Former GM (Institutional Business) – Pepsi, Regional Commercial Manager – Unilever, Mr. Samuel Harris, Founder – Director – TIEKE, Mr. M. Parvez Alam, CEO – CIIC, BSACIST, Mr. Abhishek Mishra, Co- Founder , Aindra Labs, Mr. Kasi Saravanan Chettiar, Co-Founder, OMG Labs	-	-	-	-

The screenshot displays a YouTube live stream interface. The main video area shows a slide titled "COVID-19 accelerates the trends transforming our world" with the acronym "ADAPT" in large, colorful letters. Below the acronym, there are five columns, each with a heading and a list of bullet points. The columns are: ADAP (Accelerated), ADAP (Adaptation), ADAP (Adaptation), ADAP (Adaptation), and ADAP (Adaptation). The video has 1,431 views and was streamed live on Jul 7, 2020. The channel is "Webinar" with 122 subscribers. The chat on the right contains various messages from viewers, including "good morning sir", "Happy morning to all", "Good morning sir", "Very good morning Samuel Sir", "good morning sir", "good morning sir", "thanks, sir", "Thank you sir feedback form link", "feedback link pls", "Good morning sir, Dr. R. SATHRU SANGARA VELSAMY", "pls share feedback link .i have another session to attend", "The session is from 10 am-1 pm. The feedback link will be posted at the end of the entire session.", and "feedback?". The Windows taskbar at the bottom shows the date as 31-07-2020 and the time as 19:18.

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From – To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Dr. Haider Yasmeen	Data Driven Techniques for Business Analytics using R, Python and Tableau-Phase II	AICTE sponsored STTP	19.10.2020 – 24.10.2020	DoMS-BSACIST	-
2	Dr. Haider Yasmeen	Android APP Using Kotlin	MHRD funded FDP - National Mission on Education through ICT-MHRD, Govt of India	1.07.2020 - 17.08.2020	IIT Bombay-BSACIST	-
3	Dr.S.Panboli	How to transform from traditional teaching mode to effective online teaching with available e-resources: Preparedness	FDP	07.07.2020	BSACIST	-
4	Dr.S.Panboli	Effective and efficient online teaching and content development	FDP	08.07.2020 - 09.07.2020	IICMR & IIDE	-

5	Dr.N.Anuradha	Application of Moodle LMS	FDP	11.07.2020 - 25.07.2020	BSACIST & D Y Patil Engineering College	-
6	Dr.J.Hemalatha	Application of Moodle LMS	FDP	11.07.2020 - 25.07.2020	BSACIST & D Y Patil Engineering College	-
7	Dr.J.Hemalatha	Data Driven Techniques for Business Analytics using R, Python and Tableau-Phase II	AICTE sponsored STTP	14.09.2020 – 19.09.2020	DoMs-BSACIST	-
8	Dr. T. Rocky Devi	Data Driven Techniques for Business Analytics using R, Python and Tableau-Phase II	AICTE sponsored STTP	19.10.2020 – 24.10.2020	DoMs-BSACIST	-
9	Dr. T. Rocky Devi	Psychometric Assessments & Applications	Workshop	11.07.2020	MMA	-
10	Dr. T. Rocky Devi	Certificate course for the "Master Diploma in Training & Development"	Training	15.09.2020 – 27.12.2020	Indian Academy of Training & Development	-
11	Dr. D. Asokk	Industry Academia Collaborative Lead	Workshop	09.02.2021 - 11.02.2021	BOSCH, Bangalore	-
12	Dr. H. Moideen Batcha	Application of Moodle LMS	FDP	11.07.2020 - 25.07.2020	BSACIST & D Y Patil Engineering College	-

❖ **Papers Published/ Presented in Journals & Conferences (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	5	-	-	2	11	3	21

❖ **Details Of Publication In National & International Journals & Conferences:**

International Journal & National Journal

SCI/Scopus Indexed Journal

1. Azamussan Syed, Munuswamy Shanmugam, "The impact of corporate social responsibility on word-of-mouth through the effects of customer trust and customer commitment in a serial multiple mediator model", *International Journal of Business Innovation and Research*. vol. 24, no.1, pp. 1-24, 2021. (SJR – 0.298)
2. Azamussan Syed, Munuswamy Shanmugam, "An empirical examination of the effects of demographic groups on socially responsible consumption behaviour", *Social Responsibility Journal*, 2021. (SJR – 0.528)
3. Tisha Meriam Cherian, Munuswamy Shanmugam, K. Mohamed Jasim, "Strategic sourcing: An empirical study among Indian construction retailers", *International Journal of Construction Supply Chain Management*, vol. 11, no.1, pp. 34-48, 2021. (SJR – 0.118)
4. Haider Yasmeen and Amitha Babu., "Implications of Mandatory Corporate Social Responsibility on Rural Development in India", *International Journal of Management Practice*. vol. 14, no.6, pp. 716-735, 2021. (SJR – 0.182)
5. D.Asokk, Allampradhu Gudda, Parulkumari Bhati, Vanishree.C.T., "Employee Training and Development as Dominant Tool for Achieving in an organization", *Psychology and Education*, vol. 8, no. 1, pp. 1200-1212, 2021(SJR – 0.112)

6. D.Asokk, Allampradhu Gudda, Parulkumari Bhati, Vanishree.C.T., "The effect of Remuneration on the Accomplishment of Employee on the Private Sector", *Psychology and Education*, vol. 8, no. 1, pp. 1185-1199, 2021 (SJR – 0.112)
7. D.Asokk, Allampradhu Gudda, Parulkumari Bhati, Vanishree.C.T., "Employee Association and its effect on Organizational Effectuation", *Psychology and Education*, vol. 8, no. 1, pp. 1171-1184, 2021 (SJR – 0.112)
8. Takhellambam Rocky Devi, J.Hemalatha, H.Moideen Batcha, Prasanna S, "Employees' Differential Perception of Work from Home(WFH) During and Post Covid-19", *Turkish online Journal of Qualitative Inquiry*, vol. 12, no. 8, pp. 3751-3757, 2021
9. Anjel Raj, J., Hemalatha, J., Shanmugam Munuswamy, "A Bibliometric Study on Effect of Social Media Marketing on Customer Engagement", *Turkish Online Journal of Qualitative Inquiry*, vol. 12, no. 8, pp. 2960-2971, 2021
10. Azamussan Syed, Munuswamy Shanmugam, "Nomological validation of Villa Castaño's socially responsible consumption scale", *International Review on Public and Nonprofit Marketing*. vol. 17, no. 4, pp. 509-526, 2021. (SJR - 0.495)
11. J. Hemalatha, L. Aravindh Kumaran, Shanmugam Munuswamy, "Retail Store Attributes, Shopping Motives and Cross Shopping Behaviour: Traditional Stores vs. Supermarkets", *International Journal of Advanced Science and Technology*, vol. 29, no. 3, pp. 13854-13866, 2020 (SJR – 0.108)

Other journals

1. D.Asokk, Allampradhu Gudda, Parulkumari Bhati, Vanishree.C.T., "The Impact of Employee Involvement in Decision Making on an Organizational Performance", *European Journal of Molecular & Clinical Medicine*, vol. 8, no. 1, pp.117–125, 2021.
2. D.Asokk, S.Srimathi, S.Nageshwari, "A study on changes in mental behaviour post covid19", *Amity Global Business Review*, vol. 15, no. 2, pp. 169-172, 2021.
3. E.T Evangelne and H.Modeen Batcha, "Measuring the level of motivation, organization culture and employee engagement in the Indian IT sector", *NIU International Journal of Human Rights*, vol. 8, no. 13, pp. 92-95, 2021

4. E.T Evangelne and H.Modeen Batcha, "Effects of Organization Culture and Motivation on Employee Engagement using Multiple Regression Analysis", *Gedrag & Organisatie Review*, vol. 33, no. 3, pp. 1499-1513, 2020
5. MM, S. and Jasim, K.M., "Ascertaining Service Quality and Medical Practitioners' sensitivity towards Surgical Instruments using SERVQUAL", *Benchmarking: An International Journal*, vol. 28 No. 1, pp. 370-405, 2020

**International Conference & National Conference:
 Conference with ISBN Proceedings**

1. M.Madhy Vadany and S.Panboli, "An Empirical Study on Engagement Levels of Employees in Financial Sector During Pandemic" *International Conference on "Post Covid Management Strategies: Recovery, Resilience & Adaptation"*, Indian Institute of Management, Bodh Gaya, India, Apr. 2021.
2. T. Rocky Devi, J. Hemalatha, Shanmugam Munuswamy and Nageshwari, "Employees' differential perception of Work From Home (WFH) during and post COVID-19" *International Management Conference on "Re-Inventing the Future of Work and Business: Challenges, Opportunities and the Path Ahead"*, Kalinga Institute of Industrial Technology, India, Feb. 2021
3. J. Anjel Raj and J. Hemalatha, "Social Media Marketing and Consumer Engagement: Research Evidence" *International Management Conference on "Re-Inventing the Future of Work and Business: Challenges, Opportunities and the Path Ahead"*, Kalinga Institute of Industrial Technology, India, Feb. 2021
4. Shibani Hawladar and J. Hemalatha, "Adaptation of Generation X (GEN X) Employees in Today's E-HRM Practices" *International Management Conference on "Re-Inventing the Future of Work and Business: Challenges, Opportunities and the Path Ahead"*, Kalinga Institute of Industrial Technology, India, Feb. 2021
5. J. Hemalatha and Mohammed K. Jasim, "Sustainability through Brand Positioning of Homeopathic Medicines in Indian Mileu" *International Conference on Sustainability and Equity "Digital Society" - Participation Certificate*, Kalinga Institute of Industrial Technology, India, Nov. 2020.

❖ **Details of Impact Factor of the publication and H-Index**

- A) Range - 0.108 – 0.528
- B) Average - 0.229
- C) H-Index - 6
- D) No. In Scopus - 11

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1.	Dr. Mohammed K Jasim and Dr. J. Hemalatha	AICTE	Copper Smelters and its Impact on the health of Downstream People, the Economic Livelihood of its Employees, and Waste Management System. The Case of Sterlite Copper in Tuticorin, Tamil Nadu	Rs.2,84,000	Rs.2,84,000	Rs. 75,000	Rs. 2,09,000	Ongoing

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Mr. Amir Ahmad Dar and Dr.N. Anuradha	Chapter - Comparison of European Option Pricing Models at Multiple Periods In Handbook of Research on Engineering, Business, and Healthcare Applications of Data Science and Analytics (Eds.)	-	\$37.50	IGI Global	Available
2.	Dr.Haider Yasmeen & Ar Raina Haider	Chapter- "Role of Education in Employability and Employment" in "Empowerment of Perspective Teachers for Employability" (Eds.)	Rs.280/-	-	Shanlax Publications, Madurai	Available
3.	Dr.D.Asokk, Dr.S.Srimathi, Ms.Nageshwari	HR Beginning Management	-	-	Kripa - Drishti Publications, Pune, Maharashtra, India - 411021.	Available
4.	Dr.D.Asokk, Dr.S.Srimathi, Ms.Nageshwari	Human Resource Accounting	-	-	Kripa - Drishti Publications, Pune, Maharashtra, India - 411021.	Available
5.	Dr. J. Hemalatha	Cross shopping behaviour of retail customers – Research evidence in Business	-	-	Archers and Elevators Publishing House, Bangalore	Available

		Management Practices - Emerging Trends - Volume III (Ed.)				
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❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr.M.Vasist Vignesh	200292601136	Gold Medal in Long Jump	7th Indo Nepal Youth Rural games held at Kathmandu, Nepal	January, 2021
2.	Mr.M.Vasist Vignesh	200292601136	Gold Medal in Long Jump	Youth Rural Sports and Games Federation of India at Anjuna Stadium, Goa	November, 2020

❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Prof. Dr. Haider Yasmeen invited as resource person “Administrative Training Program on Personality Skills Development” Organized by Academy of Maritime Education and Training (AMET), Chennai				Students and faculty members	15.06.2021 – 24.06.2021	Imparted training on “Micro Management and Adaptability Skills”

2.	Prof. Dr. Haider Yasmeen invited as resource person “UGC’s 3rd Online Faculty Induction Program” Organized by Human Resource Development Centre, Jamia Millia Islamia, New Delhi.	-	-	-	Students and faculty members	28.12.2020 – 02.02.2021	Imparted training on “Strategic and Transformational Leadership”
3.	Dr.D.Asokk was the chairperson in the International Summit on Artificial Intelligence organized by MOP Vaishnava College, Chennai	-	-	-	Students and faculty members	20.04.2021	-

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

- **DEPARTMENT OF PHYSICS**
- **DEPARTMENT OF CHEMISTRY**

DEPARTMENT OF PHYSICS

❖ Value Added Programmes Started

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Materials Characterization techniques	17.02.2020 - 28.02.2020	30	NA	24	0	0

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Sensor Materials and its Applications	National Webinar	26.07. 2020	NA	Dr. Somnath Chanda Roy Associate Professor, Department of Physics Indian Institute of Technology Madras (IIT-M), Chennai Prof. Murthy Chavali Director (PG Studies) Shree Velagapudi Ramakrishna Memorial	15	12	150	563

					College (SVRMC) Andhra Pradesh				
2.	The Potential In Thermo Electric Technology: Electrical Power Generation From Waste Heat”	National Webinar	27.07.2020	NA	Dr. Muhammad Shahid Anwar Scientist Materials Chemistry Department (MCD) CSIR-Institute of Minerals and materials Technology Bhubaneswar, Odisha	12	18	10	72

❖ **Papers Published/ Presented In Journals & Conferences (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	-	-	-	-	28	-	28

❖ **Details of Publication In National & International Journals & Conferences:**

Publications in Scopus / WOS

- 1) A Harish Kumar, **M Basheer Ahamed**, Kalim Deshmukh, **Mohamed Sheik Sirajuddeen** “Morphology, dielectric and emi shielding characteristics of graphene nanoplatelets, montmorillonite nanoclay and titanium dioxide nanoparticles reinforced” *Journal of Inorganic and Organometallic Polymers and Materials*, 31, 2003-2016, (May 2021)
- 2) MZ Musa, MH Mamat, N Vasimalai, **IB Shameem Banu**, N Parimon, H Hassan “Humidity Sensing Performance of V: TiO₂ 3D Nanostructure-based Humidity Sensor,” *IOP Conference Series: Earth and Environmental Science* 682 (1), 012073 (2021)

- 3) N Parimon, MH Mamat, **IB Shameem Banu**, N Vasimalai, MK Ahmad, AB Suriani, .”Annealing temperature dependency of structural, optical and electrical characteristics of manganese-doped nickel oxide nanosheet array films for humidity sensing applications”.. *Nanomaterials and Nanotechnology* 11, 1847980420982788 (2021)
- 4) **M. Basheer Ahamed** and P. Murugakoothanb Paavai Era, RO. MU. Jauhar, V. Viswanathan, M. Madhangi, G. Vinitha, “The exploration of the crystal nucleation parameters and physico-chemical analysis of a single crystal: 2-amino-4,6-dimethoxypyrimidinium hydrogen (2R,3R)-tartrate 2-amino-4,6”, *RSC Advances* 11 (26), 5710–15721 (2021)
- 5) P Rani, **M. Basheer Ahamed**, K Deshmukh “Dielectric and electromagnetic interference shielding properties of zeolite 13X and carbon black nanoparticles based PVDF nanocomposites”, *Journal of Applied Polymer Science* 138 (13), 50107 (2021)
- 6) P Rani, **M. Basheer Ahamed**, K Deshmukh “Structural, dielectric and EMI shielding properties of polyvinyl alcohol/chitosan blend nanocomposites integrated with graphite oxide and nickel oxide nanofillers”, *Journal of Materials Science: Materials in Electronics* 32 (1), 764-779 (2021).
- 7) A Chithra, T Fozin Fozin, K Srinivasan, ER Mache Kengne, A Tchagna Kouanou, **I Raja Mohamed**, “Complex Dynamics in a Memristive Diode Bridge-Based MLC Circuit: Coexisting Attractors and Double-Transient Chaos”, *International Journal of Bifurcation and Chaos*, 31, 2150049, (2021).
- 8) S Abhirami, **S Sathik Basha**, “Phase stabilization and effect of trivalent lanthanide substitution on Dy₂FeMnO₆ double perovskite compounds”, *Vacuum* 177, 109412 (2021)
- 9) Abhirami, **S Sathik Basha**, “S.S. Studies on structural, electronic and magnetic properties of La³⁺ ion-substituted Ho₂FeMnO₆ double perovskite compounds”. *J Mater Sci: Mater Electron* 32, 1506–1520 (2021).
- 10) NA Teli, **MMS Sirajuddeen** “Prediction of half-metallicity in strontium oxide doped with hafnium: A GGA+ U perspective” *Materials Today: Proceedings* 45, 689-691, (2021).

- 11) IUN Lone, **MMS Sirajuddeen**, SB Mohamed, S Khalid “A density functional calculations on electronic, magnetic, optical, mechanical and half-metallic properties in molybdenum based pnictogens in GGA and GGA+ U approach” *Materials Chemistry and Physics* 260, 124159 (2021).
- 12) IUN Lone, **MMS Sirajuddeen**, S Khalid, HH Raza “First-Principles Study on Electronic, Magnetic, Optical, Mechanical, and Thermodynamic Properties of Semiconducting Gadolinium Phosphide in GGA, GGA+ U, mBJ, GGA+ SOC and GGA+”, *Journal of Superconductivity and Novel Magnetism*, 1-16,(2021).
- 13) IUN Lone, **MMS Sirajuddeen**, NA Teli, HH Raza, S Khalid, R Hammad “DFT calculations on the ternary MScP, quaternary MSc2P (M= Cu, Zn), and Cu and Zn doped in semiconducting scandium phosphide by GGA and GGA+ U approach”, *Vacuum*, 110328 (2021).
- 14) S Kossar, **R Amiruddin**, A Rasool “Study on thickness-dependence characteristics of bismuth ferrite (BFO) for ultraviolet (UV) photodetector application” *Micro and Nano Systems Letters* 9 (1), 1-10 (2021)
- 15) KD Priyanka Rani, **M. Basheer Ahamed**, “Significantly enhanced electromagnetic interference shielding effectiveness of montmorillonite nanoclay and copper oxide nanoparticles based polyvinylchloride nanocomposites” *Polymer Testing* 91, 106744, (2020).
- 16) SKKP Aqib Muzaffar, **M. Basheer Ahamed**, Kalim Deshmukh “Dielectric properties and electromagnetic interference shielding studies of nickel oxide and tungsten oxide reinforced polyvinylchloride nanocomposites” *Polymer-Plastics Technology and Materials*, 1-12 (2020).
- 17) MH Mamat, N Parimon, AS Ismail, **IB Shameem Banu**, **S Sathik Basha**, RA Rani, “Synthesis, structural and optical properties of mesostructured, X-doped NiO (x= Zn, Sn, Fe) nanoflake network films”, *Materials Research Bulletin* 127, 110860 (2020).
- 18) N Parimon, MH Mamat, **IB Shameem Banu**, N Vasimalai, MK Ahmad, “Fabrication, structural, optical, electrical, and humidity sensing characteristics of hierarchical NiO nanosheet/nanoball-flower-like structure films”, *Journal of Materials Science: Materials in Electronics* 31, 11673-11687 (2020).

- 19) MZ Musa, MH Mamat, N Vasimalai, **IB Shameem Banu**, MF Malek, MK Ahmad, "Fabrication and structural properties of flower-like TiO₂ nanorod array films grown on glass substrate without FTO layer *Materials Letters* 273, 127902 (2020).
- 20) Shahnaz Kossar, **IB Shameem Banu**, Noor Aman, **R Amiruddin**, "Investigation on photocatalytic degradation of crystal violet dye using bismuth ferrite nanoparticles", *Journal of Dispersion Science and Technology*, 1-10 (2020).
- 21) MS Kumar, **GV Vijayaraghavan**, K Rajesh, S Krishnan "Influence of different solvents on the growth, thermal and dielectric properties of Phthalic acid single crystals" *Materials Research Innovations* 24 (7), 422-432 (2020)
- 22) NA Teli, **MMS Sirajuddeen** "The Origin of Half-Metallicity in SrO Doped with Transition Metal Atoms Silver and Gold: a First Principles Calculations" *Journal of Superconductivity and Novel Magnetism* 33, 2795-2800, (2020)
- 23) NA Teli, **MMS Sirajuddeen** "Effect of 3d transition metal atoms in SrO to predict half-metallic ferromagnetism: A first principles study" *Journal of Magnetism and Magnetic Materials* 511, 166829, (2020).
- 24) V Ashwin, **MMS Sirajuddeen**, MB Ahamed, SB Elavarasi "Structural, electronic, magnetic and half-metallic properties of cubic perovskites NaBeO₃ and KBeO₃ using PBE-GGA and TB-mBJ approach: A DFT perspective" *Applied Physics A* 126 (11), 1-11 (2020).
- 25) NA Teli, **MMS Sirajuddeen** "A DFT study of the structural, elastic, electronic and magnetic properties of new quaternary compounds TiHfOsX (Al, Ga, In)" *Physics Letters A* 384 (32), 126793. (2020)
- 26) Asif Rasool, **R Amiruddin**, Shahnaz Kossar, MC Santhosh Kumar, "Realization of In: ZnO/PEDOT: PSS based multifunctional device for ultraviolet (UV) light detection and resistive switching memory applications", *Journal of Applied Physics*, 128, 044503, (2020)
- 27) A Rasool, **R Amiruddin**, **IR Mohamed**, MCS Kumar, "Fabrication and characterization of resistive random access memory (ReRAM) devices using molybdenum trioxide (MoO₃) as switching layer" *Superlattices and Microstructures* 147, 106682, (2020).
- 28) S Kossar, **R Amiruddin**, A Rasool, NV Giridharan, D Dhayanithi, "Ferroelectric polarization induced memristive behavior in bismuth ferrite (BiFeO₃) based memory devices" *Superlattices and Microstructures* 148, 106726, (2020).

Details of Impact Factor of the Publication and H-Index (2009 to present)

- A) Range :
 Least IF - 0.170
 Highest IF - 14.980
- B) Average : 2.538
- C) H-Index : 42
- D) No. In Scopus : 476
- E) Citations : 5610

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1.	Principal Investigator Dr. M. Basheer Ahmed, Professor and HOD, Physics, BSACIST	DST-SERB	Development of Graphene and Metal Nanoparticles Reinforced Flexible Polymer nanocomposites for Effective Electromagnetic Interference (EMI) Shielding Applications	17.03.2018	-	-	-	Completed on 17.09.2021

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Dr. M Basheer Ahamed	Conducting Polymer Electrolytes for Flexible Supercapacitors”	18,847 INR	250.07 USD	John Wiley & Sons	Published online (May 2021)
2.	Dr. M Basheer Ahamed	Nature-Inspired Electrodes for Flexible Supercapacitors	18,847 INR	250.07 USD	John Wiley & Sons	Published online (May 2021)

DEPARTMENT OF CHEMISTRY

❖ Value Added Programmes Started

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Soft skill development	August – December, 2020	2 Hrs. per week	English department of our institute	40	-	-

❖ Training Programmes Offered

Sl. No.	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Virtual internship	1-31 st July, 2021	45	BSACIST	1600	NA	NA

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Analytical spectrometry Expe	Webinar	07.08.2021	BSACIST	Dr. Ben Johns, Director, CTO,	20	80	10	20

	rise – Atomic Optical"				Spectrum America, USA				
2	"Insights of Synthetic and Patent Perspectives in Organic Chemistry"	Webinar	24.08.2021-25.08.2021	BSACIST	Dr. Sivaiah, AP, Dept. of chemistry, SVNIT – Surat Gujarat, Dr. T. Pawan Kumar, senior Scientist, CSIR IMMT, Bhubaneswar, Odisha	15	85	12	24
3	Career Opportunities in Chemistry	Webinar	07.09.2021	BSACIST	Dr. J. Elangovan, AP, Dept. of chemistry, Raja serfoji Govt. college, Thanjavur	10	50	-	110
4	Porous and Nanoscale Materials for Gas Separation to Catalytic Applications	Webinar	24.09.2021-25.09.2021	BSACIST	Prof. Bernd Smarsly, Justus Liebig University, Germany, Prof. Xinbo Wang, Shandong University, China	15	65	-	24

❖ **Details of Publication In National & International Journals & Conferences:**

Paper Published in 2021

Sl. No.	Title	Authors Name	Journal Details	IF
1.	Ultrasound-assisted catalyst free synthesis of 1,4-/ 1,5-disubstituted-1,2,3-triazoles in aqueous medium	Tayyala Kiranmye, Murugan Vadivelu, Sugirdha Sampath, Kesavan Muthu, Kesavan Karthikeyan	Sustainable Chemistry and Pharmacy, 2021, 19, 100358	4.508
2.	Nanomolar detection of L-cysteine and Cu ²⁺ ions based on trehalose capped silver nanoparticles	Muniyandi Maruthupandi and Nagamalai Vasimalai	Microchemical Journal, 2021, 161, 105782	4.821
3.	N-Doped Fluorescent Carbon nanodots derived out of Gum ghatti for the Fluorescence Tracking of Mercury ions Hg ²⁺ in the Aqueous Phase	A Sekar, R Yadav and D Easwaramoorthy	Materials Today: Proceedings, 2021 (In press), DOI: 10.1016/j.matpr.2020.11.676	----
4.	Preparation of portable colorimetry kit and one-step spectrophotometric detection nanmolar level L-Histidine in serum and urine samples using sebacic acid capped silver nanoparticles	S. Gokul Eswaran, M.A. Ashkar, M.H. Mamat, S. Sahila, V. Mahalingam, H.V.S.R.M. Koppiseti, N. Vasimalai	Journal of Science: Advanced Materials and Devices, 2021, 6, 100-107.	5.469
5.	Annealing Temperature Dependency of Structural, Optical, and Electrical Characteristics of Mn doped NiO Nanosheet Array Films for Humidity Sensing Applications	N. Parimon, M. H. Mamat, I. B. Shameem Banu, N. Vasimalai , M. K. Ahmad, A. B. Suriani, A. Mohamed, and M. Rusop	Nanomaterials and Nanotechnology, 2021, 11, 1-13.	3.116

6.	Sunlight Assisted Photocatalytic Sustainable Synthesis of 1,4-Disubstituted 1,2,3-Triazoles and Benzimidazoles Using TiO_2 - $Cu_2(OH)PO_4$ Under Solvent-free Condition	Tayyala Kiranmye, Murugan Vadivelu, Deviga Magadevan, Sugirdha Sampath, Kannabiran Parthasarathy, Noor Aman and Kesavan Karthikeyan	ChemistrySelect 2021, 6, 1210-1215	2.109
7.	Facile synthesis of alkylated phenothiazine-isatin polymers by super acid catalyst: Effect of alkyl chain length on the properties	Bharatraj Kasi, Neelakandan Kaliaperumal, Vajiravel Murugesan	Journal of Molecular Structure, 2021, 1242, 130714	3.196
8.	Pyrenebased Schiff bases: Synthesis, crystalstructure, antibacterial and BSA binding studies	Venkatesan Srinivasan, Themmila Khamrang, Chairman Ponraj, Dhandayutham Saravanan, Rekha Yamini, Soumen Bera, Mariadoss Asha Jhonsi	Journal of Molecular Structure , 1225 (2021) 129153	2.463
9.	Evaluation of anti- rheumatic properties of thymol using carbon dots as nanocarrier on FCA induced arthritic rats	Selvakumar Murugesan, Srinivasan Venkatesan, Dinesh Kumar L, Meenakshi RV, Sasidharan J, Arunkumar Kathiravan, Meenakshi Subbaraman Adyanpuram Muthukumar Nadar, Mariadoss Asha Jhonsi , Sivasudha T and Suresh Kumar	Food & Function 12 (2021) 5038-5050.	5.396
10.	Immersion Solvent Dependent Photophysical and Photovoltaic Properties of Porphyrin/ TiO_2 Interface	Arunkumar Kathiravan and Mariadoss Asha Jhonsi	Chem. Phys. Lett. 781 (2021) 138963.	2.328

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2019-20	Balance available	
1	Dr. M. Asha Jhonsi	SERB - TARE	Light induced process of Hierarchical electron cascade system, Materials and Devices for Solar energy conversion	18.3 Lakhs	2.5 Lakhs	2.5 Lakhs	Rs. 4,689/- (Interest amount)	Ongoing
2	Dr.K.Karthikeyan	TNSCST	Triazole based new functional chromophores for optoelectronic and biological applications,	3.2 Lakhs	1.51 Lakhs	Rs.9000/	1.42 Lakhs	Ongoing

❖ **Professional Society Activities**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1	Alkemia	Guest	20	60		Dr.J.Elango	Motivated in the	-

		lecture					synthesis of organic compounds	
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❖ **Important Visitors**

Sl. No.	Name of the visitor	Affiliation Details	Purpose of visit	Outcome
1	Dr.Umapathy	Associate professor Anna university	DC member	-
2	Dr.J.Elangovan	Assistant Professor Raja Sarafoji Govt.Arts college, Tanjavur	Guest lecture on awareness programme	-
3	Dr.Balaji Rengarajan	Scientist, Centre for Fuel cell technology- Advanced Research Centre ,Chennai	DC member	Summer Internship for our M.Sc students
4	Dr.A..K.Mishra	Professor Department of Chemistry ,IIT Madras	DC member and External examiner for M.Sc chemistry viva voce of their project	-
5	Dr.G..R Raja Rajeswari	Assistant Professor Department of Chemistry ,Anna University	DC member	-

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

- **DEPARTMENT OF ENGLISH**
- **DEPARTMENT OF COMMERCE**

DEPARTMENT OF ENGLISH

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Nuances of Writing & Publishing a Non-fiction Book	Webinar	04.07.2020	BSACIST	Dr.S.Vijayakumar, AP/English, BSACIST	14	40	10	57
2	TOEFL Train The Trainer Program	Training / Workshop	03.08.2020 - 06.08.2020	ETS TOEFL & BSACIST	Ms.Leena, Professional trainer, TOEFL ,IBT	14	-	-	-
3	Research Essentials on English language & Literature	STTP	04.01.2021 - 08.01.2021	BSACIST	1.Dr J John Sekar, Head, Research Department of English, Dean, Academic Policies & Administration, The American College, Madurai 2.Dr. Rosy Chamling, Associate Professor & HOD English, Sikkim University 3.Dr.Sherine Joy, Professor, HOD Languages &	14	-	90	-

					<p>Rankings, Hindustan Institute of Technology &Science, Chennai 4.Dr.P.Rathna, Professor of English, B.S. AbdurRahman Crescent Institute of Science and Technology, Chennai 5.Dr.J.JehosonJiresh, Assistant Professor, English, Christ Academy Institute for Advanced Studies 6.Dr.H.Sofia, Professor & Head, B.S. AbdurRahman Crescent Institute of Science and Technology, Chennai 7.Dr Divya John Assistant Professor Department of English SSN College of Engineering, Chennai 8.Dr.S.Vijayakumar, Assistant Professor, English</p>				
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					B.S. bdurRahman Crescent Institute of Science and Technology, Chennai 9.Dr.ChumkiBiswas, ELT Researcher & Trainer, Mumbai 10.Dr.P.Harshini- Associate Professor, Dr.MGR Educational and Research Institute, Chennai				
4	Cres festo 21	A virtual event for higher secondary school students	26.06.2021.	BSACIST	---	14	40	-	60
5.	Writing for digital media	webinar	28.9.2021	BSACIST	Mr.I Charles Durai, AP/English, Loyola College, Chennai	13	48	5	60
6.	English Studies Now: Single Platform. Diverse Opportunities	webinar	30.9.2021	BSACIST	Dr.Supala Pandiarajan	13	48	11	55
7.	Stardom beyond Boundaries with Digital	webinar	12.10.2021	BSACIST	Mr.T. Seshu Karthick, Director & Chief Operating Officer, CANIT	13	48	15	60

					Solutions Pvt.Ltd				
8.	Translating Language into Career	webinar	7.10.2021	BSACIST	Dr.Kalaivani Karunakaran, Freelance Editor, Translator and Creative writer.	13	48	6	45

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Ms. A. Catherine Anna Pushpam	Nuances of Writing & Publishing a Non-fiction Book	Webinar	04.07.2020	BSACIST	-
		The Writers' Convention	International webinar	04.07.2020	Kamaraj College, Thoothukudi	-
		FDP on Creating a Paradigm Shift: Strategies & Adaptations to Encourage Quality Teaching	FDP	06.07.2020 - 08.07.2020	Saranathan College of Engineering, Tiruchirappalli	-
		Gender, Sexuality and Postcolonial Literature: Trends, Issues and Perspectives	International webinar	23.07.2020 - 25.07.2020	S.R. Fatepuria College, Murshidabad	-

		TOEFL Train The Trainer Program	Training / Workshop	03.08.2020 - 06.08.2020	ETS TOEFL	
		The Strong Gender	International webinar	22.08.2020	Kamaraj College, Thoothukudi	
		International Conference on Research Outlook, Innovations and Research Trends(ICROIIRT-2020)	International Conference	29.08.2020 & 30.08.2020	BSACIST	
		Writing and Publishing High Impact Research Publications and Scientific Documents	AICTE – STTP	21.09.2020 - 26.09.2020	Rajalakshmi Engineering College	
		Emotional Intelligence	AICTE-ATAL FDP	19.10.2020 - 23.10.2020	National Institute of Technology, Hamirpur, Himachal Pradesh	-
		ROAD – Response Effectiveness, Organising Self, Attitudinal Shift, Decision Making	AICTE-ATAL FDP	23.11.2020 - 27.11.2020	Manipal University Jaipur	
		Research essentials on English language & literature	STTP	04.01.2021 - 08.01.2021	BSACIST	
		International conference on “Language, Literature & Cultural Studies in the 21st Century’	Conference	21.05.2021 & 22.05.2021	BSACIST & Anna University	
		Cultural Representation in the 21 st Century Literature	Conference	12.06.2021	The New College, Chennai	
2	Dr.P.Rathna	1.“Nuances of Writing and Publishing a Non-fiction Book”	Webinar	04.07.2020	Department of English, BSACIST	-

		Teaching the TOEFL Test”	Online Training Programme	06.08.2020	Department of English BSACIST	-
		“Twenty first Century Storytelling	Online Training Programme	16.08.2020	Department of English, BSA Crescent	-
		Australian Studies, “Mapping the Multi cultural Mosaic: Understanding Contemporary Australian Literature in India”	Virtual International Conference	11.03.2021& 12.03.2021	Department of English, University of Madras, in association with Indian Association for the Study of Australia	-
		Speaking Examiner support	webinar	10.03.2021.	Cambridge Assessment English, Part of the University of Cambridge	-
3	Dr. Syed Adil	Teaching the TOEFL Test Online	webinar	6.8.2020	Department of English, BSACIST	-
		Writing for Digital Media	webinar	28.9.2021	Department of English, BSACIST	-
		English Studies : Single Platform , Diverse Opportunities	webinar	30.9.2021	Department of English, BSACIST	-
		Nurturing and transforming practices etc	Virtual International conference	09.10.2021- 10.10.2021	Department of Commerce BSACIST &	-

					University of Nigiri - Indonesia	
4	Dr. Md. Sahidul Islam	'Art of Effective Teaching'	FDP	16.08.2021-20.08.2021	SRM Institute of Science and Technology, Chennai	-
		"Language, Literature and Cultural Studies in the 21st Century"	International Conference	21.05.2021-22.05.2021	Department of English, BSACIST	-
		"Research Essentials in English Language and Literature"	STTP	04.01.2021-08.01.2021	Department of English, BSACIST	-
		"English Literature"	National Level Webinar	27.09.2020	PG Department of English, TVUCAS, Kallakurichi	-
		"Theorizing Humanities in the Time of Crisis"	National Level Webinar	21.09.2020-23.09.2020	Department of Humanities & Social Sciences, IIT Ropar,	-
		"Introduction to journalism" and "Representational Politics in Literature and Media"	National Level Webinar	20.09.2020	Department of English, TVUCAS, Kallakurichi	-
		"Teaching and Learning English Through Idioms and Apps"	National Level E-workshop	17.09.2020-18.09.2020	Dept. of English, Faculty of Humanities and Science, Adayalampattu Phase-II campus	-
		"Modernism & Us: a Glimpse at 20th Century British Poetry"	International webinar	15.09.2020	Department of English ,Rajganj	-

Dr. Md. Sahidul Islam				College, Rajganj, Jalpaiguri	
	"Literary Criticism"	National Level Webinar	13.09. 2020	PG Department of English, TVUCAS, Kallakurichi	-
	"Pen in the Time of Pandemics"	International Webinar	08.09.2020-10.09.2020	SMSTM Arts & Science Women's College, Malappuram, Kerala.	-
	"Literary Criticism"	National Level Webinar	06.09.2020	PG Department of English, TVUCAS, Kallakurichi	-
	"Ruminations"	National Level Webinar	05.09.2020	Department of English, Sri C Achutha Menon Govt College, Thrissur, Kerala	-
	TOEFL IBT	National Level E-workshop	30.08.2020		-
	"Women, Gender, Literature: Core Concepts and Perspectives"	One Week International Webinar Series	24.08.2020-30.08.2020	PG Department of English & Research Centre, Sri Parasakthi College for Women, Courtallam, Tamil Nadu,	-
	"Affect Theory and its implications on 21st Century	National Level Webinar	25.08.2020	Department of English and other	-

		Literary Studies”			Foreign Languages, SRM Institute of Science and Technology, Chennai	
	Dr. Md. Sahidul Islam	“Cultural Studies”	National Level Webinar	23.08.2020	Department of English, TVUCAS, Kallakurichi	-
		“Introduction to Indian English Literature”	National Level Webinar	16.08.2020	Department of English, TVUCAS, Kallakurichi	-
		“Student-Centred Teaching Methods & Strategies in Higher Education”	FDP	10.08.2020-14.08.2020	Rajasthan Technical University, Kota & SKIT, India	-
		“E-content Development using Camtasia Software &Edpuzzle”	National Level E-workshop	11.08.2020	Office of the Dean (Academic Affairs) & Centre for Innovation in Teaching & Learning, BSACIST	-
		“TOEFL-Train the Trainer Programme”	Webinar	06.08.2020	Department of English, BSACIST	-
		“Hands on training for Crescent LMS”	E- Workshop	04.08.2020	Office of the Dean (Academic Affairs) & School of Computer Science and Application	-
		“Literary Criticism”	FDP	30.07.2020-05.08.2020	PG Department of English, TVUCAS,	-

					Kallakurichi, India	
	Dr. Md. Sahidul Islam	"Research Trends in English Studies"	FDP	22.07.2020-29.07.2020	Bharathiar University Coimbatore, India	-
		"Nuances of Writing & Publishing a Non-Fiction Book"	National Level Webinar	04.07.2020	Department of English, BSACIST, Chennai	-
5	Mrs.N.Suguna	Nuances of Writing and publishing a non-fiction book	webinar	04.07.2020	BSACIST	-
		"How to Publish with Oxford Journals."	Webinar	24.07.2020	Oxford University press	-
		"Online workshop on Design and development of E-Content for Innovation in Teaching and Learning"- office of Dean (Academics)	Webinar	12.08.2020	BSACIST	-
		"Advancing your research career through technology commercialization activities"	Webinar	28.07.2020	BSACIST	-

		“Language, Literature and Cultural Studies in the 21 st Century”.	Virtual Two-Day International Conference	22.05.2021	BSACIST	-
6	Dr. A. Sulochana	National Faculty Enrichment Programme	Online	19.05.2020	IQAC of Mannar Thirumalai Naicker College, Madurai.	-
		“Pandemic and Post – Pandemic Reflection”	The Golden Jubilee National Webinar Series	15.05.20, 19.05.20 and 30.05.20.	The Post Graduate Department of English, Bharata Mata College, Thrikkakara, Kerala	-
		Beyond Academic Excellence – A Reality Show”	Webinar Series FDP	25.05.20 - 31.05.20.	Nallamuthu Goundar Mahalingam Collge(Autonomous), Pollachi, Coimbatore,	-
		Indigenous Knowledge Systems and Modern Education”	Webinar Series FDP	25.05.2020- 29.05.2020	Sri Ayyappa College for Women (SACFW) and Shisha Sanskriti Utthan Nyas	-
		“Changing faces on English Teaching/Learning in the Post Pandemic World”	Three Day Online FDP	26.05.2020- 28.05.2020	Department of English, Kristu Jayanti College (Autonomous), Bengaluru	-

		“Quality in Teaching, Learning and Evaluation: A Need for Academic Excellence”	Online National Conference	29.05.2020-30.05.2020	St. Aloysius College (Autonomous), Jabalpur, M.P	-
		Innovative Strategies in English Language Teaching”	Three-day Online FDP	10.06.2020-12.06.2020.	St. Joseph College of Engineering	-
		Innovative Techniques for Effective Teaching online and offline”	Two-day International Virtual FDP	12.06.2020-13.06.2020.	Faculty of English (Department of M&H) Mahatma Gandhi Institute of Technology, Hyderabad	-
		Design and Development of E-Content” Organized by the Center for Innovation in Teaching & Learning	Online Workshop	12.08.2020	BSACIST	-
	Dr. A. Sulochana	“Women Empowerment and Literature”	Three Day Online	07.09.21-09.09.21.	SRM Institute of Science and Technology, Ramapuram Campus, Chennai	-
		“Digital Tools for Effective Teaching”	One-Day Workshop	09.10.2021	Department of English, School of Commerce, Computer Science and IT, Jain (Deemed-to-be-University), Bangalore	-

		“Language, Literature and Cultural Studies in the 21 st Century”	Two Day International Conference	21.05.201 and 22.05.2021.	BSACIST	-
7	Dr.Sakthivel	“Research Essentials in English Language & Literature”	One Week STTP	04-01-2021-08-01-2021	BSACIST	-
		“Harmony in the Workplace: Effective Interpersonal & Communication Skills”	One Week AICTE	21-12-2020-26-12-2020	Sri Venkateswara college, Tirupati, Andhra Pradesh.	-
		Be the Change Teaching Learning Process”	One Week AICTE	07-12-2020 - 12-12-2020	BSACIST	-
		Tips to Face NAAC Assessment and Accreditation”	Five Days FDP	27-05-2020 - 31-05-2020	Idhaya College for Women, Sivagangai.	-
		“The Gender Perspectives in Modern Literature and Emotional Intelligence- An Overview”	International Virtual FDP	27.10.2020	WELLTA	-
		Stylistics & Professional Writing of Journal Papers”	International Virtual FDP	26.10.2020	WELLTA	-
		Teaching Poetry Effectively’	National Webinar	06.12. 2020.	ELTAI	-
		‘Design and Development of E-Content’	Workshop	12.08.2020	BSACIST	-

		Nuances of Writing and Publishing a Non-Fiction Book'	National Level Webinar	04.07.2020	BSACIST	-
		Developing Vital Critical Thinking and Communication Skills through Visuals'	International Webinar	10.06.2020	BSACIST	-
		Contemporary Critical Theories'	National Webinar	03.06.2020	Mar Gregorios College of Arts and Science, Chennai	-
8	Dr. N. Sheik Hameed	Research Essentials in English Language & Research Trends in 3L (Language, Linguistics and Literature)	STTP	01.03.2021-05.03.2021	Edyathangudy G.S. Pillay Arts and Science College (Autonomous)	-
		Programme of Research Methodology.	Webinar	22.11.21	Sullamussalam Science College, Areekode	-
9	Dr.S.I.Muththamiz h Selvi	Technology mediated visuals for enhancing motivation among adolescent learners	Webinar	21.09.21	WELLTTA	-
		"Research Essentials in English Language Teaching and Literature"	STTP	04.01.2021-08. 01.2021	BSACIST	-
10	Mr.Hussain Basha	"Nuances of Writing and Publishing a Non-Fiction Book"	National Level Webinar	04.07.2020	BSACIST	-
		"Design and Development of E-Content"	Online Workshop	12.08.2020.	Center for Innovation in Teaching & Learning (CITL) and Office of Dean	-

					(Academic Affairs),	
		“Developing Vital Critical Thinking and Communication Skills through Visuals”	International Webinar	10.06.2020	BSACIST	-
		“Language Testing and Assessment”	FDP	27.02.2020	BSACIST	-
11	Dr. H. Asharafunisha	Research Essentials in English Language Teaching and Literature	STTP	04.01.2021 - 08.01.2021	BSACIST	-
12	Dr.H.Sofia	“Research Outlook, Innovations and Research Trends” (ICROIRT-2020)	International Conference	29.08.2020-30.08.2020	Kannada Sangh Pune’s Kaveri College of Arts & Science & Commerce, Pune in association with Skillslate & MKCL Pune	-
		Skill Building: Creating & Empowering Leaders of Tomorrow	4 day online National Workshop	28.08.2020, 29.08.2020	BSACIST	-
		Research Essentials in Language and Literature’	A five-day Short Term STTP	4.01.2021-8.01.2021 03.08.2020-06.08.2020 16.08.2020	BSACIST	-

		A webinar on English Studies Now: Single Platform, Diverse Opportunities	Programme	28.09.2021	BSACIST	-
		online TOEFL	Train The Trainer	04.07.2020	BSACIST	-
		A webinar on Stardom beyond Boundaries with Digital	Training Programme	30.10.2.21	BSACIST	-
		A webinar on Translating Language into Career	Training Programme	12.10.2021 07.10.2021	BSACIST	-
13	Dr.S.Vijayakumar	Research Essentials in English Language & Literature	One Week STTP	04-01-2021- 08-01-2021	BSACIST	-
		“Harmony in the Workplace: Effective Interpersonal & Communication Skills”	One Week AICTE sponsored	21.05.2021 & 22.05.2021	SRM	-
		“Be the Change Teaching Learning Process” “Tips to Face NAAC Assessment and Accreditation	One Week AICTE sponsored STTP	16.08.2021- 20.08.2021.	BSACIST	-

		Positive Thinking” was organized by AMET Deemed to be University, Chennai	Five Days FDP	4.01.2021 - 8.01.2021	AMET Deemed to be University, Chennai	-
		“The Gender Perspectives in Modern Literature and Emotional Intelligence- An Overview”	Lecture Skill Development	24.08.2020 - 30.08.2020	Capecomorin Trust	-
	Dr.S.Vijayakumar	Stylistics & Professional Writing of Journal Papers”	International Virtual FDP	10.08.2020 - 14.08.2020.	Lavender Literary Club In collaboration with Loyola Institute of Technology, AndhraPradesh	-
		International Seminar on “Language, Literature, Linguistics and Culture”	International Virtual FDP	3.08.2020 - 6.08.2020	BSACIST	-
		‘Language, Literature and Cultural Studies in the 21st Century’ at BSACIST ‘Research Outlook, Innovations and Research Trends’ (ICROIRT-2020)	Two day International Conference International Conference Webinar	30.07.2020- 5.08.2020	BSACIST	-
		‘Four Simple Principles to Improve Academic Writing Practice’	National Webinar	26.06.2020	BSACIST	-

		Design and Development of E-Content'	National Webinar	27.08.2020	BSACIST	-
		'Crescent LMS for Faculty Member'	Training Program	06.08. 2020	BSACIST	-
		'Nuances of Writing and Publishing a Non-Fiction Book	Training Program	04.08.2020	BSACIST	-
		'Contemporary Critical Theories' TOEFL	Train The Trainer Program	04.07.2020	BSACIST	-

❖ **Papers Published/ Presented in Journals & Conferences (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	7	2	-	-	2	1	-	12

❖ **Details of Publication in National & International Journals & Conferences:**

❖ **International Journal & National Journal**

SCI/Scopus Indexed Journal

- Rathna. P, “Symbiosis of Women and Nature: An Ecofeministic Study of Indigenous Women in Doris Pilkington’s Under the Wintamarra Tree”, *Forum for World Literature Studies*, (Vol.12 No.3, pp.483-496), September 2020.
- Vijayakumar .S, Tamilarasan.and Harshini.P. (2020) “Blended Models for Open Learning in Higher Education: An Empirical Study” *Gedrag & Organisatie review*. 20(2), 705-721. (Web of science)
- Vijayakumar. S, Harshini.P. , and Tamilarasan.P (2020) “Integrative Model for Online Learning: An Intervention Research” *Journal of Xidian University*. Volume 14, Issue 5, 103-120 (SCOPUS)
- Sadaffunisha. S.A, Vijayakumar. S (2021) “A Systematic Review of Reading Instruction in ESL Classrooms” *Elementary Education Online*, 20 (5), 1894-1900. doi:10.17051/ilkonline.2021.05.208. (SCOPUS)

Other journals

- N.Suguna. “Speaking Skills for Engineering Students- A pilot study” (62- 65) *KALA- Journal of Indian Art History Congress*.UGC care Journal
- H.Sofia “Learning English in a Mobile Age” in *Kalyan Bharati, Journal of Indian History and Culture*, Vol.XXIV No.(08) 2021, ISSN No.0976-0822(UGC-CARE List Group I)
- N.Sugun, H.Sofia, “Applying Theories and Approaches into classroom practice- An overview in the context of English Language Teaching”, *Kalyan Bharati, Journal of Indian History and Culture*, Vol.XXIV No.(08) 2021. ISSN No.0976-0822(UGC-CARE List Group I)

- Nihal Zainab, H.Sofia “Representation of Native American Feminism in Sara winemuca’s Life Among the Piutes: Their wrongs and claims”, Kalyan Bharati, Journal of Indian History and Culture, Vol.XXIV No.(08) 2021. ISSN No.0976-0822(UGC-CARE List Group I)
- M. Rabia Begum, H.Sofia “Unidentified Anguish and Trauma of Adolescents –Astudy on Scott Westerfields’ Ugliers” , Kalyan Bharati, Journal of Indian History and Culture, Vol.XXIV No.(08) 2021. ISSN No.0976-0822(UGC-CARE List Group I)
- N.Suguna, H.Sofia “Speaking Skills for the Engineering Students- A Pilot Study” KALA:The Journal of Indian Arts HistoryCongress ISSN: 0975-7945,Volume-25,No.12:2019-2020-December (Pages 62-66)
- Sadaffunisha S.A, Vijayakumar (2020) “Fostering Reading Skills Using a Critical Thinking Framework”- Kala Sarovar,ISSN:0975-4520 Vol-23.Issue-11 (UGC Listed)
- Sajida Bhanu, Vijayakumar “The role of women in English Literature from 20th Century up to modern age of 21st century”. Anvesak, Journal Sardar Patel Institute of Economic and social research. (UGC Listed Care-1)
- Sadaffunisha. S. A and Vijayakumar. S. (2020) “Effective Models of Reading: An Intervention Research. Gedrag & Organisatie review” 20(2), 1041-1050. (Web of science)
- Vijayakumar. “Effectiveness of Enriched Virtual Model in Higher Education: A Mixed Methods Approach”. International Journal of Research and Analytical Reviews. June 2020, Volume 7, Issue 2
- SathikulAmeen & Vijayakumar " A Trauma between Reality and Dream: A Critical Study of Indira Parthasarathy"s Justifications" , Kala Sarovar,ISSN:0975-4520 Vol-23.Issue-11 (UGC Listed)

❖ **Book Published**

Sl. No.	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Ms.A. Catherine Anna Pushpam & Dr.S. Vijayakumar	“Facilitating Productive Skills in a Language Classroom” (chapter) in the book <i>Theories in Language and Literature – A Praxis Oriented Approach</i>	-	97	Scholar’s Press, Republic of Moldova ISBN 978-613-8-927662 in May 2021	Yes
2.	Dr.H.Sofia	(Chapters) English Language & Literature Theory and Practice (Print version) ISBN 978-1-63873-79-4 Theories in Language and Literature-A Praxis Oriented Approach	-	97	Scholar Press, Publishers ISBN 978-613-8-927662 in May 2021 Chennai, India	Yes
3.	Dr.S.Vijayakumar	“A Comparative Analysis of Blended Models at Tertiary Level” - Machine Learning Approaches for Improvising Modern Learning Systems IGI	-	126	Global Publishers. (Scopus) DOI: 10.4018/978-1-7998-5009-0.ch010 https://www.igi-global.com/chapter/a-comparative-analysis-of-blended-models-at-tertiary-level/279387	Yes

4	Dr. Tamilarasan and Dr. Vijayakumar,	“Fostering Writing Skills through Constructivist Approach” Scholar press, Germany, ISBN 9786138927662	-	97	Scholar’s Press, Republic of Moldova ISBN 978-613-8-927662 in May 2021	Yes
5	Dr. Shahidul Islam and Dr. S. Vijayakumar “	“History Myth Tradition and Postmodernism in my name is Red” Scholar press, Germany ISBN 9786138927662	-	97	Scholar’s Press, Republic of Moldova ISBN 978-613-8-927662 in May 2021	Yes
6	Dr. S. Vijayakumar and Dr. Sahidul Isam ,	“Theoretical Framework for Technology Integration in a Writing Classroom”.	-	97	Scholar’s Press, Republic of Moldova ISBN 978-613-8-927662 in May 2021	Yes
7	Mrs.Catherine and Vijayakumar,	“Facilitating language skills in a writing classroom”, Scholar press, Germany ISBN 9786138927662	-	97	Scholar’s Press, Republic of Moldova ISBN 978-613-8-927662 in May 2021	Yes

❖ **Achievements of Students**

Sl. No.	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Faheema Jaffarin	201481601003	Published books 1.The Metamorphosis 2.Miles Away from Home 3.The Wind Beneath my Wings	Emerald publishers, Chennai Notion Press, Chennai Notion Press, Chennai	February, 2021 April, 2021 December, 2021

❖ **Extension Activity Conducted**

Sl. No.	Name of Faculty	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
			Faculty	Student	Others			
1	Dr.P.Rathna	Translated FIVE modules of the NPTEL Course “Applied Linguistics” offered by IIT Madras	-	-	-	-	-	-
		Resource person for the session on the topic “ Useful Apps for Effective English Language Teaching and Learning ” in Day 2 as part of	-	-	-	-	18.09.2020	-

		<p>the Two Day National Level E-Workshop on Teaching and Learning English through Idioms and Apps organized by the Department of English, Faculty of Humanities and Science, Adayalampattu Phase II Campus, Dr. M.G.R Educational and Research Institute, Chennai! https://youtu.be/7Orz8ivAKoM</p>						
		<p>Resource person for the session on the topic, “Understanding Search and (Re) search” during the five day STTP on “Research Essentials in English Language Teaching and Literature” organised by the Department of English, BSA Crescent Institute of Science and Technology https://youtu.be/-4jJDa81LPc</p>	-	-	-	-	5.01.2021	-
2	Dr. Syed Adil	<p>Presented a paper at Dr. MGR Educational and Research Institute in International conference</p>	-	-	-	-	20.10.2021 -21.10.2021	-

		Performed an active role as an advisor to the international Conference organised by the Department of Commerce BSACIST & University of Nigiri - Indonesia	-	-	-	-	-	-
		Gave a talk to the freshers in induction program - BSACIST	-	Student	-	Commerece Department freshers	30.9.2021	-
		Gave a talk in Induction Program organized by Dr. Kutty Rani, Dean, school of physical and chemical sciences	-	Student	-	B.Tech freshers	-	-
		Participated in an academic forum organised by the department of Applied Linguistics and Language Teaching - King Zayed University - Abu Dhabi 13.11.2021	-	-	-	-	-	-
3	A. Catherine Anna Pushpam	Resource person for a session on 'Communication Skills'	-	Student	-	I year B.Tech. students of BSACIST	21.10.2020	-
		Resource person for a session in The National Webinar on Effective Communication in the Times of Pandemic	Faculty	-	-	Department of English, Faculty of Humanities and Science, Adayalampattu	07.12.2020	-

						Phase II Campus		
		Resource person for a session on 'The Dynamics of Communication in Times of Pandemic'	Faculty	-	-	Department of English SAS, Vinayaka Missions Research Foundation	30.06.2021	-
4	Dr.H.Sofia	<p>1.Delivered an online talk on English for Communicative Purpose on organized by The Department of English, Periyar University, PG Extension Centre, Dharmapuri</p> <p>2.Delivered an online talk on Listening Skills on 02.03.2021 in the four days Training programme on 'Communication Skills' organized by the Skill and Personality Development Centre (SPDC) of BSACIST</p> <p>3.Delivered an online talk on Equity and Inclusion on 30.7.2021 in the Eight theme based webinars celebrating one year of Transformative</p>	-	PG Students	-	-	1 hour	-
				UG students			1 hour	

		Reforms under New Education Policy 2020 (NEP) organized by BSACIST						
5	Dr.S.Vijayakumar	Resource person for the session on the topic, “The Subtle Art of Writing a Research Proposal” on 7.01.2021, during the five day STTP on “Research Essentials in English Language Teaching and Literature” organised by the Department of English, BSA Crescent Institute of Science and Technology during 4-8, January 2021.	Faculty	-	-	-	1 hour	-
		Delivered an online talk on Equity and Inclusion on 2.8.2021 in the Eight theme based webinars celebrating one year of Transformative Reforms under New Education Policy 2020 (NEP) organized by BSACIST	-	-	-	-	-	-

DEPARTMENT OF COMMERCE

❖ Value Added Programmes Conducted

Sl. No.	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Tally	01.03.2021 31.03.2021	2 Hours	-	25	-	-

❖ Conferences / FDP / Seminars / Workshops Organized

Sl. No.	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	ACCA & CIMA Course awareness	Webinar	14.06.2021	ISDC	Mr. Calvin Fredy ISDC ACCA	All Department faculties	-	-	-
2	Capital Market & Banking and Insurance	Webinar	28.06.2021	NSE Academy	Mr. Gogulnath & Mr.Vinothjames, NSE Academy	All Staff	UG Students	-	-

3	Career Guidance After Plus Two	Webinar	30.06.2021	-	Dr. Neethi Kumar Dr. C. Srinivasan Dr. Mohammed Thaha	4	-	-	100
4	"My Story" - Successful Entrepreneur	Motivational Session	23.12.2020	-	-	30	212	-	-
5	Identifying Intellectual Property Component at the Early Stage of Innovation	-	24.12.2020	-	-	20	232	-	-
6	Financial Markets	Online Webinar	26.03.2021	NSE Academy	Mr.Anand Sheyon, Chief Manager, NSE and Mr.Anadhu K Shaji, Deputy Manager, NSE	5	406	-	-
7	NSE Knowledge Hub	Online FDP	21.05.2021	NSE Academy	Soumyajyoti Guha Manager, NSE, NamithaPoman, Manager NSE, Vinodh James,	34	-	-	-

					Manager, NSE and Ranganathan S, Chief Manager NSE.				
8	The Overview of the Indian Capital Markets and Indian Economy	Webinar	07.07.2020 - 10.07.2020	-	Mr. Amit Salaskar	-	112	-	-
9	Managing Business – Globalization a Blessed or the Cursed	Webinar	28.07.2020 - 28.07.2020	-	Ms Jeonah Joseph	-	89	-	-

❖ **Conferences / FDP / Seminars / Workshops Attended**

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration	Organizing Agency	Details of Financial support received from the institution (Rs)
1	Dr. Afzalur Rahman	" Data Analytics: Tools & Techniques "	FDP	22.11.2021 – 26.11.2021	University of Hyderabad	-

2	Dr. Afzalur Rahman	" Data Analysis Using R "	FDP	25.10.2021 – 29.10.2021	Babasaheb Bhimrao Ambedkar University	-
3	Dr. Afzalur Rahman	" NEP 2020:Implementation for Quality Education "	FDP	13.09.2021-17.09.2021	Makhanlal Chaturvedi National University of Journalism & Communication	-
4	Dr. Afzalur Rahman	"Data science using python"	FDP	15.11.2021-19.11.2021	University of Hyderabad	-
5	Dr. Afzalur Rahman	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2020-03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
6	Dr. Sibghatullah Nasir	Chganging Dimensions in Commerce Education	FDP	20.10.2021-27.10.2021	NGM College	-
7	Dr. Sibghatullah Nasir	National Level Faculty Development Programme on "Outcome Based Education (OBE)"	FDP	11.07.2020	Cauvery College for Women (Autonomous)	-
8	Dr. Sibghatullah Nasir	Current Trends of Deep Learning in Various Research Domains	FDP	20.09.2021-24.09.2021.	National Institute Of Technology Warangal Centre for Continuing Education &	-

					VIT-AP University, Amaravati	
9	Dr. Sibghatullah Nasir	Strategy for Managing Personal Finance	Webinar	25.11.2021	ACECM, Eternal University	-
10	Dr. Sibghatullah Nasir	Introduction of Accreditation Mechanism- NAAC/NBA Approach	FDP	16.07.2020-20.07.2020		-
11	Dr. Sibghatullah Nasir	International Conference on "Research Outlook, Innovations and Research Trends" (ICROIRT-2020)	Conference	29.08.2020-30.08.2020	MANY	-
12	Dr. Sibghatullah Nasir	"Digital Tools For Researchers and ICT Online Tools in Teaching"	FDP	20.07.2020-24.07.2020	Hindusthan College of Arts and Science, Coimbatore, Tamilnadu	-
13	Dr. Sibghatullah Nasir	Outcome based Education	FDP	22.07.2020-24.07.2020	20.07.2020-24.07.2020	-
14	Dr. Sibghatullah Nasir	"Orienting Applications & Conceptualized Aspects of Sciences & Humanities"	-	21.07.2020-25.07.2020	Dept. of Humanities & Sciences, Balaji Institute of Technology & Science	-
15	Dr. Sibghatullah Nasir	Moodle Learning Management	-	02.07.2020-08.07.2020	GASC, Thiruvalluvar	-
16	Dr. Sibghatullah Nasir	"Learning Management System & E-Content Development	Workshop	01.07.2020-08.07.2020	Hindusthan College of Arts and Science, Coimbatore, Tamilnadu	-

		Tools”				
17	Dr. Sibghatullah Nasir	“Learning Management System & E-Content Development Tools”	FDP	01.07.2020-08.07.2020	Hindusthan College of Arts and Science, Coimbatore, Tamilnadu	-
18	Dr. Sibghatullah Nasir	Be The Change – Teaching Learning process	STTP	05.04.2020-10.04.2020	HR & FTA, BSACIST, Chennai	-
19	Dr. Sibghatullah Nasir	Appluication of Moodle LMS	FDP	11.07.2020-25.07.2020	Department of Management studies, BSACIST, Chennai and Department of Management Studies, JMI, Delhi	-
20	Dr. Sibghatullah Nasir	Current Scenario of Work Management & ICT Tools for Teaching and Learning Process	Webinar	09.07.2020-15.07. 2020	Hindusthan College of Arts and Science, Coimbatore, Tamilnadu	-
21	Dr. Sibghatullah Nasir	Be The Change – Teaching Learning Process	STTP	7-12 Dec. 2020	HR & FTA, BSACIST, Chennai	-
22	Dr. Sibghatullah Nasir	“Impact of COVID-19 on Indian Middle Class”	Webinar	14.07.2020-15.07.2020	MAJU Rampur	-
23	Dr. Neethi Kumar	Risk Management for Micro, Small and Medium Entrepriase (MSMEs)	FDP	16.11.2021-21.11.2021	SSN School of Management, Chennai	-
24	Dr. Neethi Kumar	Two days online Faculty Development	FDP	22.06.2021-23.06.2021	Bharathiar University	-

		Programme on Capital Markets				
25	Dr. Neethi Kumar	15 day Training on "Data Sciences and Machine Learning"	FDP	19.05.2021 – 03.06.2021	Skill and Personality Development Programme Centre (SPDC)	-
26	Dr. Neethi Kumar	Risk Management for Micro, Small and Medium Enterprise (MSMEs)	FDP	16.11.2021- 21.11.2021	SSN School of Management Chennai	-
27	Dr. Kogila.N	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2020 – 03.10.2020	Dept. Of Commerce, BSACIST, Chennai	-
29	Dr. Kogila.N	Virtual submit - I Paradigm Shift in Consumer Behaviour	Webinar	07.07.2020 - 09.07. 2020	Stella Mary's College, Chennai	-
30	Dr. Nirmala S S	Two days FDP on "Teaching Skills Development in Accounting and Management"	FDP	02.10.2020 - 03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
31	Mr. B. Ziauddin	Virtual submit - I Paradigm Shift in Consumer Behaviour	Webinar	07.07.2020 - 09.07. 2020	Stella Mary's College, Chennai	-
32	Mr. B. Ziauddin	Two week FDP on Application of Middle LMS	FDP	11.07.2020 - 25.07. 2020	Dept. of Management Studies, BSA	-
33	Dr. Syed Noorul Shajar	Two day FDP on "Teaching Skills	FDP	02.10.2020- 03.10. 2020	Dept. of Commerce	-

		Development in Accounting and Management				
34	Dr. Ziauddin A	ABC of Personality Development for Social Engineers	Webinar	24.05.2021	Stella Matutina college of Education, Nazareth College of Education for Women. Chennai	-
35	Dr. Ziauddin A	Teaching Redefined for Generation	Webinar	17.05.2021 - 23.05.2021	Tamilnadu Teacher Education University	-
36	Dr. Ziauddin A	Gender Equality	FDP	16.02.2021 - 22.02.2021	CALEM, Aligarh Muslim University (PMMMNMU) UGC ,HRDC	-
37	Dr. Ziauddin A	Virtual submit - I Paradigm Shift in Consumer Behaviour	Webinar	07.07.2020-09.07.2020	Stella Mary's college, Chennai	-
38	Dr. Ziauddin A	Lockdown Mental Health and Challenges	Webinar	06.07.2020	DG Vaishnav College, Chennai	-
39	Dr. Ziauddin A	Two Week FDP on Application of Moodle LMS	FDP	11.07.2020-25.07.2020	Dept. of Management Studies, BSA	-
40	Dr. Mohsin Khan	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2020-03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
41	Dr. C. Srinivasan	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2020-03.10.2020	Dept. of Commerce, BSACIST, Chennai	-

42	Dr. C. Srinivasan	7 days International online FDP on "ICT Tools for effective Online Teaching & Learning"	FDP	29.06.2020 – 05.07.2020	Govt.First Grade College, Ranebennur, Karnataka	-
43	Dr. Vijay Kumar	NPTEL Online Certification - Introduction to Research	SWAYAM - FDP	December 2020	IIT Chennai	-
44	Dr. Vijay Kumar	Two day FDP on "Teaching Skills Development in Accounting and Management"	FDP	02.10.2020 - 03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
45	Dr. Vijay Kumar	WC101x: Workplace Communication	MOOC - Skill Development FDP	15.07.2020 15.12.2020	Indian Institute of Technology, Bombay.	-
46	Dr. Vijay Kumar	Presented a paper `E-Learning in India: Challenges and Opportunities	International Conference	September 2020	ICROIRT-2020 New Delhi	-
47	Dr. Vijay Kumar	Be the change Teaching Learning Process	Short Term Training Programme	07.12.2020 - 12.12.2020	HR & Faculty Training Academy BSACIST, Chennai	-
48	Dr. Vijay Kumar	New Directions in Teaching and Learning	FDP	23.11.2020-30.11.2020	St.Claret College college, Bangaluru	-
49	Dr. Vijay Kumar	UEF World Summit 2020	Conference	4.12.2020	Government of Tamil nadu	-
50	Dr. Vijay Kumar	"Effective and Quality Research	8 Days International	07.06.2021 – 15.06.2021	Patrician College of Arts and Science, Chennai .	-

		Writing” - Phase II	PDP			
51	Dr.N.Vijaya Kumar	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2020 - 03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
52	Dr. Indumathi	International Virtual Conference on Industry 5.0 -Post Pandemic Transformation	Conference	18.08.2021	Patrician College of Arts & Science, Chennai and Department of Commerce, St. Joseph's College of Commerce.	-
53	Dr. Indumathi	Impact of COVID -19 on Companies / Corporate Sector	FDP	05.06.2020	ICSI-SIRC and the Department of Commerce of Dr.M.G.R.Educational and Research Institute, Chennai 95	-
54	Dr. Indumathi	Online Teaching & E-content	FDP	04.06.2020	IID	-
55	Dr. Indumathi	“Six Days National Workshop on Research Methodology (QNVWRM-2021)”	Workshop	19 .04.2021 - 24 .04.2021	Queens College of Arts and Science for Women, Punalkulam	-
56	Dr. Indumathi	International Workshop on Research & Methodology	Workshop	17.09.2021- 2.10.2021	World Statistical Data Analysis Research Association, Eudoxia Research Centre	-
57	Dr. Indumathi	Hands-on International Training Program on Application of SPSS for	Workshop	05.10.2021- 11.10 2021	World Statistical Data Analysis Research Association, Eudoxia	-

		Data Analysis			Research Centre	
58	Mr. Rajini	Application of Moodle LMS	E- FDP	11.07.2020 – 25.07.2020	Intellect Infinity, Pune	-
59	Mr. Rajini	My Story- Motivational Session by Successful Entrepreneur	Webinar	20.12. 2020	Dept. of Commerce with CIIC, BSARCIST	-
60	Mr. Rajini	Identifying Intellectual Property Component At The Early Stage Innovation	Webinar	24.12. 2020	Dept. of Commerce with CIIC, BSARCIST	-
61	Mr. Rajini	Big Data Analysis	Online FDP	25.01,2021- 29.01.2021	AICTE	-
62	Mr. Rajini	Investment Funding Opportunity for Early Stage Entrepreneurs	Webinar	23.06.2021	Dept. of Commerce with CIIC, BSARCIST	-
63	Mr. Rajini	Developing consciousness	Online FDP	16.08.2021 – 20.08..2021	AICTE, New Delhi	-
64	Mr. Rajini	Elarly Stage Innovation, Startups and Entrepreneurship	Online FDP	23.08.2021 – 27.08.2021	AICTE, New Delhi	-
65	Mr. Rajini	Application Areas of Data Analytics Data Sciences	Online FDP	23. 10.2021 - 27.10. 2021	AICTE, New Delhi	-
66	Dr.Indumathi N	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2020 - 03.10.2020	Dept. of Commerce, BSACIST, Chennai	-

67	Ms. T. Porkodi	Two days FDP on "Teaching Skills Development in Accounting and Management"	FDP	02.10.2020 - 03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
68	Ms. T. Porkodi	Virtual submit - I Paradigm shift in Consumer Behaviour	Webinar	07.07.2020 – 09.07. 2020	Stella Maris College, Chennai	-
69	Ms. Ifra Fathima	E2 Project & Relationship Management	FDP	02. 06.2020, 04.06.2020 & 06.06.2020	Dept. of Commerce, BSACIST, Chennai	-
70	Ms. Ifra Fathima	Two days FDP on "Teaching Skills Development in Accounting and Management	FDP	02.10.2019 - 03.10.2019	Dept. of Commerce, BSACIST, Chennai	-
71	Ms. Ifra Fathima	Seven Day Faculty Development Programme on "Leadership Excellence"	FDP	17.06.2020 - 23.06.2020	The Department of Corporate Secretaryship and Information Systems Management, Justice Basheer Ahmed sayeed College for Women	-
72	Ms. Ifra Fathima	Two Day Faculty Development Program on Online Teaching & E-content	FDP	03.06.2020 - 04.06.2020	IIDE	-
73	Ms. Ifra Fathima	"How to Publish our Research in Top Tier Journals"	FDP	30.04. 2020	Dr. MGR Educational and Research Institute	-

74	Ms. Ifra Fathima	FDP on Trading in Equity	FDP	01.07.2020 - 02.07.2020	NISM	-
75	Ms. Ifra Fathima	Three Day FDP on Introduction to Big Data Analytics	FDP	07.08.2020 – 09. 08.2020	ICT Academy, BSACIST, Chennai	-
76	Ms. Ifra Fathima	Android App using Kotlin (in ONLINE MODE)	FDP	10.08.2020 - 16.08. 2020	Spoken tutorial IIT Bombay, BSACIST	-
77	Ms. Ifra Fathima	"Business Data Analysis using R Software"	FDP	22. 09.2020- 26.09.2020	AICTE Training And Learning (ATAL) Academy	-
78	Ms. Ifra Fathima	AICTE – AQIS sponsored Six Days Short Term Training Programme (STTP) on Be the Change – Teaching Learning Process the complete transformation.	STTP	07.12.2020- 12.12.2020	AICTE- AQIS, BSAU	-
79	Ms. Ifra Fathima	Refresher Course In Commerce	SWAYAM-ARPIT-FDP	16 weeks starts from 01.09.2019	Sri Ram Shri Ram College of Commerce, University of Delhi	-
80	Ms. Ifra Fathima	Marketing Research and Analysis - II	AICTE-NPTEL FDP	12 Weeks starts from 27.01.2020	IIT Roorkee	-
81	Ms. Ifra Fathima	How to Write a Research Paper	Workshop	20.06.2020 - 21.06. 2020	Matterhere	-
82	Ms. Ifra Fathima	My story- motivational session by successful entrepreneur	Webinar	23.12.2020	Department of Commerce in association with CIIC	-

83	Ms. Ifra Fathima	Identifying intellectual property component at the early stage of innovation	Webinar	-	Department of Commerce in association with CIIC -	-
84	Ms. Ifra Fathima	International Conference on Research Outlook, Innovations, and Research Trends (ICROIRT-2020).	International Conference	29.08.2020 - 30.08.2020	Department of Commerce, BSAU	-
85	Ms. Ifra Fathima	Awareness on COVID-19	Webinar	18.06.2020	Dept. of Commerce, BSACIST, Chennai	-
86	Ms. Ifra Fathima	Beginner's guide to Google Sheets	Webinar	22.07.2020	IIDE	-
87	Dr.Zeenat Fatima	Application of Moodle LMS	FDP	11.07.2020 - 18.07.2020	Dept. of Management Studies, BSACIST, Chennai.	-
88	Ms. S Farzana	World Economy Post Covid Reset: Gains, Pains and the Way Forward	Conference	05.03.2021	Ramakrishna Mission Vivekananda College	-
89	Ms. S Farzana	One Day Virtual International Conference	Conference	Sept 2021	International Conference on Research Outlook Innovations and Research Trends	-
90	Ms. S Farzana	Annual Refresher Programme In Teaching (ARPIT) on Skills for New Educational Architecture	Swayam Online Course	December 2020 – March 2021	Ministry of Human Resources Development, Government of India	-

91	Ms. S Farzana	Annual Refresher Programme In Teaching (ARPIT) on Leadership and Governance in Higher Education Level 2	Swayam Online Course	, December 2020 – March 2021	Ministry of Human Resources Development, Government of India	-
92	Ms. S Farzana	Soft Skills	FDP	December 2020	IIT Bombay	-
93	Ms. S Farzana	Empowering Teachers for Developing Culturally Responsive Classroom	Online Course	25.05.2021 – 21.06.2021	Open Education for a Better World Project of United nations Educational, Scientific and Cultural Organisation (UNESCO)	-
94	Ms. S Farzana	Bloom's Taxonomy and Rubrics	Online Course	25.05.2021 – 21.06.2021	Open Education for a Better World Project of United nations Educational, Scientific and Cultural Organisation (UNESCO)-	-
95	Ms. S Farzana	AICTE Sponsored six day Short Term Training Programme on "Be The Change Teaching Learning Process"	STTP	15.02.2021-20.02.2021	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
96	Ms. S Farzana	AICTE Sponsored six day Short Term Training Programme on "Be The Change Teaching Learning Process – 2"	STTP	07.12.2020 – 12.12.2020	B.S.Abdur Rahman Crescent Institute of Science and Technology	-

97	Mr.AsanBawa	Two day FDP on "Teaching Skills Development in Accounting and Management"	FDP	02.10.2020 – 03.10.2020	Dept. of Commerce, BSACIST, Chennai	-
98	Dr. Porkodi T	"Advances in Statistics and Data Science for Sustainable Human Development"	International Webinar	07.09.2020 - 10.09.2020	Prof.C.R.RAO BIRTH CENTENARY	-
99	Dr. Porkodi T	Corporate Social Responsibility and Sustainability	International Webinar & FDP	20.09.2020	ManipaulAcadamy of Higher Education	-
100	Dr. Porkodi T	Writing Effective Management Case studies	International Webinar & FDP	27.09.2020	ManipaulAcadamy of Higher Education	-
101	Dr. Porkodi T	Career Guidance in IT	Webinar	11.11.2020	BLDE Associations	-
102	Dr. Porkodi T	Intellectual Property Rights	Workshop	07.01.2020	CIPAM & KGCAS	-
103	Dr.Porkodi T	Financial Planning and Investing Oppurtunities	Webinar	03.04.2021	Govt. College for Women, Karimnagar & Mutual Funds aof India	-
104	Dr. Porkodi T	Financial Empowerment through whealth creation	Webinar	16.03.2021	Bharathidasan Govt. College for Women, Pondicherry & Mutual Funds aof India	-
105	Dr. Porkodi T	Writring and Publishing research article in CARE listed and International Journals	Webinar	24.07.2021	MES Asmabi College Kerala in Association with Research Dept. of Commerce.	-

106	Dr. Porkodi T	"Innovation & Research in Academic Institutions"	Workshop	05.08.2021 - 10.08.2021	Partician College of Arts and Science	-
107	Dr. Krupa Nair	International Virtual Conference on Industry 5.0 -Post Pandemic Transformation	Conference	18.08.2021	Patrician College of Arts & Science, Chennai and Department of Commerce, St. Joseph's College of Commerce.	-
108	Dr. Krupa Nair	NLP for personality Development	Quality improvement programme	7.12.2020-11.12.2020	NITTTR, Chennai	-
109	Dr. Krupa Nair	Academic Leadership	Training programme	16.02.2021-22.02.2021	CALEM, Aligarh	-
110	Dr. Krupa Nair	Workplace Communication	Online Course	15.7.2020-15.12.2020	IIT Bombay	-
111	Dr. Krupa Nair	Emotional Intelligence	FDP	25.09.2021 – 29.09.2021	ATAL FDP	-
112	Dr. Krupa Nair	Organization Behaviour	FDP	21.09.2020 – 25.09.2020	ATAL FDP	-
113	Dr. Krupa Nair	Be The Change – Teaching Learning process	STTP	5-10 April, 2020	HR & FTA, BSACIST, Chennai	-
114	Dr. Mohsin Khan	Be The Change – Teaching Learning process	STTP	5-10 April, 2020	HR & FTA, BSACIST, Chennai	-
115	Dr. Mohsin Khan	Be The Change – Teaching Learning process	STTP	7-12 Dec. 2020	HR & FTA, BSACIST, Chennai	-

❖ **Details of Publication In National & International Journals & Conferences:**

**C. International Journal & National Journal
SCI/Scopus Indexed Journal :**

1. Shajar .N, Nasir.S, Alam. S, Ashfaquddin. M. “Impact of Working Capital Policies on the Market Value of Firm: A Study of Selected Indian Manufacturing Companies”. *TEST Engineering & Management*, 83(2):25235 – 25244, (2020).
2. Abubecker, F., Khan, M., Waheed, K. “Understanding the Financial Inclusion Moderating Effect on Negative Attitude of Muslim Population towards Banking Services in Tamil Nadu, India”. *International Journal of Psychosocial Rehabilitation*, 24(05), (2020).

Other journals :

1. P. Neethikumar, X. Palin Jeromina, L. EstherThamarine, Dr. D. Kesavan. “The Relationship of Customer Service Quality and Customer Trust In Private Banks” *illkorretim Online*, 2021; Vol 20 (Issue 5): pp. 5454-5458 doi:10.17051/ilkonline.2021.05.612. ISSN:1305-3515
2. Vijayakumar N, Dr C Srinivasan (2020) “E-Learning in India: Challenges and Opportunities”, *Research Outlook, Innovations and Research Trends in Social Sciences*, Editors: Dr R Shanti, Dr D Ayub Khan Dawood, Dr Prashant P Chaudhari, Mrs Priyanka Gupta ISBN: 978-81-946660-0-4 E- BOOK Published by ALBOREAR (OPC) PVT. LTD. Maharashtra, India.
3. Vijayakumar, N. (2020). “Buying Behaviour of Consumers Towards Instant Food Products In Namakkal District”. *International Journal of Advanced Science and Technology*, 29(4s), 671 - 677. Retrieved from <http://serisc.org/journals/index.php/IJAST/article/view/6491> Issue Vol. 29 No. 4s (2020): (Special Issue)
4. N. Vijayakumar (2021) “Management Concepts in Thirukkural” *International Conference conducted by Apollo Arts and Science College, Chennai*, ISBN 9788194401629 March 2021 Pp 451-460

5. Vijayakumar.N , R. Mayakkannan (2021), "Impact on Risk Quantification of Indian Equity Markets Adopted By Beta Analysis " / Pages : 1923-1928,Turkish Journal of Physiotherapy and Rehabilitation, Volume: 32 - Issue: 2 March 20, 2021.
6. N. Vijayakumar (2021) A Study on The Problems and Prospects of Bitcoin, International Virtual Conference on "Standing up to the Post Pandemic Challenges in the Global Scenario - 2K21" (ICPPCGS'21) organized by Apollo college of Arts and Sciences Chennai. ISBN - 978 - 81 - 952402 - 6 – 5 31 JULY, 2021. P. 197-203
7. R. Monisha, I. Shanmugapriya, M.L. Mayalekshmi, N. Indumathi, Krupa B. Nair, Farzana. S (2021), "A study on the Impact of Brand Influence in Innovation of Product - Organic Soap"- Turkish online journal of Qualitative inquiry. Indexed by Scopus TR Dizin.
8. N. Indumathi, Krupa B. Nair, Farzana. S (2021) "A Study on The Impact of Covid-19 on Home Delivery of Food Items through Food Delivery Platforms" International Journal of Business and Administration Research Review. Vol.8, Issue -3, Page 141, ISSN -2348-0653, July - Sept 2021.
9. Mrs. S. Farzana, Dr. N. Indumathi, Dr. Krupa B. Nair (2020) "A study on the engagement level of employee and its influence on the organizational effectiveness in the foreign banks in chennai – an employee perspective, Special Issue ICROIRT-2020 September 2020 by IJASRW (ISSN: 2581-5997) and E-Book (Research outlook, innovations and research trends in social sciences, 978-81-946660-0-4) International Journal of Advance Study and Research Work (2581-5997)/ Special Issue ICROIRT-2020/September 2020.
10. S. Rajini, N. Raja Hussain (Nov. 2020). 'Perception of Goods and Services Tax: A Study among Customers with an Analytical Approach'. *International Journal of Future Generation Communication and Networking*. - Vol. 13, No. 4, (2020), pp. 2151–2161 – ISSN: 2233-7857.
11. S.S. Nirmala et al, N. Kogila et al, T. Porkodi et al "Technology, Chennai, The Binding Stress in the Profession of Junior Level Officers like JCs and NJCs in Military Intelligence of India"*International journal of advanced Science and Technology*, VOL. 29, NO. 2, (2020), PP. 3520 - 3529.
12. S.S. Nirmala et al, T. Porkodi et al, N. Kogila et al, "A Birds Eye view of the Changing Scenario of Programmes and Policies in the Indian Stock Market" *European Journal & Clinical Medicine*, Vol 7, Issues 8 2020, PP 5562-5568.

13. J.M. Velmurugan et al, N. Kogilaetal, T. Porkodi et al., "Finacial Performance of Mahatma Gandhi National Rural Emplment Guarantee Act (MGNREGA) and Social Audit in India - A Panoramic View." *International Journal of analytical and experimental modal analysis*. Vol XIII, Issue VII, PP 1430-1437, July 2021.
14. N. Kogila et al., SS. Nirmala et al., T. Porkodi et al., "Process and Pattern of Risk management in tackling issues and challenges on HRM practices in India." *INFOKARA Research* Vol 10, Issue I, PP 99-111, Jan 2021.
15. Ziaavuddeen B, Abbas Manthiri A, (2021). Stress Management and Covid 19 measures followed by bank employees with digital technology, *Wesleyan Journal of Research*, Issn No: 0975-1386, Volume No. 14, Issue No.1(VI) 01, pp.1-4.
16. Ziaavuddeen.B, Book chapter: Finacial Performance of Small Scale Industries, Book: " *International Trade and business Reforms and Performance Issues*", ISSN No;978-1638867258, Pg No: 48- 64.

❖ **Details of Impact Factor of the Publication and H-Index**

A) Range: B) Average: C) H-Index: 2 D) No. In Scopus:

❖ **Society Activities:**

Sl. No.	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1.	Crescent NSS Team	Swachh Bharat Mission	1	50	-	-	Cleaned in and around the school Premises (keerapakkam, karasangal – Chengalpattu	-

							district)	
2.	Crescent NSS Team	Disaster Management	1	10	-	-	Distribution of Flood Relief Materials to Needy (250 members) in Nagure, Nagapptanam, Tamil Nadu.	-
3.	Crescent NSS Team	Fit India Programme	2	100	-	-	Awareness about the physical fitness – Crescent campus.	-
4.	Crescent NSS Team	Uploading details for Government officials	3	250	-	-	Assistance to Government Officials for uploading details of Scholarship in the Government Website for 3000 students.	-
5.	Crescent NSS Team	Tree Plantation	3	300	-	-	Participants in Mega Tree Plantation Drive at Mahindra City.	-
6.	Crescent NSS Team	Uploading details for Government officials	2	50	-	-	Data entry of Tamil Nadu Government Chief Minister Grievance Redressel Schemes to the respective Government	-

							Website.	
7.	NSS Day Celebration on 24th September by Conducting Campus Cleaning and Other Competitions.	Cleanliness Drive and celebrating NSS	2	50	-	-	Clean Maintainance of college campus	-
8.	Volunteers Participation in International Wild life Conservation - Run for Animal - Organized at Vandalur zoo	Wild life Conservation	2	100	-	-	Awareness on Protection of wildlife animal	-
9.	Crescent NSS Team	Data Entry for Government officials	2	35	-	-	Tamil Nadu Government Data entry - Update the content in Election Identity card.	-
10.	Crescent NSS Team	Nilavembu Kudineer distribution to the Staff and Students at the Crescent campus	1	20	-	-	Eradication of dengue fever – Crescent campus	-
11.	Crescent NSS Team	National Unity	3	75	-	-	Observance of RashtriyaEktaDiwas (National Unity Day) on 31st October,2019 Pledge Taking Ceremony may	-

							be organised.	
12.	Crescent NSS Team	Vigilance Awareness Day	2	50	-	-	Observance of Vigilance awareness day.	-
13.	Crescent NSS Team	Disaster Management	2	75	-	-	Disaster Mitigation Awareness Campaign.	-
14.	Crescent NSS Team	Educational awareness pledge	2	25	-	-	Observance of National Education Day 12th November 2019 a Pledge Taking Ceremony organised.	-
15.	Crescent NSS Team	Constitution Day	3	50	-	-	The 26 th November is celebrated as “Constitution Day” or “Samvidhan Divas” by Govt. of India	-
16.	Crescent NSS Team	State level NSS Meeting	2	-	2 PO	-	Participated in NSS State level meeting at Chennai.	-
17.	Crescent NSS Team	Importance of Yoga	2	100		-	FIT India Cyclathon	-
18.	Crescent NSS Team	National Girls Child Day	2	20	-	-	Spreading awareness of Girl Child	-
19.	Crescent NSS Team	Right to vote	3	50	-	-	Awareness on	-

							casting vote - National Voters Day	
20.	Crescent NSS Team	NSS Camp	3	100	-	-	NSS Special Camp at Karsangal Village	-
21.	Crescent NSS Team	Blood donation	3	100	-	-	Blood Donation Camp – Crescent medical center	-
22.	Crescent NSS Team	Sustainable Living Environment	2	60	-	-	Conduction of workshop on the topic Action plan of the contribution to the society in creating sustainable living environment	-
23.	Crescent NSS Team	Food Distribution to Needy	2	20	-	-	Due to COVID 19 Free distribution of rice to needy people at karasangal village, Chennai.	-
24.	Crescent NSS Team	NSS Workshop	2	5	1 PO	-	Attended NSS Workshop at Trichy	-

SCHOOL OF ARABIC AND ISLAMIC STUDIES

❖ Conferences / FDP / Seminars / Workshops Attended

Sl. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received(Rs)
1.	Dr. A. Abdul Hai	"Implementation of OBE and Online teaching"	Training Programme	19.10.2020-23.10.2020	National Institute of Technical Teachers Training and Research (NITTTR), Chennai.	Nil
2.	Dr. A. Abdul Hai	"Teaching Arabic to Non-Native Speakers: Challenges and Opportunities"	Webinar	13.11.2020	P.G. & Research Department of Arabic, Jamal Mohamed College, Tiruchirappalli.	Nil
3.	Dr. A. Abdul Hai	"Nep 2020: Higher Education Curricular Issues and Implications"	Webinar	20.11.2020	National Institute of Technical Teachers Training and Research (NITTTR), Bhopal.	Nil
4.	Dr. S. Abdus Samad	"NEP 2020: Higher Education Curricular Issues and Implications"	National Webinar	20.11.2020	National Institute of Technical Teachers` Training and Research, Bhopal	-
5.	Dr. S. Abdus Samad	"Implementation of OBE and Online	Faculty Development	19.10.2020 - 23.10.2020	National Institute of Technical Teachers	

		Teaching”	Programme		Training & Research, (NITTTR) Chennai.	-
6.	Dr. S. Abdus Samad	“Professional Ethics and Sustainable Development”	STTP through ICT Mode	26.10.2020 – 30.10.2020	National Institute of Technical Teachers Training & Research, (NITTTR) Kolkata	-
7.	Dr. S. Abdus Samad	“Induction Training”	STTP through ICT Mode	02.11.2020 – 06.11.2020	National Institute of Technical Teachers Training & Research, (NITTTR) Kolkata	-
8.	Dr. S. Abdus Samad	“Gender Equality”	Faculty Development Programme	16.02.2021- 22.02.2021	Centre for Academic Leadership and Education Management (CALEM), Aligarh Muslim University, Aligarh. PMMMNMTT, (Ministry of Education, Govt. India)	-
9.	Dr. S. Abdus Samad	“Be the Change - Teaching Learning Process”	STTP	15.02.2021 – 20.12.2021	HR & Faculty Training Academy (FTA), BSAU, Chennai, Tamilnadu, India	-
10.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Teaching Communicative Arabic for Non-native Speakers	International seminar	12.02.2020	The New College	International

11.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Personal Empowerment in Emergency Response (Peer) Workshop	National	13.03. 2020	Alert and Crescent alumni association	National
12.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Islamic psychology	National workshop	19.02.2020 - 20.02.2020	Crescent B.S. Abdurrahman Institute of Science and Technology	National
13.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Author workshop	Webinar	30.07. 2020	Springer Nature and Crescent B.S. Abdurrahman Institute of Science and Technology	National
14.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	“Global Muslim response to the covid 19 pandemic”	International webinar	10.06.2020	Sadakathullah Appa College Thirunelveli.	International
15.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	“Arete: Aiming Excellence in Teaching and Learning”	International Webinar	13 .06.2020	Crescent school of pharmacy B.S. Abdur Rahman Crescent institute of science and technology, Chennai.48, Tamil Nadu, India	International
16.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	“Digital ID /Publishing Articles in Peer Reviewed Journals”	National level webinar	13.06.2020	Muthurangam govt arts college Vellor	National

17.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	“Documentation for Revised NAAC Assessment and Accreditation Process”	Online national workshop	28 .07.2020	Late pushpavathi patil arts & Science College, Rishod dist, Washim (M.S) & IQAC, Sant Gadge Baba Amaravathi University, Amaravathi.	National
18.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Application of Moodle LMS	online FDP	26.07.2020	Intellect Infinity & B.S. Abdur Rahman Crescent institute of science and technology, Chennai.48, Tamil Nadu, India	National
19.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Foundation and Application of Indian Psychology	One-week FDP		DR MGR JANAKI College of Arts and Science for Women	National
20.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Resource person for FDP on Indian Psychology – Psychology IN SUFISM	National	22.11.2020	DR MGR JANAKI College of Arts and Science for Women	National
21.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	UGC sponsored Refresher Program	National	16.12.2020 - 30.12.2020	Aligrah Muslim University	National
22.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	UGC sponsored FDP	National	12.01.2021 - 16.02.2021	Aligrah Muslim University	National
23.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	International Arabic webinar	International	31.07.2021	The New College	International

		Contribution of Sudan to Arabic Language				
24.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Persian Language Courses - Level I	International	11. 06.2021 11.09.2021	Culture House of Islamic Republic of Iran New Delhi	International
25.	Dr. Nahvi. A.M. Muhiyadeen Lebbai	Persian Language Courses - Level II	International	16.10.2021 – 17. 01.2022	Culture House of Islamic Republic of Iran New Delhi	International

❖ **Papers Published/ Presented In Journals & Conferences (July 2019 - June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	-	-	-	1	-	-	1

❖ **Details of Publication in National & International Journals & Conferences:**

National Journal

- 1) Dr. Nahvi. A.M. Muhiyadeen Lebbai, Dr. Ali Ibrahim, الفراند والجواهر في القصائد والموالد, KALIKOOT ARABIC JOURNAL, Vol 11. Issue 2. May -Aug 2021. ISSN 2278- 764, PP. 197-209

❖ **Achievements of Staff**

Sl. No.	Name of the Faculty/ Non-teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr. P.S. Syed Masood Jamali	Chairman, Board of Studies (BOS) on Islamic Studies	Tamil Nadu open University, Chennai	Mar. 2020 - Feb 2023
2.	Dr. A. Abdul Hai Nadwi	Member, Board of Studies (BOS), Islamic Studies	Manonmanium Sundaranar University, Tirunelveli	July 2020 - June 2023
3.	Dr. S. Abdus Samad	Member, Board of Studies (BOS), Dept. of Arabic	Manonmanium Sundaranar University, Tirunelveli	July 2020 - June 2023

❖ **Achievements of Students**

S. No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mohideen Abuthahir. R	190111601029	Olympic Celebration Marathon 5k Run – 2021 / Awarded certificate of completion	Green fit Sports, Jaipur	September, 2021
2.	Muhammad Sufyaan A. R	200111601057	English Essay Writing (online) - 2021	Knowledge Hunt	June, 2021
3.	Mohideen Abuthahir. R	190111601029	Chennai virtual Marathon 5 K Run- 2021 / Awarded certificate of completion	Omega Events	August, 2021

4.	Mohideen Abuthahir. R	190111601029	Independence Day virtual Marathon 5 K Run- 2021 / Awarded certificate of completion	Green fit Sports	August, 2021
5.	Mohideen Abuthahir. R	190111601029	State Level Arabic (Oratorical) Competition Awarded 2 nd Place	Kulliyathu Salaam, Trichy	December, 2021
6.	Mohideen Abuthahir. R	190111601029	District Level English (Oratorical) Competition Awarded certificate of Participation	State Minority Commission, Govt. of Tamil Nadu	March, 2021
7.	Mohammed Umar .M	200111601049	Ramadan Special Quiz Program	Bukhari Media, Chennai	May, 2021

❖ **Extension Activity Conducted**

Sl. No.	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Food packets were provided to the poor and needy during the lockdown.	2	4	10	150 poor and needy people in and around Vandalur and Guduvanchery.	2 Months	Hunger Relief

CRESCENT SCHOOL OF LAW

❖ Conferences, FDP's, Seminars, Workshops Attended

SI No	Name of The Faculty	Name of The Programme	Type of Programme	Duration (From - To)	Organizing Agency
1	Muthamizh Thilagam	Innovation and Research	International conference	28.12.2020	SRM University, Chennai
		Competition Law	International conference-presented	07.02.2021	VIT, chennai
		Online platform for teaching and research	National online workshop	20.07.2020 – 24.07.2020	TNDALU, chennai
		Ccompemporary changing dimension of law in india	FDP	15.06.2020 – 19.06.2020	Amity university -Lucknow
		socio-legal aspect of domestic violence	Webminar	15.07. 2020	Northcap University
		e-content development	One week FDP	27.07.2020 – 31.07.2020	MHRD -Sanatan Dharma College
2	Nizamuddin Ahmad Siddiqui	Paper Presentation: Workshop on Method, Methodology and Critique in International Law	International Research Workshop	December 15-16, 2021	Centre for International and European Law, Asser Institute, Netherlands
		Lecture: The Role of International Law in	Invited Lecture (Online)	15.07. 2021	Association of Indian Research Scholars, India

		the Construction of Minority Identity in India			
		Paper Presentation (with Tarique Faiyaz): Narratives of International Law Workshop	International Research Workshop	20.05. 2021	Maastricht University, Netherlands
		Paper Presentation (with Shaheen Qureshi): Seventh Annual Junior Scholars Conference	International Research Conference	16.04.2021 - 17.04.2021	University of Michigan, United States
		Paper Presentation: Inaugural Asian and Oceania Business and Human Rights Doctoral Symposium	International Research Workshop	03.02.2021- 04.02.2021 & 09.02.2021	RMIT Business and Human Rights Centre and The Public and Human Rights Forum of City University Hong Kong, SRA China
		Lecture: Why Citizenship Matters - A Constitutional and International Law Perspective on the Indian CAA and NRC	Invited Lecture (Online)	19.07.2021	Society for Critical Legal Studies, University of Chittagong, Bangladesh
		Programme Coordinator: Alternative Approaches to International Law - A	A year long lecture series	October, 2020- September, 2021	Weeramantry Centre for Peace, Justice and International Law (India) and ChinmayaVishwavidyapeeth (India)

		Lecture Series			
3	Dr.E.Priyanka	Good Governance & Sustainable Development	National seminar	05.10.2021	Saveetha School of Law
		Pandit Jawaharlal Nehru and Unparalleled Personage	National Webinar	13.11. 2021	Saveetha School of Law
		Ict Tools for Teaching and Learning	Short Term Training Programme	06.12.2021-10.12.2021	NITTR, KOLKATA
		Trademarks law and Contemporary issues	National Virtual Workshop	27.11.2021 – 28.11.2021	Vivekananda Institute of Professional Studies & Centre for Intellectual Property Rights
		Prospects for Regional Peace & Security in South Asia	National Seminar	21.09. 2021	Saveetha School of Law
		Role of Communication and Public Relations in Law	Webinar	13.09.2021	Crescent school of law
		New Horizons of Higher Education and Effective Use of ICT	National Workshop	21.09.2021-23.09.2021	Yashwantrao Chavan Law College, Pune
		A Crisis Management Approach	Webinar	18.08.2020	Anna Centre for Public Affairs, university of Madras
		Helth,Medicine and Innvotion:Evedence from Intellectual	Webinar	26.06.2020	B.S.Abdur Rahman Crescent Institute of Science & Technology

		Property Rights			
		Modern Monetary Theory (MMT)	Webinar	29.06. 2020	B.S.Abdur Rahman Crescent Institute of Science & Technology
		Combating Non Tradional Treats from China like COVID-19	Webinar	18.06. 2020	Bherulal PatidarGovt P.G College, MHOW
		Excellence in Teaching Learning of Research in Higher Education	FDP	29.06.2020 - 03.07.2020	Department of Accounting and Finance department
		Success Talk Series-I : Victim to Victory	National webinar	09.07.2020	Anna Adarsh College for Women
		"On hurdles of Migrant workers during COVID"	National webinar	27. 06. 2020	Faculty of Law, Dr.M.G.R.Educational and Research Institute, Chennai
		Crescent LMS for Faculty Members	One day training Programme	04.08. 2020	Office of Data Centre and the Office of Dean, Academic Affairs, BSACIST
4	J LAKSHMI CHARAN	Paper Presentation Analysis of Aadhaar Act, 2016 and Data Protection Laws in India	Two Day National Conference	04.06.2021 & 05.06.2021	ICFAI, HYDERABAD
		Paper Presentation An overview of Indian Laws for Sustainable Solid Waste	Two Day International Conference	08.05.2021 & 9.05.2021	ICFAI, HYDERABAD

		Management			
		Scope and Opportunities in Aviation, Defence, Maritime and Remote Sensing Sector	Webinar series	13.07.2021-17.07.2021	NALSAR University of Law
		Participated Crimes Against Women: Rape and Brutal Killing – Legal Perspectives	One day Conference	09.11.2020	Andhra University with UGC, New Delhi
		Election Laws in India	One day National workshop	16.02.2020	Symbiosis Law School, Hyderabad
5	Ankit Anand	Gender Sensitization and Human Rights	International FDP	18.05.2020 – 22.05.2020	School of Law, Sathyabama Institute of Science and Technology Chennai, India in association with SyiahKualaUniversity, Banda Aceh, Indonesia.
		Intellectual Property Rights	National FDP	19.05.2020	S.A. Jain (PG) College, Ambala City
		Coping with the Transition in Legal Education during COVID-19: The way Forward	National FDP	30.05.2020 01.06.2020	School of Law, The Northcap University.
		Contemporary Issues of Law	National FDP	17.06.2020 – 24.06.2020	School of Legal studies, Cochin University of Science and Technology (CUSAT).

	E- Content Development	National FDP	20.07.2020	S.A. Jain (PG) College, Ambala City in collaboration with Lovely Professional University, Punjab.
	Research and Development in Legal Pedagogy in Post Pandemic India	National FDP	06.07.2020-10.07.2020.	Amity Law School, Amity University, Kolkata
	Innovative Teaching Learning Methods & Research in Law: Challenges Ahead	National FDP	13.07.2020 - 18.07. 2020.	School of Law, Sharda University
	Climate change and environment legal protection	National FDP	07.09.2020 - 11.09.2020.	Department of Law, School of Legal studies, Central University of Tamil Nadu
	Legal Research- Academic Practices and trends	National FDP	27.03.2021-28.03.2021	Faculty of Law, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu
	Interface between Forensic Science & Law	International Workshop	01.06.2020 - 02.06.2020	School of Law, Vels Institute of Science & Technology and Advanced Studies (VISTAS).
	Alternative Dispute Resolution (ADR)	International Workshop	01. 08.2020 -02.08.2020	Justice Remedem Centre for Conflict Resolution.
	Intellectual Property in India: Emerging Trends, Challenges, Opportunities and Legal Response	National Workshop	26.04. 2021	School of Law, Vels Institute of Science & Technology and Advanced Studies(VISTAS).
	Research Studies in	National Workshop	30.05. 2021 -	Manuneethi Free

		Law		03.06.2021	Legal Awareness Organization in joint collaboration with The Tamil Nadu Dr. Ambedkar Law University and Commonwealth Legal Education Associations.
		Conflict Assessment & Management	Executive Programme	27.11.2021-12.12.2021	School of Law, Sastra Deemed University in joint collaboration with The Tata-Palkhivala Chair on AI & ADR.
		Online measures to curb domestic violence amid the lockdown	National Webinar	12.05.2020	School of Law, Sharda University
		Online Dispute Resolution: The way forward	National Webinar	15.05.2020	School of Law, Sharda University
		Implications of Covid-19 on Human Trafficking & Right to victims	National Webinar	13.05.2020	School of Law, Sharda University
		Protection of Right to Life and Right to livelihood during Covid-19 pandemic	National Webinar	11.05.2020	School of Law, Sharda University
		Corporate Citizenship & Governance	National Webinar	23.05.2020	School of Law, VELS Institute of Science & Technology and Advanced Studies (VISTAS)
		Competition Law and Intellectual Property in	International Conference	07.02.2020	VIT School of Law, VIT Chennai

		the age of Platforms and New Technology			
6	IhsanShahzad P A(Particulars are before joining the university on 3rd December 2021)	Judged preliminary rounds 1 and 2 of 1st N.J. Yasaswy Virtual National Environmental Law Moot Court Competition	National Moot court competition	05.09.2021	ICFAI University Dehradun in Association with Gorkela Law Office (AOR), Supreme Court of India, Manupatra& E-Justice India
		Judged preliminary rounds 1 and 2 of 1st Virtual National Moot Court Competition	National Moot court competition	17.09.2021	ICFAI University Jaipur
		Research Studies in Law	National Workshop	30th may to 3rd June	MFLA, TNDLU and CLEA
		World Environment Day : Restoration of Ecosystem for a Sustainable Future: Issues and Challenges on World Environment Day	Special Guest Lecture	5th June	ICFAI University, Dehradun
		How to file Patent, Copyright and Trademark	National Webinar	04.10.2020	Research Circle
		Right to Liberty and Duty to the Community during Covid-19 Pandemic	International Webinar	24.08.2020	ICFAI Law School, Dehradun

		Highlights and Implementation of National Education Policy-2020	National Workshop	24th – 28th August	Bangalore University
		Online Teaching Learning and Assessment Process	Faculty Development Program	3rd to 9th August	CHRIST (Deemed to be) University, Bengaluru and M.P Law College, Aurangabad
		Legal Research and Writing	Online workshop	26 July to 10th August	Legal Chronicle
7	Krishnaveni. K	“Online platform for teaching and research	Faculty Development Program	20.07.2020 - 24.07.2020	The Tamilnadu Dr Ambedkar Law University - Chennai.
		“Innovative Teaching Learning Methods & Research in Law	Faculty Development Program	13.07.2020 - 18.07.2020.	school of Law, Sharda University
		Ms Geetha Luthra, Senior Advocate, Supreme Court of India On “Gender Sensitization”	Webinar	12.07.2020	Uttaranchal University.
		“Contemporary Legal Issues and Challenges”	International Seminar	15.07.2020	Apeejay Stya University – Gurugram.
8	Dr. K. Abraham	Principles of Management and HRM	One Day National Webinar	05.03.2021	Crescent School of Law-Chennai
		Organizational Change and Development	One Day National Webinar	28.07.2021	Crescent School of Law-Chennai

		The Status of Rural Development in the Light of SDG'S In India	One Day National Webinar	12.08.2021	YV University-AP
		Trends in E-Commerce Industry: A Review of Consumer Protection In India	One Day National Webinar	08.10.2021	Crescent School of Law-Chennai
9	Neha Parveen	Research Methodology and Recent trends in Law and Management	Faculty Development Program	14.06.2020	DAVV under UGC, Ministry of Human Resource Development Centre.
		Multidisciplinary Approaches in Social and Legal Issues	Faculty Development Program	16.07.2021	IILM, Gurugram.
		proportionality: Balancing the Scales of Justice	National Webinar	03.10.2020	Law Maucula.
		Health of Juvenile- A Quagmire amid corona Epidemic	National Webinar	10.05.2020	University School of Law and Legal Studies, GGSIU, New Delhi.

10	Shaji. M	under the UGC Project on climate change and environment legal protection	FDP	7 - 11 september, 2020	Central university of Tamil Nadu
		presented a paper on Encapsulation on environmental crime and its victims	FDP	11-12 September, 2020	UGC-HRDC - Usmania University
		Changing Dimensions of Legal Education in 21 st Century	FDP	29.06.2020 - 04.07.2020	ICFAI
		Presented a paper on International Perspective on Corporate Responsibility with respect to right to water	International Conference	25 July, 2021	Knowledge Streetz
		Presented a paper on An Analytical study on Human Rights Violations by the	International Conference	30.10.2021 - 31.10.2021	Hidayatullah National law University

		Corporates in India and Abroad			
11	Mursalin.A	Modern Monetary Theory (MMT): The Macro Economics of Human Rights Law	National Webinar	26.06.2020	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Impact of Narcotic Drugs and Psychotropic Substances Among Youth	National Webinar	08.07. 2020	School of Law, Sathyabama Institute of Science and Technology
		IPR	International	29.06.2020	Directorate o Legal Studies, Government Law College Villupuram
		Limited Liability Partnership	National Webinar	11.07.2020	School of Law, Sathyabama Institute of Science and Technology
		"On hurdles of Migrant workers during the covid - 19 and the Plight of homeless dringcovid - 19"	National Webinar	27.06. 2020	Faculty of Law, Dr.M.G.R.Educational and Research Institute, Chennai
		"Health, Medicine and Innovation: Evidence from IPR"	National Webinar	29.06.2020	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology

		"Challenges of Working from Home - 2020"	National Webinar	12.06. 2020	School of Arts and Science and Commerce and Internal Quality Assurance Cell (IQAC), Rai University, Ahmedabad, Gujarat.
		Design and development of E-Content	Workshop	12.8.2020	Organised by Center for Innovation ,Teaching & Learning and office of Dean Academics,BSACIST
		Crescent LMS for Faculty Members	One day Training Program	04.08.2020	Office of Data Centre and the Office of Dean, Academic Affairs, BSACIST
		"Intellectual Property Rights and Innovation Management"	FDP	22.06.2020 – 27.06.2020	School of Law & School of Mechanical Engineering in Association with Daniel & Gladys Advocates, Sathyabama Institute of Science and Technology
		"Excellence in Teaching, Learning & Research in Higher Education"	FDP	29.06.2020 – 03.06.2020	Department of Accounting & Finance, Patrician College of Arts and Science
		Paper presented on "Need for a Sui Generis System to Protect Indigenous People's Traditional Knowledge with Special Reference to IPR" in the	International Webinar	24.08.2020-28.08.2020	National Institute of Rural Development & Panchayat Raj, North Eastern Regional Centre, Guwahati, India Ministry of Rural Development, Govt. of India in collaboration with Bangladesh Academy for Rural Development, Government of

		International Seminar on Rural Development in Asia Pacific Region			Bangladesh, Cumilla, Bangladesh.
		Role of Communication and Public Relation in Law Career	One day Webinar	13.09.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		"Impact of GST on Trade and Consumers"	National Webinar	17.10. 2020	TNDALU
		Judged preliminary rounds 1 and 2 of SRM Tamil Moot Court Competition	National Moot court competition	22.10. 2021	SRM Institute of Science and Technology
12	SherinFarhana E.V	Teaching, Research and Mentorship	FDP	22.11.2021-28.11.2021	KLE COLLEGE OF LAW
		Quality Education	3 Day National Workshop	16.11.2021-18.11.2021	Aligarh Muslim University
		Research Methodology	National Workshop	22.06.2021-26.06.2021	Sharda University
		Research Studies In Law	National Workshop	30.05.2021-03.06.2021	Tamil Nadu Ambedkar University
		On Rights of Differently Abled Persons	National Conference	05.03.2021 - 06.03.2021	Sathyabhama University

13	Pawan Kumar	Paper Presentation on "Dimensions of Human Security and their Implications on Corruption Perception" in Global Dynamics and Contemporary Challenges: Europe and India	Two Days International Conference	20-21 October	JNU Jean Monnet Module, Centre for European Studies, School of International Studies, Jawaharlal Nehru University, New Delhi in collaboration with Centre for Studies in Strategic Technologies (Cyber/Space Security), School of National Security Studies, Central University of Gujarat, Gandhinagar, Gujarat
14	Azhar Iqbal Mozumder	Presentation of Paper titled "the Plight of Women- An Easy Prey to in Cyberspace" in one day International Seminar on "Globalizing World and Cybercrime" Organized by Law Mantra on 30th January, 2021	One day International Conference	30.01.2021	Law Mantra
		"Globalizing World and Cybercrime" Organized by Law Mantra on 30th	One day International Conference	30.01. 2021	Law Mantra

		January, 2021			
15	Manasa Krishnakumar	Coordinated & Participated in the "Modern Monetary Theory (MMT): The Macro Economics of Human Rights Law"	National Webinar	26. 06.2020	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Coordinated & Participated in "Health, Medicine and Innovation: Evidence from IPR"	National Webinar	29.06.2020	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Design and development of E-Content	Workshop	12.8.2020	B.S. Abdur Rahman Crescent Institute of Science & Technology
		Crescent LMS for Faculty Members	One day Training Program	04.08.2020	B.S. Abdur Rahman Crescent Institute of Science & Technology
		How to become an Entrepreneur (Balancing Passion and Profession)	National Webinar	24.08.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Fintech : An Analysis of Industry and Need for Comprehensive Legal Framework in India	National Webinar	09.09.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Was a Resource	National Webinar	26.11.2021	Crescent School of Law, B. S.

	Person on the topic : Are Fundamental Duties being rightfully executed?			Abdur Rahman Crescent Institute of Science & Technology
	Human Rights Impacts of the Digital Welfare State	National Webinar	07.12.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
	An Analysis of Arbitration Law in the light of the recent amendments in India	National Webinar	30.10.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
	International Webinar on Procedural Justice and Legitimacy in Policing	International Webinar	06.07.2020	International Criminology & Forensic Science Association
	International Arbitration Webinar Series	International Webinar	11.07.2020	Law College, Dehradun - Uttarakhand University
	Arbitration Post 2020	International Webinar	27.06.2020	Chennai Dr. Ambedkar Government Law College, Pudupakkam
	Intellectual Property Rights	National Webinar	24.06.2020 26.06.2020	Sree Narayan Guru College, Poothotta
	Research Methodology	FDP	29.07.2021 – 01.07.2021	Amity University
	To assess the fifth semester law	External Expert	25.06.2020	Amity University

		students for their Summer Internship Viva Voce			
		Gender Issues in Covid - 19	International Webinar	25.06.2020 – 27.06.2020	Bharatiyar University, Coimbatore
		Trends in E-Commerce Industry: Review of Consumer Protection in India	National Webinar	08.10.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Role of Communication and Public Relations in Law Career	National Webinar	13.09.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		"Ensuring Reasonable Fair and Justice Procedure for all Citizens"	National Webinar	09.11.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
16	SameeraFathima K	How to become an Entrepreneur (Balancing Passion and Profession)	National Webinar	24.08.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Fintech : An Analysis of Industry and Need for Comprehensive Legal Framework in India	National Webinar	09.09.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
		Are Fundamental Duties being rightfully executed?	National Webinar	26.11.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science &

				Technology
	Crescent LMS for Faculty Members	One day Training Program	04.08.2020	B.S. Abdur Rahman Crescent Institute of Science & Technology
	An Analysis of Arbitration Law in the light of the recent amendments in India	National Webinar	30.10.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
	Trends in E-Commerce Industry: Review of Consumer Protection in India	National Webinar	08.10.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology
	Resource person on the topic "Role of Communication and Public Relations in Law Career"	National Webinar	13.09.2021	Crescent School of Law, B. S. Abdur Rahman Crescent Institute of Science & Technology

CRESCENT SCHOOL OF PHARMACY

❖ Conferences / FDP / Seminars / Workshops Organized:

Sl. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of Participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Career Opportunities in Pharmacy	Webinar	21.09.2020	-	Dr.T.V.Narayana , National President, Indian Pharmaceutical association	10	70	--	--
2	Special talk on Practice School	Webinar	27.10.2020	-	Dr.B.Sailaja, Professor, Sri Padmavathi mahila Vishwa Vidhyalaya	10	56	--	--
3	Innovations in Pharma Industries	Webinar	23.11.2020	-	Dr.M.jayakumar, Dr,Reddy's Lab	10	120	--	--
4	Pharmaceutical Industry Introduction & Expectation	Webinar	11.12.2020	-	Dr.Thangamaria ppan, Bristol-Meyers Squibb, R&D Centre	10	76	--	--
5	Agonistic Talk	Webinar	18.12.2020	-	Dr.Ramadevi Patel, College of applied medicine , SA	10	73	--	--

6	Global Study 7 Job Opportunities	Webinar	18.06.2021	-	Dr.Reshmi Vijay Education Matters	10	62	22	126
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❖ **Conferences / FDP / Seminars / Workshops Attended :**

SI. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Dr.S.M. Shaheedha	Inculcating Universal Human Values in Technical Education	FDP	25.10.2021 - 29.10.2021	AICTE	-
2		Capacity Building for Quality Academicians	FDP	18.01.2021 - 22.01.2021	AICTE	-
3		Quality Attributes for the strategic Improvement of Faculty productivity	FDP	03.08.2021 - 07.08.2021	AICTE	-
4		Teaching Learning and Evaluation	FDP	15.06.2021- 19.06.2021	AICTE	-
5		Academic Leadership	FDP	16.02.2021- 22.02.2021	UGC HRDC	-
6		Be the change- Teaching and Learning process	FDP	07.12.2020- 12.12.2020	AICTE	-
7		Innovations in Natural Product Driven Drug discovery and Analytical chemistry	FDP	06.07.2020 - 11.07.2020	AICTE	-
8	Dr.Y.Ismail	Basic fundamental and Hands on training on sophisticated	FDP	01.03.2021 - 06.03.2021	AICTE	-

		instruments, organized by chandigarh group of colleges				
9		Be the change- Teaching and Learning process, organized by BSACIST	FDP	07.12.2020 - 12.12.2020	AICTE	-
10		Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries organised by NPTEL	FDP	01.08.2020 - 31.12.2020	AICTE	-
11		Repurposing of Drugs organised by Sathyabama Institute of Science and Technolgy	FDP	15.07.2021 - 17.07.2021	AICTE	-
12		Drugs safety monitoring and transition care : The Brink of an artificial Intelligence organisedby AICTE Training and Learning Academy	FDP	27.07.2021 - 31.07.2021	AICTE	-
13	Dr. V. Sowmyalakshmi	Effective use of ICT Tools in Teaching - Learning	FDP	08.06.2020 - 07.07.2020	AICTE	-
14		Innovations in Natural Product Driven Drug discovery and Analytical chemisty	FDP	06.07.2020 - 11.07.2020	AICTE	-
15		Application of Moodle LMS	FDP	07.07.2020 - 25.07.2020	AICTE	-
16		Capacity Building	FDP	18.01.2021 - 22.01.2021	AICTE	-
17		Drug Engineering	FDP	28.06.2021 - 02.07.2021	AICTE	-

18		Personal Effectiveness in Teaching-Learning Process: A Pharmaceutical Perspective	FDP	05.07.2021 - 09.07.2021	AICTE	-
19		Capacity Building of Women Leaders in Higher Education	FDP	12.07.2021- 16.07.2021	AICTE	-
20	Mr. Mohammad Habeeb	Moodle Learning Management System- Conducted by Government Arts and Science college Tamilnadu	FDP	03.07.2020 - 08.07.2020	AICTE	-
21		FDP on Universal Human Values – Student induction Program ,Dept of Mechanical Engineering National Institute of Technology Patna	FDP	21.09.2020 - 25.09.2020	AICTE	-
22		ATAL FDP- Drug disposition an important factor in drug Engineering- Conducted by Bombay college of Pharmacy	FDP	01.06.2021 - 05.06.2021	AICTE	-
23	Dr.N.Irfan	Material Science & Nano Technology (14 days FDP) organised by Department of chemistry, BSACIST	FDP	03.08.2020 – 17.08.2020	AICTE	-

❖ **Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	0	0	0	-	2	10		12

❖ **Details of Publication In National & International Journals & Conferences: (IEEE Format)**

International Journal & National Journal

SCI/Scopus Indexed Journal

Other journals

1. B.Lavanya, N.Narayanan, M.Vijaya Vara Prasad, "Anti Epileptic Activity of Etyl Acetate Extract barks of cassia Fistula Linn. (Ceasalpiniaceae) on experimental Animals", *Journal of Hospital pharmacy*, 15,4,1-9, Dec 2020.
2. Brito Raj, Boukary Obedoulaye, Sucharitha saritha, Shaheedha SM, SrikanthP, Bhaskar Reddy K, " Green Synthesis of polyherbal silver nanoparticles from rosa Gallia officinalis, Citrus Sinesis and Solanum tuberosum extract for antioxidant potency", *International Journal of Research in pharmaceutical sciences* 11, 4, 6975- 6985 Aug 2020.
3. S M Shaheedha, Sandeep Reddy Cheruku, "Ethnopharmacological Relevance of Medicinal plants from Karim nagar district, Telangana" *International journal of Current Research and Review* 13, 10,150-153, May 2021.
4. Hemalatha S, s m shaheedha, Ramakrishna Borra, " Assessment of prevalence of hypertension in pregnant women with its Complications: a cross sectional Study" , 14,7, Sep 2020.
5. Y ismail, A new Stability indicating Rp-HPLC method Development and Vlidation for the simultaneous Estimation of valsartan and Amlodipine in bulk and its Pharmaceutical Dosage Form", *International Journal of Life sciences and Pharma Research*, 10,190-196,2020
6. Y Ismail, "Cross Sectional Study of cardiovascular disease awareness and therapy management among hypertensive patients in rural areas in the Nellore district, of Andhra Pradesh state" *International Journal of research in Pharmaceutical Sciences*, 11,4,6855-6859,2020
7. haja Nazeer Ahamede, "Bisflavonoids fraction from Araucaria bidwilli Hook., Reverses hyperlipidemia induces artherosclerosis in high fat diet induced hyperlipidemia", *Future Journal of Pharmaceutical Sciences*, 6,2020

8. Haja Nazeer Ahamed, “ Neuroprotective effect of agomelatine in rat model of psychosis: behavioural and histological evidence,” *Journal of Affective Disorders Reports* ,3,100070,2021
- 9.R.Prakash, “ Design and evaluation of acyclovir loaded solid lipid nanoparticles for sustained release”, *Drug Invention Today*, 14,1,108-111, 2020
10. R.Prakash, “Amelioration of cognitive Deficits oxidative damage, neurochemical alteration by Bauhinia purpurea (Stem bark) on scopolamine induced amnesia”, *Journal of Young Pharmacist*, 12,3,231-236, 2021
11. D.JosePrakash, “ Hepatoprotective activity of thalictrum foliolosum (ranunculaceae) Root” *International journal of Life science and Pharma Reswearch*, 10,3,8-11, 2020
12. Irfan.N, “The Synthesis and biological evaluation of virtually designed fluoroquinolone analogs against fluoroquinolone-resistant Escherichia coli intended for UTI treatment” *New Journal of Chemistry*,44,13308-13318,2020

❖ **Sponsored Research (Ongoing / Applied)**

Sl. No..	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2020-21	Balance available	
1	PI: Dr. Karthikeyan Ramalingam Co-PI: Dr.S.M.Shaheedha	ICMR	Nano-ointment for the treatment of hospital infection associated multi-drug resistant Klebsiella pneumoniae pathogens & quot	Rs.14, 50,500	-	-	-	Sanctioned

❖ **Patents (Obtained / Applied):**

Sl. No.	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	Application No : 202041026683A Novel Dual Release Nano Structured Lipid Carrier Enriched Transdermal Patch To Deliver Low Bioavailable Cardiovascular Drugs	24.06.2020	10.07.2020	-	-
2	Application No : 202014044343 Novel Sustained release Tablet with in the Immediate Release Tablet (NSIRT) of Hepatoprotective Drugs.	12.10.2020	23.10.2020	-	-
3	Application No : 202041037164A Dual Retard Inlay Tablet with Low Bio available Cardiovascular Drugs	28.08.2020	11.09.2020	-	-
4	Application No : 202014045221 Machine Learning Based smart Detection of Heart Disease Integrated with Big data	16.10.2020	30.10.2020	-	-
5	Application No : 202014046509 Artificial Neural Network based Detection of Cardiac Arrhythmia in Heart patients	25.10.2020	06.11.2020	-	-
6	Patent number : 2020104023 Machine Learning Based Breast Cancer Detection In Integration With Fuzzy Logic	-	-	-	Term of Patent : Eight years from 11 th December

					2020
7	Application Number: 202141015730 A A Novel Design Of Dual Nozzle Touchless Sanitizer Dispenser	02.04.2021	16.04.2021	-	-

ESTATE OFFICE AND FACILITY MANAGEMENT

❖ **SPORTS VILLAGE CREATED @ COST OF RS.10LAKHS**



❖ **MBA Block phase-2 renovation works with the new facility of Library, Syndicate/conference room/Faculty cabin -10, Dept office and HOD cabin. This facility is with a 2500 sft area of energy efficient Lighting and HVAC system @ a cost of Rs.35Lakhs**



Entrance



Library



Reception



Syndicate Room

❖ **Establishment of New Drawing Hall at Workshop @ a cost of Rs.10Lakhs**



❖ **BEEMA BAMBOO PLANTS 2000 NOS PLANTED IN WHOLE CAMPUS FOR CO2 REDUCTION @ A COST OF RS.2 LAKHS**



❖ **Oxy Park created in campus opposite to Convention Centre**



❖ **Outdoor canteen (Badam Food court)**



❖ **Basic Science Block exterior wall painting work completed @ a cost of Rs.5Lakhs**



- ❖ **Establishment of Biogas plant 500kg/day at Men's Hostel @ a cost of Rs.10Lakhs**



- ❖ **Renovation of Men's Hostel Dining Hall @ a cost of Rs.15Lakhs**



- ❖ **Establishment of Organic Canteen Bamboo Café**



❖ Inauguration of "Continuous Ambient Air Quality Monitoring Station(CAAQMS)"



மாண்புமிகு தமிழ்நாடு முதலமைச்சர் திரு. எடப்பாடி K. பழனிசாமி அவர்கள் 28.10.2020 அன்று தலைமைச் செயலகத்தில், தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மூலமாக தமிழ்நாட்டில் உள்ள 21 மாவட்டங்களில் நிறுவப்பட்டுள்ள 25 தொடர் சுற்றுப்புற காற்றுத் தர கண்காணிப்பு நிலையங்களை (Continuous Ambient Air Quality Monitoring Stations) திறந்து வைத்தார்கள்.



❖ **Medical health checkup camp created near Auditorium for Covid -19 safety protocol**



❖ **Extension of Pharmacy Block**



❖ Establishment of new Toilet near MBA Block



