

ANNUAL REPORT

2018 - 19



INDEX

SI.No	Contents	Page No.
1.	Institute Vision - Mission	5
Summary of the Institute activities		
2.	Academic Affairs	11
3.	Academic Research	28
4.	Centre for Energy, Sponsored Project, Integrated Research and Consultancy	51
5.	Accreditation, Ranking & International Collaboration	54
6.	Centre for Leadership	69
7.	Data Centre	75
8.	Crescent Innovation and Incubation Council	82
9.	Central Library	104
10.	Human Resource & Faculty Training Academy	107
11.	Placement & Training Cell	115
12.	Alumni Relations	141
13.	Department of Physical Education	144
Salient activities of various departments/schools		
School of Computer, Information and Mathematical Sciences		
14.	Department of Computer Science and Engineering	156
15.	Department of Information Technology	182
16.	Department of Computer Applications	210
17.	Department of Mathematics & Actuarial Sciences	247

School of Electrical and Communication Sciences		
18.	Department of Electrical and Electronics Engineering	258
19.	Department of Electronics and Communication Engineering	282
20.	Department of Electronics and Instrumentation Engineering	314
School of Infrastructure		
21.	Department of Civil Engineering	345
School of Mechanical Sciences		
22.	Department of Mechanical Engineering	406
23.	Department of Aerospace Engineering	453
24.	Department of Automobile Engineering	462
25.	Department of Polymer Engineering	475
26.	School of Life Sciences	495
27.	Crescent School of Architecture	575
28.	Department of Management Studies	588
School of Physical and Chemical Sciences		
29.	Department of Physics	602
30.	Department of Chemistry	626
31.	Crescent School of Law	656
32.	Crescent School of Pharmacy	666
School of Social Sciences and Humanities		
33.	Department of English	671
34.	Department of Commerce	699
35.	Estate Office and Facility Management	706

VISION AND MISSION

VISION

B.S. Abdur Rahman Crescent Institute of Science & Technology aspires to be a leader in Education, Training and Research in Engineering, Science, Technology and Management and to play a vital role in the Socio-Economic progress of the Country.

MISSION

- ❖ To blossom into an internationally renowned Institution
- ❖ To empower the youth through quality education and to provide professional leadership
- ❖ 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

PRO CHANCELLOR

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

VICE - CHANCELLOR

PROFESSOR EMERITUS TAN SRI DATO SRI IR. DR. SAHOL HAMID BIN ABU BAKAR

REGISTRAR

Dr.A.AZAD Ph.D

GENERAL MANAGER (ESTATE OFFICE)

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 (ACADEMIC RESEARCH)

DR. I.RAJA MOHAMED, M.SC.,B.ED.,PGDCA.,M.PHIL.,PH.D

DEAN (STUDENT AFFAIRS)

MAJOR GENERAL GURDEEP NARANG, M.SC.(Defence Studies), M.SC.,(Weapon Technology), M.B.A.(HR), M.PHIL (HR)

DEAN i/C (SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES)

Dr. A.Jaya, MCA.,M.E.,Ph.D

DEAN (SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES)

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

DEAN (SCHOOL OF INFRASTRUCTURE)

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. (Fin) PGD PM & IR ; PhD

DEAN (SCHOOL OF ISLAMIC STUDIES)

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

DIRECTOR (SPONSORED RESEARCH & CONSULTANCY)

PROF. T HARINARAYANA

DIRECTOR (ACCREDITATION, RANKING & INTERNATIONAL AFFAIRS)

Dr. R. RAJA PRABU, B.E., M.E., Ph.D.

DIRECTOR (CRESCENT IAS & CAREER GUIDANCE ACADEMY)

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

DIRECTOR (DATA CENTRE)

Dr. P. SHEIK ABDUL KHADER, M.Sc., M.Phil., Ph.D., MISTE.

DIRECTOR (FACULTY TRAINING ACADEMY)

DR. NIKHAT M HAMZA,

DIRECTOR (CENTRE FOR ENERGY RESEARCH AND STUDIES)

PROF. T HARINARAYANA

HEAD OF THE DEPARTMENTS

SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DR. M.SANDHYA, M.E.,M.B.A.,PH.D

DEPARTMENT OF INFORMATION TECHNOLOGY

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

DEPARTMENT OF COMPUTER APPLICATIONS

Dr. A. JAYA, M.C.A., M.E., Ph.D.

DEPARTMENT OF MATHEMATICS

Dr. P.S. SEHIK UDUMAN, M.Sc., M.Phil. (Maths & CS)., B.Ed., Ph.D.

SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Dr. C.T HARINI, M.E,Ph.D

DEPARTMENT OF ELECTRONICS & 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 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

Mr. BASANTA KUMAR BEHERA, A.M.I.E., M.Tech.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

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

DEPARTMENT OF CHEMISTRY

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

SCHOOL OF SOCIAL SCIENCES & HUMANITIES

DEPARTMENT OF ENGLISH

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

OTHERS

LIBRARIAN

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

PLACEMENT & TRAINING CELL

Dr. K.GANESH

CRESCENT INNOVATION & INCUBATION COUNCIL (CIIC)

M. PARVEZ ALAM

SUMMARY

The Institution is guided by Mr. Abdul Qadir A. Rahman Buhari, Chairman Board of management and administered by a team headed by Professor Emeritus Tan Sri Dato Sri Ir. Dr. Sahol Hamid Bin Abu Bakar, Vice Chancellor, and Dr M.S.Haji Shaik Mohammed, Registrar (i/c) are making sincere efforts to achieve excellence in Teaching - Learning process, Research, Consultancy and Extension activities.

ACADEMIC AFFAIRS

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

Office of Academic affairs will be

- Facilitating updation of curriculum and syllabus for academic programmes
- Formulating regulations for academic programmes
- Ensuring quality teaching – learning process through structured mechanism
- Monitoring internal quality assurance mechanism

- Monitoring Institute Transformation KPI's
- Facilitating departments to organize Board of Studies
- Facilitating conduct of Academic Council, Academic & Administration Audit and Convocation
- Preparing Academic Calendar and facilitate Time-Table preparation
- Facilitating the conduction of redo courses by Departments
- Holistically monitoring the academic system of the Institute
- Redressing academic related student grievances
- Organising IQAC activities in coordination with Faculty Training Academy, Department/Schools and Centres etc.
- Involved in organising IQAC activities in co-ordination with Faculty Training Academy

PROGRAMMES OFFERED BY THE SCHOOLS AND DEPARTMENT

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 & Project Management
School of Mechanical Sciences	Aerospace Engineering	B.Tech. Aeronautical Engineering	--
	Automobile Engineering	B.Tech. Automobile Engineering	--

Name of the School	Name of the Department	UG Programmes Offered	PG programmes Offered
	Mechanical Engineering	B.Tech. Mechanical Engineering	M.Tech. Manufacturing Engineering
	Polymer Technology	B.Tech. Polymer Engineering	
School of Electrical & Communication Sciences	Electrical & Electronics Engineering	B. Tech. Electrical & Electronics Engineering	M. Tech Power System Engineering
	Electronics & Communication Engineering	B. Tech. Electronics & Communication Engineering	M. Tech Communication Systems
	Electronics & Instrumentation Engineering	B. Tech. Electronics and Instrumentation Engineering	
School of Computer, Information and Mathematical Sciences	Computer Science & Engineering	B. Tech. Computer Science and Engineering ➤ Big Data Analytics, Artificial Intelligence and Internet of Things	M. Tech Computer Science & Engineering
	Information Technology	B. Tech. Information Technology	M. Tech. Information Technology

Name of the School	Name of the Department	UG Programmes Offered	PG programmes Offered
	Computer Applications	BCA <ul style="list-style-type: none"> ➤ Cloud Technology & Information Security ➤ Mobile Applications & Information Security ➤ Data Science 	MCA
		B.Sc.Computer Science	
	Mathematics & Actuarial Science	--	M.Sc. Actuarial Science
School of Life Sciences		B.Tech. Biotechnology <ul style="list-style-type: none"> ➤ Cancer Biotechnology 	M.Tech. BioTechnology
			M.Sc. Biotechnology <ul style="list-style-type: none"> ➤ Microbiology ➤ Genetics ➤ Biochemistry & Molecular Biology
		B.Sc. Biotechnology	
Crescent School of Architecture		B. Arch (Architecture)	--
		B.Des. Interior Architecture	
Crescent School of Business	Management Studies	BBA (Financial Services)	MBA
		--	

Name of the School	Name of the Department	UG Programmes Offered	PG programmes Offered
School of Physical & Chemical Sciences	Physics	--	M.Sc. Physics
	Chemistry	--	M.Sc. Chemistry
			M.Sc. Biochemistry
School of Social Sciences & Humanities	Commerce	B.Com.	--
		B.Com. (Accounts & Finance)	
School of Arabic & Islamic Studies		B.A. Islamic Studies	M.A. Islamic Studies
Crescent School of Pharmacy		B. Pharm.	--
Crescent School of Law	BBA LLB (Hons.)		--
	B.Com. LLB (Hons.)		
Ph. D. Programme is offered by all the departments.			

Academic Schedule for the year 2018-19 is as follows



20.02.2019

Academic Schedule for the Academic Year 2018-19*

ACTIVITY	ODD SEMESTER			EVEN SEMESTER	
	UG & PG	I Semester PG	SAIS	ALL UG & PG	SAIS
Commencement of the Academic Year	11.07.2018	16.08.2018	02.07.2018	07.01.2019	03.12.2018
CAT I	29.08.2018	10.10.2018	14.08.2018	18.02.2019	17.01.2019
CAT II	10.10.2018	17.11.2018	03.10.2018	29.03.2019	06.03.2019
Last Date for Payment of Exam Fees	03.10.2018			20.03.2019	
Last Date for Payment of Exam Fees with Fine	11.10.2018			28.03.2019	
Last Instructional Day	02.11.2018	04.12.2018	15.11.2018	16.04.2019	18.04.2019
Practical Courses – Semester End Exams	08.11.2018	05.12.2018	--	22.04.2019	--
Substitute Exams	19.11.2018		--	02.05.2019	--
Theory Courses – Semester End Exams	23.11.2018	10.12.2018	16.11.2018	06.05.2019	22.04.2019
Last Working Day	07.12.2018	21.12.2018	30.11.2018	21.05.2019	04.05.2019
Ph.D. Directed Study	08.12.2018	--	--	22.05.2019	--
Arrear Theory Courses – Semester End Exams					
Result Declaration	21.12.2018	11.01.2019	05.12.2018	31.05.2019	16.05.2019
Supplementary Examinations	--			01.07.2019	--
Reopening Date for the next semester	02.01.2019		03.12.2018	08.07.2019	--
Recess for Institution	23.12.2018 to 01.01.2019		--	07.06.2019 to 16.06.2019	--

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* Revised schedule as on 20/02/19

M. A. M.
 DR. M.S. HAJI SHEIKH AHMAMED
 DEAN (AA)
 B.E., M.S., PH.D., M.T., M.A.S.C.E., MRILEM, MNACE
 Dean (Academic Affairs)
 B.S. Abdur Rahman Crescent
 Institute of Science & Technology
 Vandalur, Chennai - 600 042

REGISTRAR

A. V. S.
 26.2.19

Result Analysis for the Even Semester 2018-19:

Programme: Under Graduate (UG)

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.	37	7	19	8	5	5	12
Aeronautical Engg.	29	12	41	6	4	0	7
Automobile Engg.	29	8	28	7	3	3	8
Mechanical Engg. (A & B)	101	45	44	11	9	11	25
Polymer Engg.	11	6	55	0	0	2	3
Electrical & Electronics Engg.	24	13	54	5	1	3	2
Electronics & Communication Engg. (A&B)	97	75	77	10	3	1	8
Electronics & Instrumentation Engg.	16	11	69	1	2	1	1
Computer Science Engg. (A, B & C)	178	121	68	17	20	8	12

Information Technology	56	29	52	5	6	3	13
Biotechnology	44	34	77	1	7	2	0
TOTAL	622	361	58				
B.Arch./B.Des. Programme							
B.Architecture (A&B)	61	38	62	20	0	3	0
B.Des.	35	22	63	2	7	2	2
TOTAL	96	60	63				
Arts & Science Programmes							
B.C.A. (CTIS) (A &B)	82	29	35	13	9	5	26
B.C.A. (MAIS)	24	12	50	3	3	3	3
B.C.A. (DS)	42	24	57	4	6	3	5
B.Sc. (CS) (A&B)	78	35	45	11	9	8	15
B.Sc. (Biotechnology)	59	44	75	14	1	0	0
B.Com. L.L.B. (Hons.)	17	13	76	2	1	1	2
B.B.A. L.L.B. (Hons.)	57	39	68	3	2	2	4
B.Pharm	60	51	85	3	3	0	3
B.Com (G) (A,B,C&D)	263	179	68	30	20	16	18
B.Com (A&F)	115	73	63	18	8	8	8
B.B.A. (FS)	72	28	39	6	8	5	25
B.A. (Islamic Studies)	47	41	87	2	2	1	1
TOTAL	916	568	62				
Overall Total	1634	989	61				

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. (A,B)	80	31	39	14	9	7	19
Aeronautical Engg.	21	9	43	3	3	3	3
Automobile Engg.	46	18	39	11	3	1	14
Mechanical Engg. (A,B&C)	181	89	49	29	23	14	26
Polymer Engg.	17	10	59	3	2	2	0
Electrical & Electronics Engg.	31	18	58	0	5	4	4
Electronics&Communication Engg. (A & B)	105	78	74	10	6	2	9
Electronics & Instrumentation Engg.	27	11	41	10	3	1	1
Computer Science Engg. (A, B &C)	141	126	89	7	4	2	2
Information Technology	38	23	60	6	5	4	0
Biotechnology (A, B &C)	122	106	87	10	3	1	4
TOTAL	809	519	64				
B.Arch. Programme							

B.Architecture	39	33	85	2	3	1	0
B.Des.	44	30	68	8	3	1	2
TOTAL	83	63	76				
B.C.A. (CTIS) (A, B &C)	135	107	79	14	4	3	7
B.C.A. (MAIS)	43	26	60	6	5	2	4
B.C.A. (DS)	39	31	79	4	3	1	0
B.Sc. (CS)	36	24	67	6	0	2	4
B.Sc. (Biotechnology)	28	21	75	2	1	1	3
B.Com. L.L.B. (Hons.)	19	7	37	3	1	4	2
B.B.A. L.L.B. (Hons.)	30	11	37	3	9	2	3
B.Pharm.	61	49	80	2	2	1	7
B.Com (G) (A,B,C&D)	207	127	61	41	6	18	15
B.Com (A&F)	41	24	59	10	4	1	2
B.B.A. (FS)	51	36	71	5	7	2	1
B.A. (Islamic Studies)	42	38	90	1	2	1	1
TOTAL	732	501	68				
Overall Total	1624	1083	67				

Semester: VI

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more
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							than 3 Courses
B.Tech Programmes							
Civil Engg. (A &B)	87	54	62	14	3	6	10
Aeronautical Engg.	14	7	50	1	5	0	1
Automobile Engg.	29	15	52	5	5	0	4
Mechanical (A,B,C&D)	207	133	64	25	12	8	29
Polymer Engg.	19	14	74	1	0	1	3
Electrical & Electronics Engg.	43	26	60	6	2	3	6
Electronics &Communication Engg. (A&B)	108	83	77	2(A)	0	2	10
Electronics &Instrumentation Engg.	31	19	61	7	2	2	4
Computer Science Engg. (A, B & C)	167	147	88	7	5	3	5
Information Technology	55	34	62	7	5	2	7
Biotechnology (A& B)	72	55	76	6	4	3	4
TOTAL	832	587	71				
B.Arch. Programme							
B.Architecture (A & B)	73	54	74	10	0	2	7
Arts & Science Programmes							
B.C.A. (CTIS) (A,B,C)	61	49	80	11	1	0	0

B.C.A. (MAIS)	34	31	91	2	1	0	0
B.Sc. (CS)	12	9	75	1	2	0	0
B.A. (Islamic Studies)	40	38	95	2	0	0	0
TOTAL	147	127	86				
Overall Total	1052	768	73				

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&C)	142	132	93	3	4	3	0
Aeronautical Engg.	16	14	88	1	1	0	0
Automobile Engg.	41	40	98	1	0	0	0
Mechanical (A,B,C&D)	223	201	90	8	4	0	0
Polymer Engg.	12	11	92	0	1	0	0
Electrical & Electronics Engg.	56	54	96	1	1	0	0
Electronics & Communication Engg.(A & B)	85	82	96	1	1	1	0
Electronics & Instrumentation Engg.	31	31	100	0	0	0	0
Computer Science Engg.	104	98	94	6	0	0	0

(A & B)							
Information Technology	44	40	91	4	0	0	0
Biotechnology	38	38	100	0	0	0	0
Cancer Biotechnology	17	17	100	0	0	0	0
TOTAL	809	758	94				
B.Arch. Programme							
B.Architecture (A & B)	73	73	100	0	0	0	0
Overall Total	882	831	94				

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.Architecture (A & B)	74	71	96	0	2	1	0

CONSOLIDATED DETAILS (UG)	II Sem	IV Sem	VI Sem	VIII Sem	X Sem
Total no. of students Appeared	1634	1624	1052	882	74
Total no. of students Passed in all subjects	989	1083	768	831	71
Over all Pass %	61	67	73	94	96

Programme: Post Graduate (PG)

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. Programmes							
Structural Engg.	10	9	90	0	0	0	1
Construction Engg. Project Management (CEPM)	13	12	92	1	0	0	0
CAD/CAM	3	3	100	0	0	0	0
VLSI & Embedded System	5	5	100	0	0	0	0
Computer Science Engg.	2	1	50	0	0	0	0
Information Technology	2	2	100	0	0	0	0
Biotechnology	6	5	83	0	0	0	1
TOTAL	41	37	90				
M.Sc. Programmes							
M.Sc. (Actuarial	27	25	93	1	2	0	0

Sciences)							
M.Sc.(Biotechnology)	16	9	56	1	0	0	6
M.Sc.(Microbiology)	24	20	83	1	1	0	2
M.Sc.(Mole.Bio & Biochem)	9	6	67	1	1	1	0
M.Sc. (Physics)	29	27	93	2	0	0	0
M.Sc. (Chemistry)	29	24	83	1	1	1	2
MA (Islamic)	11	11	100	0	0	0	0
TOTAL	145	122	84				

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. Programmes							
Structural Engg.	17	14	82	3	0	0	0
Construction Engg. Project Management (CEPM)	20	20	100	0	0	0	0
Manufacturing Engg.	4	4	100	0	0	0	0
Power System Engg.	2	2	100	0	0	0	0
Communication System	4	4	100	0	0	0	0

VLSI & Embedded System	2	2	100	0	0	0	0
Computer Science Engg.(flexible mode)	2	1	50	1	0	0	0
Information Technology	3	3	100	0	0	0	0
Biotechnology	7	7	100	0	0	0	0
TOTAL	61	57	93				
M.Sc. Programmes							
M.Sc. (Actuarial Sciences)	15	15	100	0	0	0	0
M.Sc.(Biotechnology)	9	9	100	0	0	0	0
M.Sc.(Microbiology)	5	5	100	0	0	0	0
M.Sc.(Mole.Bio & Biochem)	3	3	100	0	0	0	0
M.Sc. (Physics)	11	10	91	1	0	0	0
M.Sc. (Chemistry)	20	20	100	0	0	0	0
TOTAL	63	62	98				

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.C.A. Programme							
MCA (A&B) - IV sem	126	102	81	13	4	2	5
MCA (A&B) - VI sem	104	102	98	2	0	0	0
M.B.A. Programme							
M.B.A. - II Semester (A, B & C)	120	87	73	20	9	1	3
M.B.A. - VI Trimester (A & B)	107	107	100	0	0	0	0

CONSOLIDATED DETAILS (PG)	II Sem	IV Sem	VI Sem
Total no. of students Appeared	556	250	224
Total no. of students Passed in all subjects	246	221	209
Over all Pass Percentage	44	88	93

ACADEMIC RESEARCH

ABSTRACT

The vision of the office of research is to strive to make the institution as a **Research Intensive Institution** through various quality enhancement and sustainable initiatives. As reflected in the vision statement of the B.S. Abdur Rahman Crescent Institute of Science and Technology, research remains one of the major 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.

All the departments in various schools are offering Ph.D. programmes. Out of **370** faculty members, **173** are with Ph.D. qualification and **125** are pursuing Ph.D. in BSA Crescent Institute of Science and Technology and other Universities. At present, **510** research scholars are on-roll and **66** scholars have been already awarded Ph.D. degree. With an intention to promote quality research, the Institution offers JRF and SRF fellowships to 29 research scholars and another 21 scholars are securing fellowships from government funding agencies such as CSIR / DST / UGC / MNAF/WOS etc.,.

For the benefit of full time research scholars who are not receiving any kind of fellowships, **Earn while you learn scheme** is introduced. The full time scholars who are assisting the lab sessions are paid with remuneration of Rs.300/- per hour.

The progress made in the research front, after becoming Deemed to be University is commendable. The Scopus **h-index** of this Institution is currently **42**, which has increased from 11 in the year 2008. The average citation index is 5.594. More than **3000** research publications have been made in refereed journals and conference proceedings during the last six years.

The departments are equipped with the state-of-the-art equipment and softwares for carrying out research. The annual budget for the departments include a separate head, "R&D" and adequate funds are sanctioned to strengthen and enhance the facilities A separate Centre for Sponsored Research and Consultancy has been created in B.S. Abdur Rahman Crescent Institute of Science and Technology which is responsible for the promotion of Sponsored Research, Industrial Consultancy and Patent filing. Institution also has Innovation centre, Incubation centre and Nano centre.

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 which can be remotely accessed from anywhere.

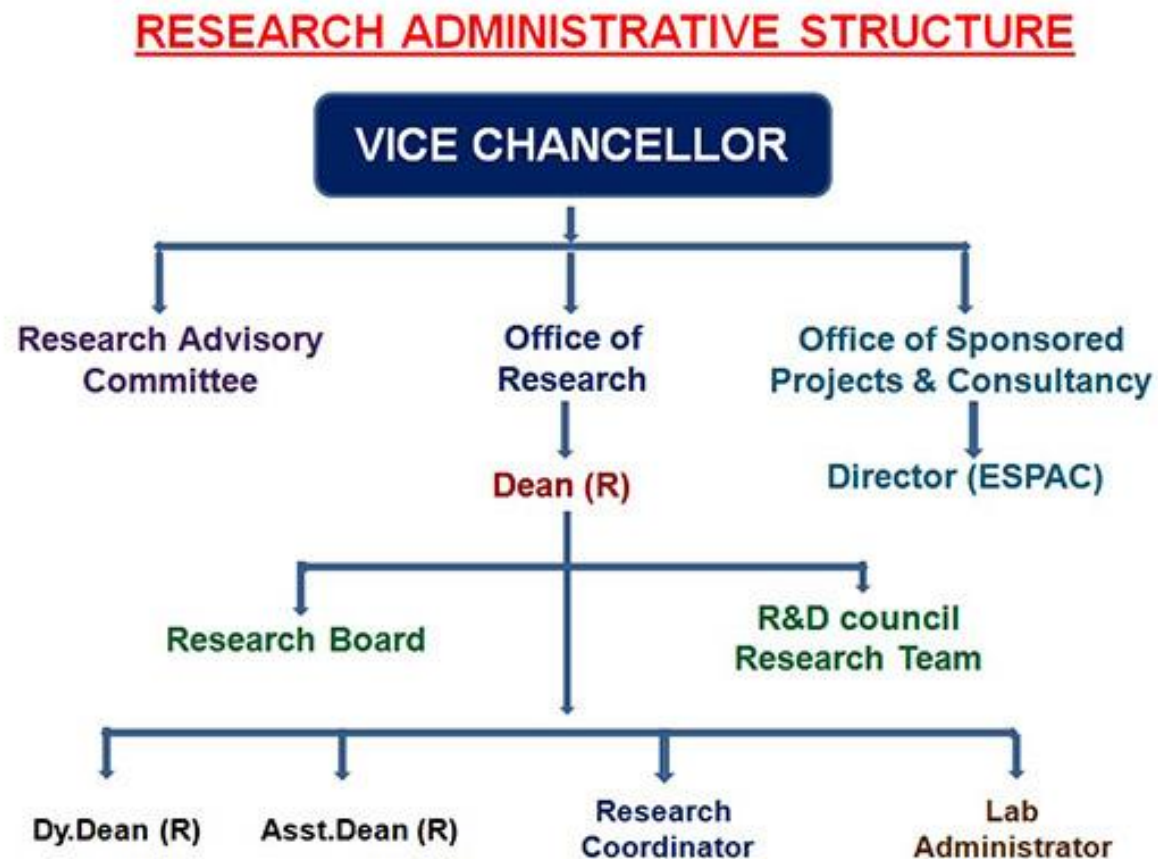
RESEARCH BOARD

The Research Board is an Internal Committee to oversee the academic research activities of the Institution. The major functions of the Research Board are:

- o Scrutiny and recommendation of the names of faculty members for approval by the Vice Chancellor to act as Supervisors, for Ph.D. / M.Tech. (By Research) / M.Phil. Scholars.
- o Scrutiny and recommendation of Ph.D. / M.Tech. (By Research) / M.Phil. Scholars application after interview by the various committees for final approval by the Vice Chancellor
- o Determination of equivalence of PG educational qualifications, regulations etc. and other related matters.

Apart from Research Board, the institute has a well organized structure for research and Vice chancellor is the chairman. Each research category mentioned above is monitored by Dean (Research), Director (ESPAC) and CEO (CIIC) respectively. The research Board formulates and updates research policies as per the UGC norms, recommends faculty for

approved research supervisors, takes all strategic decisions. The Institute – Administrative structure for monitoring research activities is given below.



ACHIEVEMENTS OF STUDENTS / SCHOLARS:

❖ Ph. D. Degree from BSACIST.

- **Twenty six** Ph.D. scholars and **Two** M.Tech (By Research) scholars were awarded degree during the Eighth Convocation held on 16.12.2018. The details of the awarded scholars are as follows:

Sl. No.	RRN No.	Title of the Thesis	Name of the Scholar	Name of the Supervisor
1.	1086210	Adaptive trust model with attestation for software services in cloud environment	Mr. S. Udhaya Kumar	Dr. Latha Tamilselvan,
2.	1192204	Teaching Academic Writing to the Students of Engineering using Multimedia Tools an Experimental Study	Mr. Vijayakumar. S	Dr. A. Shahin Sultana
3.	1289214	Analysis of Risk factors of Heart Disease Using Decagonal Fuzzy Models	Ms. A. Divya	Dr. P. S. Sheik Uduman
4.	0994201	Enhanced Routing and Queue Management Techniques for Performance Improvement in Mobile Ad hoc Networks	Mr. M. Syed Masood	Dr. P. Sheik Abdul Khader
5.	0994202	Integrated Proactive and Reactive Failure Handling Strategies to improve the	Ms. P. Latchoumy	Dr. P. Sheik Abdul Khader

		Services in Computational Grid		
6.	1086214	Development of Confidentiality, Integrity, Authentication Model for Assuring Data Security in Cloud Computing	Ms. P. Veeralakshmi	Dr. Latha Tamilselvan
7.	1188201	A Concept of Plural Society in Quran and Hadeeth	Mr. S.A. Usman Ali	Dr. P.S. Syed Masood Jamali
8.	140903101003	Synthesis and Characterization of Rare Earth Doped Molybdate and Tungstate Phosphors for Lighting Applications	Mr. Mahalingam V	Dr. I. Raja Mohamed
9.	1390118	Nano Composite Thin Films	Ms. A. Sathiya Priya	Dr. I. B. Shameem Banu
10.	1384118	Analysis on the Performance of Energy Efficient Routing and Fault-Tolerant Data Aggregation Algorithms for Wireless Sensor Networks	Ms. V.K. Subhashree	Dr. C. Tharini
11.	0991205	Synthesis and characterization of imidazole derivatives	Mr. R. Jaya Prakash	Dr. D. Easwaramoorthi
12.	1187205	Client Aware Cloudlet Framework in a Service Cloud Environment	Ms. Uma Nandhini. D	Dr. Latha Tamilselvan
13.	141153107003	Biophysical analysis and investigation of the immunomodulatory and mitogenic	Ms. Lavanya V	Dr. Shazia Jamal

		facets of jacalin, a dietary lectin		
14.	1186223	Performance Enhancement Techniques of Voice Over IP Telephony	Ms.Saira Banu	Dr. R. Shriram
15.	130873707001	A Multi Criteria Recommendation Engine for Cloud Renderfarm Services	Mrs. Ruby Annette J.	Dr. W. Aisha Banu
16.	141153107006	Screening of the Antioxidant, Anticancer, Antimetastatic and Immunomodulatory Activities of Marine Algae in Cancer	Ms. Fazeela Mahaboob Begum S M	Dr. S. Hemalatha
17.	1391140	Synthesis and Characterization of Functionalized 1,2,3-Triazoles Through Azide-Olefin [3+2] Cycloaddition	Mr. D. Gangaprasad	Dr. K. Karthikeyan
18.	1087202	Externalization of Expert's Knowledge in E-learning Environment	Mr. P. Gnanasekaran	Dr. T. R. Rangaswamy
19.	1094205	Personalized and Optimal Ranking System for Recommendation in heterogeneous Social Media Environment	Ms. Shreedevi G.	Dr. M. Munir Ahamed Rabbani
20.	1187204	Relative Stability based Routing Protocol for Mobile Ad Hoc Network	Ms.Shakkeera L	Dr. Latha Tamilselvan
21.	1194209	Efficient Contrast – Enhancement Methodologies Based on Modified Histogram Equalization Technique for	Mr. A. Abdul Azeez Khan	Dr. P. Sheik Abdul Khader

		Improving Face Recognition Accuracy		
22.	1194211	Programmed Cell Death and Autophagy Mechanisms are Critical Players During Saline Stress in <i>Oryza Sativa</i> L	Mr.K.Javubar Sathick	Dr. A. Jaya
23.	131153701003	Energy-efficient Adaptive Optimization Framework for Mobile Cloud Computing	Mr. Mohd Shahanbaj Khan	Dr. S. Hemalatha
24.	0994203	Enhanced Hybrid Classifier Techniques using Grey Wolf Optimization for Improved Detection Accuracy	Ms. Vidhya Sathish	Dr. P. Sheik Abdul Khader
25.	1392106	Teaching English to the Children (Upper Primary Level) of Government Schools in Jammu and Kashmir State through Task-Based Approach: An Experimental Study	Mr. Nazir Ahmad Mir	Dr. A. Shahin Sultana
26.	1181206	Study and Analysis of Appropriate Spot Weld Distribution among the Welding Stations of Body Shop to improve Quality and Productivity	Mr. Selvam G.	Dr. S. Prince Arockia Doss
M.Tech (By Research)				
27.	1260202	Development and performance Evaluation of Polymer Based Heat reflective waterproofing system	Mr. Eliass A Latiff	Dr. M. S. Haji Sheik Mohammed

28.	1260201	Strength and Durability Studies on Ferrocement Slab Panels for Suspended Roof	Mr. M. Mohamed Ibrahim	Dr. M. S. Haji Sheik Mohammed
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❖ Viva-Voce Exam completed

- **Ten** Ph.D. scholars have completed the Viva Voce Examination.

Sl. No.	Name	Dept.	RRN	Name of the Supervisor	Date of Viva Voce
1.	Ms. J. Hemalatha	Management Studies	1093209	Dr. S. Panboli	18.02.2019
2.	Mr. Zameer Gulzar	CA	14094370 1002	Dr. L. Arun Raj	22.02.2019
3.	Mrs. R. Mervin	CSE	1286229	Dr. A. Jaya	08.03.2019
4.	Ms. B. Vidhya	EEE	1383116	Dr. Y. Mohamed Shuaib	18.03.2019
5.	Mr. V. Thyagarajan	ECE	0984201	Dr. S. Kaja Mohideen	26.04.2019
6.	Ms. S.V. Shri Bharathi	CSE	1186227	Dr. Angelina Geetha / Dr. Md. Khurshid	08.05.2019

				Alam Khan	
7.	Mr. D. Mukundan	Chemistry	1191224	Dr. S. Kutti Rani	09.05.2019
8.	Ms. D. Buvana	EEE	1083205	Dr. R. Jayashree	27.05.2019
9.	Mr. S. Baskar	Mechanical	1381118	Dr. S. Prince Arockia Doss	26.06.2019
10.	Mr. J. Purushothaman	Mechanical	1381119	Dr. S. Rasool Mohideen	03.07.2019

❖ Thesis Submitted

- **Eighteen** Ph.D. scholars have submitted their Thesis and sent for evaluation

❖ Synopsis Submitted

- **Ten** Ph.D. scholars have submitted their Synopsis

❖ Pre Synopsis Review completed

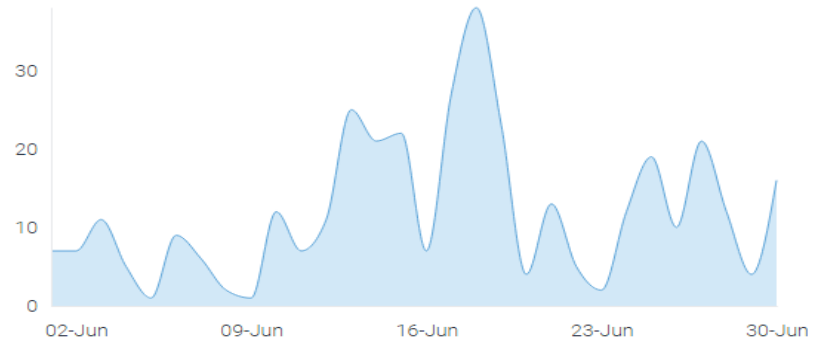
- **Twelve** Ph.D. scholars are recommended for Synopsis submission after Pre Synopsis Review Committee meeting.

TURNITIN INFORMATION IN MAY 2018

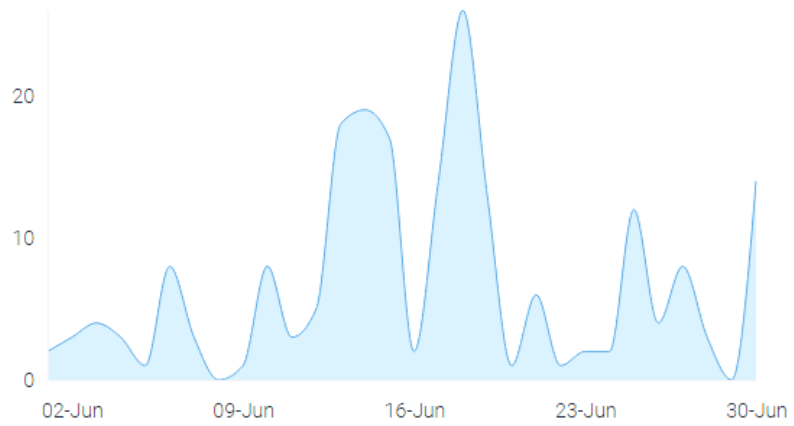
- **All the final year students of U.G and P.G used to verify their project report in turnitin software.**

Overview

Submissions



High Similarity Reports*



Ph.D ADMISSION

- Admission for the Ph.D. programme is twice in a year, i.e, during **January & July**.
- The application form from can be obtained from the office of Director (Admissions) of B.S. Abdur Rahman Crescent Institute of Science & Technology or can be downloaded following website link <http://www.crescent.education/admission-for-research-scholars>
- The filled in application along with a Demand Draft (DD) for Rs.1,000/- (Rupees One Thousand only) should be submitted to
Director (Admissions),
B.S. Abdur Rahman Crescent Institute of Science & Technology,
Seethakathi Estate, Vandalur, Chennai-600048,
Phone:+91-44-22759236 / 22759200 / 9543277888, Extn: 122 / 124 / 223
- For Enquiries, please contact
- admissions@crescent.education
- dean.academicresearch@crescent.education

SCHEDULE OF ADMISSION EVENTS

- Schedule of Ph.D. Admission process for Ph.D. Programme will be uploaded in the Institution Website **two months** in advance to the admission every semester.

The schedule followed in the January 2019 session is shown below

S.No.	Description	Date	Day
1	Ph.D. admission advertisement will be released in Institution website	17.10.2018	Wednesday
2	Ph.D. admission advertisement will be released in News Papers	14.11.2018	Wednesday
3	Last date for submission of application	30.11.2018	Friday
4	Dispatch of applications to respective departments for scrutiny and to find out the eligibility	05.12.2018	Wednesday
5	Individual departments will submit the list of eligible candidates to the office of Dean (R)	06.12.2018	Thursday
6	Call letters will be sent to the eligible candidates by e-mail / post	10.12.2018	Monday
7	Entrance examination and interview	19.12.2018	Wednesday
8	Submission of "Minutes of the department selection committee" to the office of Dean (R)	20.12.2018	Thursday
9	Vice Chancellor's approval for the selection of Research scholars	21.12.2018	Friday

10	Publication of Results in our Institution website	26.12.2018	Wednesday
11	Admit card will be sent to selected candidates by e-mail / post	27.12.2018	Tuesday
12	Admission to Ph.D. Programme for Jan 2019 session	03.01.2019	Thursday

Foreign Candidates Ph.D. Admission:

Around **ten** candidates from Ghana country was admitted in Jan 2019 session. They will come and join in July month and stay here for every four months in a year to complete their course works.

FACULTY MEMBERS PURSUING Ph.D

No. of full time regular faculty	–	370
No. of faculty with Ph.D. qualification	–	173
No. of faculty pursuing Ph.D.in BSACIST	–	100
No. of faculty pursuing Ph.D.in other universities	–	25
No. of Approved Research Supervisors	–	131

- The research scholars of B.S. Abdur Rahman Crescent Institute of Science & Technology are encouraged to publish research papers only in Peer Reviewed (Refereed) Indexed Journals with high impact factor.

➤ Advised to avoid publications in Predatory Journals.

[List of Journals](#) detail is available in the following Institution website

<http://www.crescent.education/List-of-Journals>

- [Scopus Indexed Journals list – May 2019](#)
- [Potential Predatory Journal & Publishers as per Beall](#)
- [Journal Impact Factor – 2018](#)
- [Link for Web of Science indexed journals](#)
- [Articles with at least 10 citations](#)

RESEARCH PUBLICATIONS

- A significant number of papers based on the research work and project works have been published by the faculty members and the research scholars in International and National Journals.
- Apart from these, they present papers in International and in National Conferences.

RESEARCH OUTPUT

No. of publications in Journals for the year 2018	269
No. of publications in Conference proceedings for the year 2018	110

	International Journals	National Journals	International Conference Proceedings	National Conference Proceedings
Indexed	201	40	20	01
Non Indexed	11	17	83	06
Total Publications: 379				

CITATION TREND

- **Scopus h – index** **42**
- **Scopus citation** **1513**
- **No. of Citation** **9304**
- **Average Citation index** **5.594**
- **Average Impact factor** **1.554**

Scopus h-index of BSACIST = 42			
S.NO	SCHOOL	DEPARTMENT	SCOPUS H-INDEX
1	School of Mechanical Sciences	Mechanical Engineering	12
		Automobile Engineering	2
2	School of Infrastructure	Civil Engineering	5
3	School of Physical And Chemical Sciences	Physics	26
		Chemistry	18
4	Crescent School of Business		2
5	School of Electrical and Communication Sciences	Electrical & Electronics Engineering	13
		Electronics & Communication Engineering	7
		Electronics & Instrumentation Engineering	6
6	School of Computer, Information And Mathematical Sciences	Computer Science & Engineering	8
		Information Technology	7
		Computer Applications	6
		Mathematics & AS	9
7	School of Life Sciences		11
8	Polymer Nano Technology Centre		12

CONSOLIDATED TABLE

Description	No.
No. of Scholars pursuing Ph.D.	510
No. of M.Tech (By Research) Scholars	3
Faculty members pursuing Ph.D. (Internal)	100
No. of candidates admitted for Ph. D. Programme in July 2018 session	19
Thesis Submitted in the year January 2018	18
No. of Ph.D. degree awarded in the year 2018	26
No. of Scholars who submitted Synopsis in the year 2018	10
No. of BSA fellowships for Ph.D. Scholars	29
No. of Govt. fellowships	21
No. of Research Supervisors in BSACIST	131

RESEARCH PULICATIONS WITH MORE THAT 10 SCOPUS CITATIONS

- Research Paper with Highest number of citations = 219
- No. of papers with more than 10 Scopus citations = 225

RESEARCH ACTIVITIES

- Three days Workshop on **“Writing Quality Research Articles, Project Proposals and Patents”** (20 - 22 JULY 2018) Dr. Subhendu Chakrabarti, Chief Scientist, CLRI and Dr. Nikhil A Gokhale, Enago Academy, Mumbai are external resource persons and provided inputs on patenting process.



- A seminar on “How to write project proposal in International collaboration projects” organized on 2nd November 2018. Dr. C. Sivaji, senior scientist, Head, International Division, Department of Science and Technology (DST), Govt. of India, New Delhi was the resource person. He gave a talk on sharing all DST activities to promote Science and Technology in India. He also discussed on various topics of interest for sponsored R&D projects and also international collaboration projects.



- Onsite training Seminar on **“Turnitin’s User Awareness Program & Similarity Check”** on 20.11.2018. Mr. Akshay Prasanna, Customer Success Manager – Turnitin was the speaker started off right away, by clarifying what is plagiarism and its effect to an Institution?



- Introduction to **Anveshan- Student Research Convention** – 2019 was organized on 5th December 2018. Prof. T Harianarayana sir has addressed all the research scholars regarding importance of Anveshan- Student Research Convention – 2019.



- One Day Workshop on **Qualitative Writing of Sponsored Project Proposals** held on 04-01-2019. The Resource Person was Dr. K. Gopalakrishnan, Dean (Research & Development), from New Horizon College of Engineering, Bangalore.



- A one-day Workshop on “**Data Analysis and Visualization Using R**” was held on 14th March 2019 for internal faculty members. The program was addressed by Dr. A. Azad, Registrar, Prof. T Harinarayana, Director and Dr. K. Prabhakar, Research Coordinator in the programme.



- Two Days workshop on “**Data Analytics and Data Visualization using R**” was held during 21st and 22nd February 2019. Dr. K. Prabhkar, Dr. E. Syed Mohamed, Mr. R. Pari, Ms. B. Pushpa, and Ms. V. Jean Shilpa delivered the lecture to external candidates.



THESIS AWARDED DEGREE

- No. of Ph.D. Thesis Awarded Degree: **26 Nos.**
- Department wise details are shown in table

S.No	Department	No.
1.	Chemistry	2
2.	Civil	0
3.	Computer Applications	6
4.	CSE	3
5.	ECE	1
6.	English	2
7.	Information Technology	4
8.	Islamic Studies	1
9.	Life Sciences	3
10.	Mathematics & AS	1
11.	Mechanical	1
12.	Physics	2
	Total	26

FUTURE PLANS

- To attract International scholars to pursue collaborative quality research
- To offer Post Doctoral Programme in all the departments
- To achieve a h-Index of 100 in the next 10 years
- To become an Institution with all faculty members having Ph.D. Qualification
- To initiate more Collaborative research work with premier Universities & Industries
- To create more centres of excellence for advanced studies and research

**CENTRE OF ENERGY, SPONSORED PROJECTS,
INTEGRATED RESEARCH AND CONSULTANCY (ESPIRAC)**

Centre of Energy, Sponsored projects, Integrated Research and Consultancy (ESPIRAC), More than 82 funded research projects in the tune of **Rs. 2552.14** Lakhs are submitted for funding by the faculty members. Projects to the tune of **Rs.516.33** Lakhs sponsored by funding agencies like DST, DRDO SERB, DBT, UGC-DAE, and Industry are sanctioned / ongoing.

MOU WITH ACADEMIC INSTITUTIONS/FACULTY (INDIA AND ABROAD)

S.No	Department	Name of the University	Collaboration
1	ECE	Prof. B. Vijayalakshmi, Professor, ECE and Ms. SindhubalaKarirvelu (Research Scholar) Purdue University, West Lafayette, USA.	Overseas Visiting Doctoral Fellowship Scheme. From 02.04.2019 – 30.06.2019) (SERB-BSARCIST – Purdue University, USA)

MOU WITH INDUSTRIES - SINCE 2019

S.No	Department	Name of the Host Institution/company	Date of Signing of MoU	Outcomes
1	ECE	Scheizophrenia Research Foundation	25th Jan. 2019	Joint project proposals

		organization (SCARF)		
2	Civil, Chemistry & Physics	Kankyo Group of companies	9th Jan. 2019	3 Pilot units established in our campus.
3	Mech & ECE	Basil Energies Pvt Ltd.	12th Mar. 2019	Joint project proposals
4	Management	Chennai Lever Foundation	23rd Apr. 2019	Joint project proposals

SPONSORED PROJECTS – 2018-19

S.No	Sponsored Project Details	Nos	Amount (In Lakhs)
1	Sponsored Projects -Submitted during 2018-19 (Details Enclosed)	82	2552.14 Lakhs
2	Sponsored Projects -Sanctioned / Ongoing 2018-19 (Detail Enclosed)	114	516.33 Lakhs

CONSULTANCY PROJECTS – 2018-19

<u>S.No</u>	Consultancy Project Details	Nos	Amount (In Lakhs)
1	Testing / Consultation Work (Detail Enclosed)	41	3.27 Lakhs

CORPORATE TRAINING -2018-19

<u>S.No</u>	Corporate Training Details	Nos	Amount (In Lakhs)
1	Corporate Training (Detail Enclosed)	2	3.71 Lakhs

PATENT -2018-19

<u>S.No</u>	Patent Details	Nos
1	Patent (Detail Enclosed)	3

Accreditation, Ranking & International Collaboration

ACCREDITATION

UGC Report for the Continuation of “Deemed to be University” status and UGC Compliance Report :

- Dr. R. Raja Prabu, Director (ARIA) prepared a comprehensive report on the performance of our institute as per the template of UGC and the same was submitted to “UGC Expert Committee”, which visited our institute during January 29-31, 2018.
- Based on the feedback and observations of the UGC Expert Committee, a compliance report was also prepared and submitted to UGC & MHRD, based on which the “continuance of Deemed to be University Status” has been awarded to our institute, perpetually.
- Also, a report was prepared for the change in name of our institute and the same has been approved by MHRD.
- The UGC Compliance Report has been made ready and submitted to UGC on 30th August 2018
- Similarly, the AICTE Compliance Report was prepared and submitted to AICTE on 10th December 2018

NAAC :

- Preparation for II Cycle of Accreditation by NAAC is in full swing
- The validity of first cycle of NAAC Accreditation will be over by 5th May 2019.
- During our preliminary preparations for the accreditation by NAAC, we found that



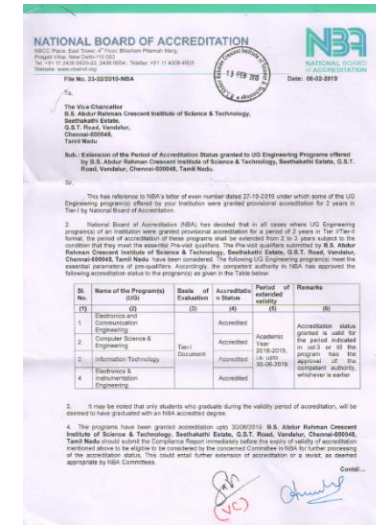
the overall framework is completely revised by the NAAC

- Hence, an awareness workshop on “Revised Accreditation Framework of NAAC Accreditation” was organized on 10th July 2018 for all the stakeholders of our Institute. Dr. S.P. Thyagarajan Sir, Former Vice Chancellor, University of Madras & Professor of Eminence & Dean (Research) Sri Ramachandra University and very esteemed and distinguished professor Dr. C. Thangamuthu Sir, Former Vice Chancellor, Bharathidasan University, have delivered the lecture about the revised accreditation frame work during the Awareness Workshop.
- A high level working committee is also constituted by our VC to execute the preparation for the second cycle of NAAC Accreditation.
- In connection with the same, Director (ARIA) convened several meetings among the Chairpersons to review the progress for NAAC.
- In continuation of several review meeting, the fifth review meeting was planned to be a more focused and intensive one. Hence, a retreat kind of review process “NAAC Retreat” was organized during Nov 22nd – 24th, 2018 at Hotel Grand Sheraton, Chennai.
- After the NAAC Retreat Meeting, Chairpersons of the Seven Criteria were requested to submit all the documents along with the documental evidences and hence, all the same was submitted for “Mock Evaluation and Validation” by an external consultant.
- After, the mock evaluation and gap analysis done by the External Experts, the Chairpersons of the 7 Criteria are requested to enhance the “output of our data collection” and “strengthen the reports”.
- The revised target dates for major milestones in the NAAC Accreditation process is already communicated to all the stake holders and the “Online Submission” of Application for II cycle of Accreditation, in the NAAC Web portal by Crescent is expected to be on 1st July 2019.

NBA Batch : 4 (Application No 1539 - 09.09.2015)

The validity of accreditation by NBA for the following Five UG programmes has been expired on 30.06.2018.

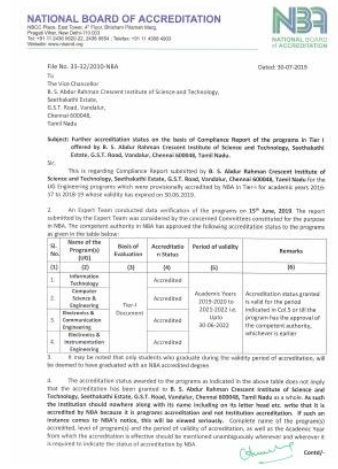
- B.Tech. (Computer Science & Engineering)
- B.Tech. (Information Technology)
- B.Tech. (Electronics & Communication Engineering)
- B.Tech. (Electronics & Instrumentation Engineering)
- B.Tech. (Civil Engineering)



In order to extend the duration, NBA has requested us to submit the Pre-Qualifier Report and hence the Pre-qualifier report has been made ready and submitted to the Member Secretary, National Board of Accreditation, New Delhi.

After the scrutiny of the same, the NBA awarded the “Extension of Approval” for the programmes B.Tech. (CSE), B.Tech. (IT), B.Tech. (ECE) and B.Tech (EIE)

- Since, the Extension of Approval is getting expiry on 30.06.2019, the Second Cycle of Accreditation process has been initiated and hence the application for Second cycle of Accreditation was submitted on 2nd April 2019
- Accreditation Fee of Rs. 4,13,000/- (Rupees Four Lakhs Thirteen Thousand only) has been paid on 15th April 2019



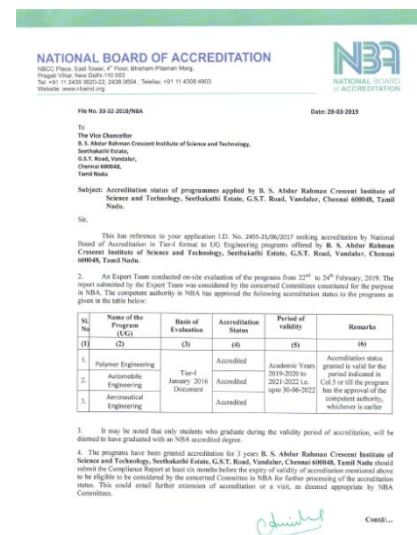
- Compliance Report of the 4 departments viz., B.Tech. (ECE), B.Tech. (CSE), B.Tech. (IT) and B.Tech. (EIE) have been re-submitted on 17th May 2019.
- Based on the same, the NBA Expert Team has visited our University during 15th June 2019 (Saturday) and sanctioned the approved status from 2019-22 (3 years).

NBA Batch 5: Application No: 2455-21/06/2017

- After several rounds of scrutiny, the Self Assessment Reports (SAR) of the following four programmes are made ready and the same has been uploaded in the e-NBA web portal on 30th June 2018 by our Vice Chancellor and by the respective Head of the Departments:

1. B.Tech (Automobile Engineering)
2. B.Tech (Aeronautical Engineering)
3. B.Tech (Polymer Engineering)
4. MBA – Master of Business Administration

- The NBA Expert Team consists of Eight Programme Experts and headed by one Chairman Dr. Pashupati Nath Singh, (Former Director, NIT Surathkal), visited our Institute during February 22 – 24, 2019 and evaluated the preparations and progress made by the Department of Aerospace Engineering, Automobile Engineering, Polymer Engineering and MBA.



- The NBA Awarded Accreditation for the Programmes B.Tech. (Polymer Engg), B.Tech. (Aeronautical Engg.) and B.Tech. (Aerospace Engg.) for three years.
- The result for MBA is awaited.

AICTE

One Day workshop:

- The All India Council for Technical Education (AICTE) has chosen “our Crescent” to organize the “Southern Regional Workshop” on “the concept of Internship to Technical students”. This workshop was conducted on 9th October 2018 (Tuesday) at our Convention Center. The participants for this workshop were various Stakeholders / Experts from different Institutes and Industries from the States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, Telangana and Union Territory of Puducherry. Around 600+ participants have been participated in the workshop.
- As this was the “Proud Occasion” for Crescent, the Management and the Vice Chancellor conducted the workshop in a befitting manner.

Compliance Report:

- In continuation of the AICTE Expert Committee’s visit during our campus January 29-31, 2018, for the Approval of Sanctioned Strength, we are asked to submit the compliance report for the specific queries raised by the expert Team.
- Dr. R. Raja Prabu, Director (ARIA) prepared a comprehensive report and submitted the same to AICTE, New Delhi, during 10th December 2018.

Approval Process for the year 2019-20:

- As per the directions of Supreme Court of India, we have participated in the AICTE Approval process for the Academic Year 2018-19 and we have been granted the approval.
- In continuation of the same, we have submitted our application through AICTE web portal for the Extension of Approval for the year 2019-20 during 9th February 2019.
- As an initial scrutiny, we were asked to submit the relevant documents to the Southern Regional Office of AICTE, Chennai, on 23rd February 2019.
- The Central Committee has visited our campus for the scrutiny process on 19th March 2019.
- The Senior Professor(s) of this institute attended the “Standing Hearing Committee” conducted by AICTE at New Delhi for further scrutiny process on 29th March 2019.
- After several scrutiny process, AICTE Awarded “Extension of Approval” for the Academic year 2019-20 on 21st May 2019.

All India Council for Technical Education
(A Statutory Body under Ministry of HRD, Govt. of India)
New Delhi-110016, India. Tel: 011-26301700. Website: www.aicte.org

APPROVAL PROCESS 2019-20
Extension of Approval (EoA) - Congenium

F No. Southern+42622308201919EoACongenium-1 Date: 21 May 2019

To,
 The Principal (Institute)
 Higher Education Dept. of Tamil Nadu,
 D. U. S. Road, (New Government),
 Chennai-600002.

Sub: Extension of Approval for the Academic Year 2019-20

Ref: Application of the Institution for Extension of Approval for the Academic Year 2019-20
 CD Application No. F No. Southern+42622308201919EoA, 30 Jan 2019
 Congenium-1 F No. Southern+42622308201919EoACongenium-1 21 May 2019

Sir/Madam,

In partial modification of the letter F No. Southern+42622308201919EoA and in terms of the provisions under the All India Council for Technical Education (Grant of Approval for Technical Institutions) Regulations 2018 notified by the Council vide notification number F.No.AEACTE/REG/2018 dated 27.02.2018 along with norms, standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval as follows:

Registration No.	7-20070-0101	Application No.	42622308201919EoA
Name of the Institute	B E & C Consultant Institute Of Science and Technology	Name of the Society/Trust	B E & C CONSULTANT INSTITUTE OF SCIENCE AND TECHNOLOGY
Institute Address	CEI PUCS, VANDALUR, CHENNAI - 600046, TAMIL NADU, INDIA E-MAIL: info@cei.ac.in	Society/Trust Address	1, SOOREE ROAD, CHENNAI, TAMIL NADU, INDIA
Institute Type	Private University/Trust	Region	Southern
Opted for Change from Women to Co-Ed and Vice Versa	No	Opted for Change of Site	No
Change from Women to Co-Ed and Vice Versa Approved as per	NA	Change of Site Approved or Not	NA
New Name After Change from Women to Co-Ed and Vice Versa	NA	New Site Address after change of Site Approved	NA
Opted for Change of Name	No	Opted for Conversion from Degree to Diploma	No
Change of Name Approved as per	NA	Opted for Conversion from Diploma to Degree	No
New Name After Institute Name Change Approved	NA	Conversion of Degree to Diploma or vice versa Approved as per	NA
Opted for Organization Name Change	No	Opted for Merger of Institution	No
Change of Organization Name Approved as per	NA	Merger of Institution Approved or Not	NA
Opted for Introduction of New Programmes	Yes	Introduction of Programmes Approved or Not	Yes

To conduct Intensive Courses with the Details indicated below for the Academic Year 2019-20

Application No: 42622308201919EoA
 Date: 21 May 2019
 Issued By: 42622308201919EoA
 Printed By: 42622308201919EoA

Page 1 of 8
 Letter Printed On: 21 May 2019

RANKING

Institutional Swachhta Ranking:

- Recently, MHRD, Government of India, has organized, “Institutional Swachhta Ranking 2018” as a part of Swachh Bharath, in which, our institute has been participated for the same. A committee has been visited on 12th September 2018 (Wednesday), to access our performance in respect of “Cleanliness & Hygiene”.
- The committee visited the entire campus and accessed the performance of Canteen, Hostels (both Men & Women), Medical Hall, especially Waste Management, Sanitation and Hygiene in Bathroom and Toilets both in Academic Area and Hostels etc.



NIRF India Ranking:

- As per the direction of our Vice Chancellor and Board of Management, our institute is participating in the NIRF India Ranking 2019 for the Fourth time.
- In connection with the same, a committee has been constituted to collect all the relevant data for the following four categories,
 - Engineering
 - Architecture



- Management
- Overall
- In continuation of the same, several meetings have been convened to fine tune all the relevant documents and uploaded the same in the “Data Capturing System” of NIRF Web Portal during December 2018
- NIRF awarded Crescent “AIR 131” in the “Engineering Institutions Category”

QS World University Ranking 2020 :

- As per the direction of our Vice Chancellor, our institute participated by way of submitting respective data in the QS World University Ranking 2020.
- In connection with the same, a committee was constituted to collect all the relevant documents and submitted the same in the QS Web Portal during February 2019
- The results are awaited.

Data Quest :

- As per the direction of our Vice Chancellor, in order to improve our prospectus of getting ranked in the “Best Tech School Survey” conducted by the prestigious “Data Quest”, as done earlier, this time also we have collected all the necessary details and participated in the Data Quest Survey during February 2019.
- Data Quest T-School Survey has ranked our "Crescent" as follows, in their 14th Edition of National Level T-School Ranking.
 - **All India Ranking "3"** in Private T-Schools
 - **All India Ranking "9"** in the Overall Rankings
 - **South Zone Ranking "5"**

TIMES Higher Education THE World University Ranking:

- TIMES Higher Education (THE) has invited “Crescent” to participate in the “THE World University Ranking process. Therefore, a committee has been constituted (i) to understand the requirement of THE Ranking Process, (ii) To collect the required data and (iii) to submit the same in the prescribed format, in the THE Web Portal .
- The data has been submitted in the World University Ranking Portal on 30th March 2019 and the results are awaited.

The Higher Education Magazine:

- The Higher Education Magazine in the IIRF - Annual Ranking 2019 Survey, has ranked our "Crescent" as follows :
 - **All India Rank 28** - Best Private Universities Category – Indian Institutional Ranking Framework 2019**RATING**

QS IGauge Rating Process:

- B.S. Abdur Rahman Crescent Institute of Science and Technology has participated in the **QS IGauge Rating Process**. QS IGauge Rating is specially designed to audit the quality of higher education institutions in India. This rating process involves two different aspects, viz. (i) Critical Data Input Sheet – provided by the Institute and (ii) Independent Survey among the Stake Holders.
- In connection with the same, the Data Entry Form has been prepared with all the relevant documents and submitted in the QS IGauge on 6th September 2018. Similarly, the online surveys among the stake holders have been collected by QS IGauge itself.
- “Diamond Rating” has been awarded for the Overall Performance of our institute. The certificate was sent to us on 28th January 2019.



I-CARE Rating :

- B.S. Abdur Rahman Crescent Institute of Science and Technology has participated in the **I-CARE Rating Process** and got awarded 4-STARS out of 5-STARS

INTERNATIONAL AFFAIRS

UiTM Malaysian Students Visit:

- Crescent has organized a “Study Abroad Programme cum Project Internship” for the students of UiTM, Sarawak, Malaysia for a period of 45 days from 11th July to 28th Aug 2018.

The following UiTM Students have undertaken the project work at Crescent,

- Mr. Mohd Najmi Bin Mazlan
- Mr. Vieira Lee
- Mr. Zainazrul Farhan Bin Mohd Zainal
- Mr. Edward Gindi Anak Bandal
- Mr. Christopher Kedal Anak Richard
- Mr. Muhammad Haziq Bin Baki



University of Missouri, USA

- B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India have signed an MoU with University of Missouri (MU), Columbia, USA, to promote the Academic, Research and Extension activities between the two universities.
- The following senior faculty members from MU visited us, during October 28-31, 2018.

- **Dr. James K. Scott**, Interim Vice Provost - International Programs, Director - International Center, MU
- **Dr. Jerry Parker**, Vice Dean for Research, School of Medicine, MU
- **Dr. Anandhi Upendran**, Director, Biomedical Innovations Institute of Clinical and Translational Sciences, (MU-iCATS), School of Medicine, MU

➤ In order to strengthen the collaboration with University of Missouri, USA, a “*Mizzou - Crescent Collaboration Center*”, has been inaugurated on 30th October 2018

Guest Lectures by the International Speakers Organized by Office of Director (ARIA) during the period Aug 2018 to Feb 2019 :

S. No.	Name of the Speaker	Topic(s)	Name of the University	Date
1.	Prof. Razi Nalim	Digitization of Higher Education for quality	Purdue University	06.12.2018
2.	Dr. Jerry Parker	conducting strategic research	University of Missouri, USA	26.10.2018 to 31.10.2018
3.	Dr. Krishnaswami Srihari	Higher Education	Binghamton University, SUNY, USA	07.01.2019
4.	Prof. Tanaka	Internet of Things	Kyushu Institute of Technology, Japan	21.01.2019
5.	Masters Programmes	Higher Education	University of Twente, Netherland	24.01.2019

6.	Dr. Emma	Interaction with Students	University of Hull, UK	05.02.2019
7.	Dr. Sc. Math Dr. Albert Faessler	Fast Track to Differential Equations and MathArt	Bern University of Applied Sciences, Switzerland	06.02.2019
8.	Dr. Matt Greenberg, Director	International Study Programme	University of Wisconsin, USA	15.02.2019
9.	Professor Mohammad Khasawneh	Assistant Director for Health Systems, Watson Institute for Systems Excellence	Visit of Senior Professor(s) from Watson School of Binghamton University, Newyork, USA	15.02.2019
10.	Professor Peter Partell	Associate Dean, Academic Affairs and Administration, Watson School of Binghamton University	Visit of Senior Professor(s) from Watson School of Binghamton University, Newyork, USA	15.02.2019

OTHERS

Faculty Development Programme:

- The Faculty Orientation Programme for the newly joined faculty members of B.S. Abdur Rahman Crescent Institute of Science and Technology was conducted on 13th August 2018. Dr. R. Raja Prabu, Director (ARIA) delivered a presentation to the newly joined



faculties about the importance of Accreditation and Ranking process and their impact on Crescent.

- The presentation is mainly to make the faculty members to understand the following aspects,
 - The significance & sanctity of Accreditation & Ranking Processes in the Global Scenario
 - The salient features of Participating in Institutional Accreditation and Programme-wise Accreditation
 - Reasoning out the prospects of competing in the National and International Rankings
 - Endeavor to raise the profile and increase international esteem



WOSA 2018:

- Director (ARIA) attended the 4th World Summit on Accreditation”, organized by NBA, New Delhi on 7th – 9th September 2018.
- WOSA provides platform to its stake holders to share their knowledge and information on accreditation.
- Theme of WOSA 2018 is “Challenges and Opportunities in Outcome Based Accreditation”

Workshop(s) Organized:

- One day Workshop on "Renewable Energy adopting Smart Technologies" by Dr. Sukumar Mishra, IIT, Delhi Professor on 1st October 2018
- One day Workshop on “Internet of things (IoT)” by Prof. Kazuaki Tanaka, Associate Professor, Kyushu Institute of Technology, Japan, on 21st January 2019

- "English Language Workshops for Madrassa Teachers" by Ms. Sarah Brandt Dymkar, World Learning, Washington DC, USA, scheduled from 28th February 2019 – 4th March 2019
- M/s. Learning Links India visited our campus on 15th March 2019 (Friday) to present a Seminar on the “Preparations for GRE and TOEFL Examinations” for the benefit of our students / Scholars.
- Global Academic Internship Programme (GAIP) is a short-term academic internship programme designed and conducted by M/s. Corporate Gurukul, Singapore in association with National University Singapore (NUS) have visited our campus and delivered a seminar on “Artificial Intelligence, Machine Learning, IoT and apprise students about the Global Academic internship programme” for the benefit of Students

International Guest Speaker:

- Dr. R. Raja Prabu, Director (ARIA) has been invited by the Ministry of Higher Education, Science & Research, Sarawak, Malaysia for a Key note Speech in the “TVET Symposium 2019” conducted on February 18-20, 2019 and represented Crescent in the same.

CENTRE FOR LEADERSHIP

OBJECTIVES

The Centre for Leadership of BSA Crescent Institute of Science and Technology is initiated with an objective to improve the leadership and behavioural quality of human resources who build business and nation. The Centre is headed by the Director, Prof.Dr.Haider Yasmeen and works directly under the guidance of the Vice Chancellor of the university who is the Chief Mentor of Centre for Leadership.

The Centre provides exclusive training on leadership to corporate executives, political leaders, senior administrators, faculty members and students of higher education institutions. The School Leadership Training Programme for senior school administrators and higher secondary teachers is also offered to support schools in establishing quality mandate in every process they undertake and in producing students with value system and vision.

The leadership training brochures for Management Development Programme, Youth Leadership Programme, Faculty Leadership Programme, Entrepreneurial Leadership Programme, Global University Administrators Training Programme, Global Leadership Training for Political and Community Leaders has been designed exclusively to meet the training requirements of different client segments and is uploaded in the University Website.

CLs uniqueness lies in their training content and delivery style, most importantly in their adaptability to client's requirements. Apart from conducting leadership training programmes, the centre also provide mentoring and coaching services to individuals and small groups, both from corporate and institutions.

The consultancy work is undertaken to enhance the leadership acumen of both industry and institution professionals and transform the whole institution to the next level of excellence. The Centre for leadership also provide student internship to potential and passionate youth who wish to enhance their core competencies in the area of human resource.

The Centre for leadership is one of its kind initiated by the Vice Chancellor of the University to cater to society, academic and business needs. The aim is to bring in quality, integrity, agility and adaptability in every individual, institution and organisation through expert interventions if they really wish to become global leaders.

ACTIVITIES

Our Vice Chancellor Dr. Sahol Hamid initiated the Centre for Leadership in August 2018. In a span of 9 months, the following activity was carried out by Professor Dr. Haider Yasmeen, the Director of CFL under the leadership of our Vice Chancellor who is the Chief Mentor for CFL

The Vice Chancellor's Training for University Administration and Management was organized from July 30th- August 2nd 2018. A total amount of Rs.1,69,000/- was sponsored by MHRD, Government of India for the programme. Thirty five delegates from other countries and states of India participated. Around 15 participants were from our institution. Our VC sir was the Principal Trainer during the Programme.



The Director of CFL offered training on “Team Building and Conflict Management” to Women Professors and Heads of Department from various colleges and Universities in the city during the “Academic Leadership Programme”

organized by JBASCollege for Women, Chennai, on 28th August, 2018. The programme was sponsored by MHRD, Govt of India.



The web content was developed thoughtfully for CFL. Brochures for Youth Leadership Programme, Faculty Leadership Programme, Global University Administrator's Training Programme and Management Development Programme was created and uploaded in the university website.



The Director, CFL attended the "UKIERI-AICTE LEADERSHIP PROGRAMME" hosted by AICTE at their Head Office, New Delhi from November 19th to Nov 22nd, 2018. The programme was jointly executed by AICTE and the British Council of India. Four trainers from Dudley College, UK trained the delegates to bring about positive change at their institution. She attended the third leadership workshop during June 2019 in Shillong.



The Chief Mentor of CFL, our VC sir provided leadership training to senior administrators during "AICTE Leadership Conference on Technical Education" organized on November 20, 2018 at the AICTE Auditorium, New Delhi.



During the first roll-out of Youth Leadership Programme, the Director, CFL imparted leadership training to students of Women's Christian College on the 24th November 2018-Saturday-8.15 am to 4.30 pm at Green Meadows Resort, Chennai. It was a paid programme.



Leadership Training for Head Masters and Principals of Higher Secondary Schools was organized on the 7th December 2018-Friday-10 am to 5.30 pm for Kancheepuram District and on 10th December 2018-Monday-10 am to 5.30 pm for Chennai District. Around 700 participants attended the programme. The event was jointly coordinated by Director, CFL and Director, UG Admission's office. Our VC was the principal trainer during the programme



The Vice Chancellor was invited by Oxford University to impart leadership training to senior Nigerian administrators during the University Governance and Leadership Programme held at Oxford, UK from 1st-4th of December 2018. He is a regular Invitee at Oxford.



Recently, the Vice Chancellor was invited as resource person for the "Leadership Academic Programme" (LEAP) on 13th March 2019 by JamiaMillialIslamia , Central University, New Delhi. His area of discussion focused on 'Academic Leadership and Blue Ocean Strategy'.



The Academic Leadership Training for academicians who are statutory members of university in different domains was organized from April 1st to April 6th 2019. A total amount of Rs.2, 96,000/- was sponsored by MHRD, Government of India for the programme. Totally 60 delegates participated in the leadership training programme. This programme was exclusively designed for our university administrators and academicians. Our VC sir was the Principal Trainer during the Programme.



The other institution where leadership training and consultancy was provided by the Director are:

- Islamia College-Vaniyabadi-25th March 2019
- KMMC- April 2019-Consultancy
- JBAS College for Women-28th August 2018
- Quidemillath College for Men-19th June 2018
- Crescent College of Education for Girls- 2nd May 2018
- Aligarh Muslim University

Future Events:

A “Vice Chancellor’s Conclave and Academic Leadership Training” will be organised by the Director, CFL at Kashmir in collaboration with Kashmir University from August 26th to August 28th 2019. The programme is being sponsored by Higher Education Department, Govt. of Jammu and Kashmir.

On September 4th, 2019, our VC, the chief mentor of CFL will be imparting leadership training during “Leadership for Academicians Programme” (LEAP 2019) at Aligarh Muslim University, to various prospective vice chancellors from different states of India. LEAP is an initiative of MHRD, India, The above achievement has brought in lots of visibility to our institution. Centre for Leadership aims to grow bigger and achieve more in years to come.

DATA CENTRE

About Data Centre

The state of art Data Centre with high end Blade Servers (4Nos), Rack Servers(5Nos) and SAN storage(10TB) worth of Rs. 1 Crore was established In the year 2010 at the annexure building of Computer Science block of B.S.Abdur Rahman Crescent University.

" The Data Centre would be to provide staffs and students of each department to have 24 hours availability and accessibility to their computing resources through wired and wireless in labs and anywhere in the campus. They can continue their lab works, CAMPIT access, Internet/Intranet and content access such as NPTEL through Streaming server "



QEEE Live Classes

University Data Centre has successfully conducted 7 Semester of the MHRD's QEEE programme Virtual courses for UG and PG students of our university.



So far QEEE classes conducted @ BSACIST

S.No.	Semester	Courses Registered	Departments Participated	Students Attended
1	Jan-2014	3	CA,IT and Polymer	120
2	Aug-2014	5	ECE,CSE,Mech & Poly	700
3.	Aug-2015	6	EIE,Civil,Aero,IT,ECE,Poly	500
4.	Jan-2016	14	EEE,MCA,IT,ECE& Polymer	900
5.	Aug-2016	5	EEE,EIE&IT	200

6.	Jan-2017	10	MCA,ECE,IT,CSE,Che& Civil	600
7.	Aug-2017	11	Civil,IT,Polymer and ECE	550

WORKSHOPS CONDUCTED

- Data Centre along with Computer Application Department, conducted a one day Workshop on "**Android & iOS Programming**" on 18th of Feb 2017.
- Organized one day workshop on "**Website Development & Soft Skills**" on 1st March, 2017.
- Data Centre along with Computer Application Department, conducted a one day Workshop on "**Problem Solving and Soft skills**" on 7th of March 2017.
- Organized Two days Workshop on "**Android Application Development**" during 1 & 2 October 2016.
- Organized Four days Workshop on **iOS Application Development** during 5, 6, 12 & 13 Nov 2016.
- Organized Two days Workshop on "**Android Application Development**" during 16 & 17 February 2017.
- Organized Two days Workshop on "**Mobile App Development using App Inventor**" during 16 & 17 March 2017.
- Organized Two Days Faculty Development Programme on **Introduction to Mobile App Development** in association with ICT Academy during 30 – 31 January 2017.



Achievements & Development Activities

- Our University was announced as best performing institution falling under the category of “**QEEE Partner**” Institutions, implying that we were amongst the best Institutions to have leveraged the QEEE program for the benefit of our UG/PG students.




- Our campus is fully connected with fibre backbone. V-LAN segmentation was done to increase the performance of Internet and WiFi Accessibility in the hostels, canteen, Departments and the entire campus.
- Labs in the school of Computer, Information and Mathematical Sciences are centralized and this leads to reducing in the no. of systems.
- These systems are distributed in the Digital Library, Common Computing Centre and hostel browsing centres.
- As directed by the management and VC a Computer Maintenance cell (CMC) is formed with Dr.P.Sheik Abdul Khader, Director Datacentre as a single point of contact for the matters relating to Computers, Networking, Procurement of Computer, Network Components, Projector and UPS .
- The Computer Maintenance cell consisting of all the system staffs will work under one roof taking care of the Network, Hardware, Software, Projector and Ups maintenance activities of the university. In this connection the following email ids are created for the queries related to system services, Network Issues, Hardware Issues and any new procurement related to Computers, Networks Components, Projectors, and UPS.
- For any request sent to the concern mail ids, the Data Centre will create a service ticket assigning the job to the corresponding resource person to sort out and the same will be intimated to the person requested and the assigned person. The same will be recorded in online data base in Data Centre. University Data Centre will monitor the process till the raised issues get solved.

- Installed 1500 iNG CYBEROAM NEXT-GENERATION FIREWALLS in our Data Centre and implemented traffic shaping, content filtering, bandwidth allocation, NATing and VPN configuration.
- A new Server Infrastructure for CAMP-IT is installed and maintained in our Data Centre
- Created and provided internet connectivity to Digital Library with 24/7 service.
with Computer Maintenance Cell (CMC) system staff on day and night shifts at IT Lab ground floor.
- Provided internet connectivity to Common Computing Centre with 24/7 service
with Computer Maintenance Cell (CMC) system staff on day and night shifts at Mechanical sciences block.
- Revamped the entire BSAU networks (Flat structure to V-LAN segmentation) with L2 and L3 manageable Switches.
- Microsoft Licence has been renewed for the Year 2018, Rs. 17 Lakhs/- paid to Microsoft.
- New Fibre cable laid between University Data Centre and General Stores and Tamil Nadu Pollution Control Board.
- Optic Fibre connectivity provided to the new Staff Quarters.

- Optic Fibre connectivity provided to the new ladies hostel buildings.
- Airtel 40 MBPS wireless internet connectivity provided to the VC Villa and VC Office.
- Wireless connectivity provided (45 Access Points) in New Mech, Canteen building and VC villa.
- Procured an additional **Fortigate 500E** Firewall for scaling up gateway security and load balancing due to increased in student strength for this year 2018-2019.
- Installed and configured INFLIBNET Server with Public IP to enable remote access of the e-Journals for the benefit of faculty and Research Scholars.
- Completed and fixed the LCD Projectors (50 Nos) procurement for NAAC adherence on ICT enabled teaching class room.
- Procured and installed the 150 No's of Desktop Systems based on request from the various departments and replacement of scraped systems.
- Procurement process started to install 16.8 Ft X 8.4' Ft LED Wall for main Auditorium.
- Created a new lab for Robo Lab with 40 No's of All in One Desktop System.



CRESCENT INNOVATION AND INCUBATION COUNCIL



S.no	Program Details	Date	Photos
1	Felicitation at Tamilnadu Entrepreneur Empowerment Conference	9 th November 2018	
2	Inauguration of WIEF-UEF Round table Series	10 th November 2018	
3	Crescent Team at WIFE-UEF Round table Series	10 th November 2018	

4	Dato Dr.Vaseegar Hassan, Professor, INSEAD Visited CIIC	11 th November 2018	
5	Presentation at Leadership Course for Business Incubators — at Bangalore Bioinnovation Centre	14 th November 2018	
6	Visit to Incubation Centre in Indian Institute of Management at NSRCEL.Bangalore	15 th November 2018	

7	Session at NSRCEL at IIM Bangalore	15 th November 2018	
8	Visit to Centre for Cellular and Molecular Platforms	15 th November 2018	
9	Visit to Health Care Incubator at <u>Mazumdar Shaw Medical Foundation.</u>	16 th November 2018	



10	Visit to IKP EDEN - Incubator by ICICI Knowledge Park — at <u>IKP EDEN</u>	16 th November 2018	
11	At <u>IKP EDEN</u> .	Nov 16/2018	



12	91 Spring board Co-working space — at 91springboard .	Nov 16/2018	
13	Crescent Team with Vice Chancellor — at Aicte Auditorium.	Nov 20/2018	



<p>14</p>	<p>Launch of Institutions Innovation Council by MHRD — at Aicte Auditorium.</p>	<p>NOV 21/2018</p>	
<p>15</p>	<p>MaDeIT Innovation Foundation - Incubation Centre of IIITDM — at IIITD&M Kancheepuram.</p>	<p>Nov 22/2018</p>	



16	Crescent Vactio Training Program	Nov 24 - 23/2018	
17	Indo – Indonesia Seminar & Business Forum- Chennai Rain Tree	Dec 1/2018	

18	Mr.FaridWajdi, Project Manager, SerbaDinamik Group Berhad, Malaysia		
19	G Subba Rao IAS, Former Chief Secretary of Gujarat — at BSA Crescent Institute of Science and Technology	Dec 12/2018	



20	At Sree Chitra Tirunal Institute for Medical Sciences and Technology	Dec 13/2018	
21	Kerala Startup Mission.	Dec 13/2018	



22	EDII-PSG Leadership Program for Business Incubators visit to Kerala Start up Mission	Dec 14/2018	
23	Mr.Abdul Qadir Sathak, Founder and CEO, SAFAEDRA, Rotterdam	Dec 16/2018	



24	CIIC Signing MoU with DIC, Govt of TN	Dec 29/2018	
25	CIIC has supported 10 startups as part of Global Investor Meet Roadshow	Dec 29/2018	



26	Dr.Srihari, Provost, Binghamton University, State University of New York and his team visited CIIC — at BSA Crescent Institute of Science and Technology.	January 8/2019	
27	Delegates from International Islamic University, Malaysia visited CIIC	January 8/2019	



28	Unnat Bharat Abhiyan (UBA) scheme progress review by Mr.Ponniah, IAS, District Collector, Kanchipuram — at District Collector Office Kanchipuram.	January 8/2019	
29	Tamilnadu Global Investor Meet	January 23/2019	

30	Srilankan University Visit	Dec 26/2018	
31	<p>Parvez Alam is with Nikhat Hamza and Prem Kumar.</p> <p>January 7 - Published in New Indian Express</p>	January 7 - 2019	 <p>Crescent gives a huge boost to namma start-ups!</p> <p>Investment and Incubation Council (CIC) a startup men of B Abdul Basim. Crescent Institute of Science and Technology is acting as a 'One Stop Shop' - Technical Business Incubator (TBI) - for start-ups with a 2500 sq ft state-of-the-art facility. CIC and Department of Industries and Commerce, Tamil Nadu signed a cooperation agreement during the Global Invest Meet Roadshow in the presence of Minister for Higher Education P. Jayashankar Prasad, District Collector P. Ramakrishnan, Additional Commissioner of Industries and Commerce T. P. Rajan, Members of Parliament, Members of Legislative Assembly, Registrar A. Anand, Deputy Registrar DV N Raju Hosain, Principal Investigator Dr S Hemalatha and CEO TM Parvez Alam. It was so wonderful that a great number of projects were started and supported during the first GIM held in Tamil Nadu - where a record amount in investments were secured and accounted for. This year being the second edition of the unique event, start-ups are looking at the State Government's encouragement in arranging several topes. CIC has supported to launch start-ups and registered them to attend to Tamil Nadu as part of the Global Investors Meet Roadshow. This cooperation agreement affirms that CIC and DIC, Tamil Nadu shall work together to promote entrepreneurship in Chennai and Kanchipuram Districts of Tamil Nadu initially.</p> <p>Photo: 07 January 2019 cic@vsnl.com www.cic-tamilnadu.com 735555588</p>



<p>32</p>	<p>Parvez Alam is with Kaili AK and 3 others at Crescent University.</p> <p>January 26 at 12:03 PM · Our Vice Chancellor Tan Sri Dato Sri Prof.Sahol Hamid Bin Abu Bakar launched the CIIC Incubation Policy and Application for Startups.</p>	<p>January 26/2019</p>	
<p>33</p>	<p>Parvez Alam is with Kaili AK and 2 others.</p> <p>January 28 at 6:48 AM · Published in Dinamani Newspaper today</p>	<p>January 28/2019</p>	

34	National Design Business Incubator by National Institute of Design		
35	January 29 . At Centre for Innovation Incubation and Entrepreneurship .	January 29 /2019	
36	NIDHI TBI Proposal Submitted		
37	ARIIA Ranking Submitted		




38	Ms.Susan Grace, Consul General, Australia during Australia Day Feb 1		
39	Published in Deccan Chronicle Feb 2	Feb 2/2019	<p>Crescent Innovation & Incubation Council launched Incubation Policy & Application for Start-ups</p>  <p>Crescent Innovation & Incubation Council (CIIC), a start-up arm of B S Abdur Rahman Crescent Institute of Science & Technology is acting as a "One Stop Shop - Technology Business Incubator (TBI)" for Start-ups. CIIC facilitates entrepreneurial & innovative ecosystem to all the stakeholders including the students, faculty, industry, investors and society at large. On the eve of Republic Day, CIIC has launched the Incubation Policy and opens the application for the start-ups to generate the employment for the nation. CIIC policy is in alignment with Start-up India Policy and Tamilnadu Start-up Policy. CIIC is planning to support 100 start-ups in next 5 years. CIIC is presently focusing on the disruptive technologies in the domains of Industry 4.0, Life Sciences & Mobility Transportation. CIIC has setup 22,000 sqft state-of-art facility for start-ups.</p>


40	ISBA Conclave 2019 <u>February 2</u>	Feb 2/2019	
41	Published in The Hindu Newspaper Feb 7	Feb 7/2019	 <p>FOR THE BENEFIT OF STARTUPS</p> <p>Crescent Innovation & Incubation Council</p> <p>Crescent Innovation and Incubation Council, a start-up arm of B S Abdur Rahman Crescent Institute of Science and Technology is acting as a 'One Stop- Technology Business Incubator' (TBI) for Start-ups. CIIC facilitates entrepreneurial and an innovative ecosystem to all the stakeholders including the students, faculty, industry, investors and society at large.</p> <p>On the eve of Republic Day, CIIC launched the Incubation Policy and opened the application for the start-ups to generate the employment for the nation. The CIIC policy is in alignment with the Start-up India Policy and Tamil Nadu Start-up Policy. CIIC is planning to support 100 start-ups in the next 5 years. It is presently focusing on the disruptive technologies in the domains of Industry 4.0, Life Sciences and Mobility Transportation. CIIC has setup a 22,000 sq.ft. state-of-the-art facility for start-ups.</p>

Events Report

S. No	Department Name	Date	Name of Programme	Resource Person Name	No. of Participants	PHOTOS
42	CIIC	08.04.19	Road show on throttling the oil & gas startup Initiative	KIIT	38	 <p>Roadshow at Crescent Innovation and Incubation Council</p>
43	CIIC	24.04.19	Workshop on Digitalizing the Medical world	Doctors Pharmacists and Researchers		

44	CIIC	25.04.19	3D Printing Workshop	Mr.Johnny from China		
45	CIIC	11.05.19	Artificial Intelligence Summit		54	
46	CIIC	28.05.19	City camp on Essentials of Scientific Entrepreneurship	Dr.V.Premnath	109	
47	CIIC	28.06.19	Agreement between CIIC & Chettinad Hospitals	Chettinad Hospitals,		

48	CIIC	06.07.19	1994 Batch Alumni Meeting at CIIC	Crescent Alumni	35	
49	CIIC	12.07.19	C-CAMP	C-CAMP	26	
50	CIIC	12.07.19	TIE-Chennai	TIE-Chennai		

51	CIIC	15.07.19	Herbal Entrepreneurship	Dr.S.Narasimman	44	
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CENTRAL LIBRARY

- The Central Library has purchased 3059 books on various discipline
- e-Journals subscription has been renewed, the Library subscribes over 17 thousand online journals
- Orientation program for the freshers has been conducted in the Central Library. Library systems and services have been explained to the first year students.
- Training on IEEE e-Journals was organized 1st August and 19th November 2018
- Orientation on EBSCO e-Journals was conducted on 19th November 2018
- UGC inspection team visited Central Library during February 2019, library facilities, services, collections and resources were explained to them.
- Mrs. Indumathi has joined as Asst.Librarian and she has been placed at School Architecture.

1. Conferences / FDP / Seminars / Workshops Attended

S.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	Dr. P. Panneerselvam	Role of Libraries in Creating Knowledge Society	National Conference	7 – 8 September 2018	Dr.S.Thanuskodi	Nil
2	Dr. P. Panneerselvam	eBook Conclave	National Seminar	3-4 August 2018	Springer Nature	Nil

2. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

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	

3. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- International Journal& National Journal
 - SCI/Scopus Indexed Journal :
 - Other journals :2

P. Panneerselvam “Web based Community Information Services in Public Libraries using Koha” *Indian Journal of Information Sources and Services* vol. 8 No.3, pp.7-9, 2018 ISSN: 2231-6094

P. Panneerselvam “Impact of Automation Software in Accessing Library Services”, *International Journal of Advance and Innovative Research* Vol. 5 No.4, pp.7-14, 2018 ISSN: 2394-7780

DEPARTMENT OF HUMAN RESOURCE & FACULTY TRAINING ACADEMY

Activities of Faculty Training Academy – July 2018 – June 2019

Details of Quality Improvement Programmes conducted / organized during July 2018 - June 2019

S.No	Details of the programme	Duration Days / Hrs.	Details of Collaborating Agency & Resource Person	Details of the Faculty	Outcome
				No. of Faculties attended	Take Away
1.	2 Day FDP on “Train the Trainers”	2 Day	Mr. Akshay, a Leadership and Transformational Trainer & Coach at SKILLMATIX	30	The training provided the much needed refreshing ideas to go hand in hand with the experience of the faculty.
2.	1 Day FDP on “Innovative Presentation Skill”	1 Day	Mr. Akshay, a Leadership and Transformational Trainer & Coach at SKILLMATIX	60	All the participants are provided with the complete insights of presentation skill.
3.	5 Day FDP on “Oracle PL/SQL	5 Day	Mr.VTL.Rao, Certified trainer from Oracle Pvt Ltd.	30	More than 30 Faculties and Research Scholars from

					various institutes across Chennai participated & understood the concepts of oracle database & got benefited.
4.	1 Day Hands-on FDP on“ Predictive Modeling using R”	1 Day	Mr.Bobby John, Technical Office at ISI,Bangalore	30	This Training programme offers the technique of extracting the data from the web and more than 30 participants attended and got benefitted.
5	1 Day FDP on Class-room Management	1 Day	Dr.A.Azad,Registrar BSACIST	100	Training offered a needy skills to be incorporated by the faculties in the classroom.
6	One Day Hands-on FDP on ”MS-Office & Google Drive for Clerical Staffs”	1 Day	Dr.Javubar Sathick,Dr.Prakash, Mr.Rajendran	60	Usage and implementation of MS-Office and G-Drive in day today work has been discussed in brief for the clerical staffs.
7	3-Day Training session for the Final Year and Pre-Final year students on “Sales force	3 Day	Ravichandiran. A Senior Technical Trainer Training & Research - IT	46	The Trained students are credited with the “Online Badge from Sales force” which can be used in their CV for the

	Essentials For Business Specialists”				placement. Students from Commerce, MBA & MCA participated and get benefited.
8	One Day Training programme on “Maintenance of Computer Hardware/Network/Infrast ructure & its Implementation Procedures”	1 Day	Mr.Venkatesh (Senior Network Engineer) & Data Centre Team members	30	All the System Staffs are given a complete insight of System, Network and its infrastructure.
9	One Day Training on “How to write the System /Machine /Equipment Specifications & SOP’s (Standard Operating Procedure) in Highest Standard “	1 Day	Mr. Ak. Antony – Lab Coordinator, Dr.SKG. Ganesh - MR-ISO Director PG Admissions, Mr. R. Venkateshwaran- Senior Network Engineer.	60	This training acted as eye-opener for all the system staffs to know more about SOP’s and its purpose.

10	2 day Training on “Communication skills and Office Keeping skill training”	2 Day	Dr. Shahin Sultana, Professor, English, Dr. Sofia, Associate Professor ,English	30	Department of English offered a much needed training for all the non teaching staffs to equip themselves in communication and office keeping skills. 30 participants attended and got benefitted.
11	Two-Day FDP training programme on the topic “Teaching Techniques”	2 Day	Mr. Nirmal Kumar, Senior Manager training and development ICT Academy.	40	All the participants are given a complete insight of Teaching Techniques and useful information to manage the challenging class room environment.
12	One Day National Seminar on “E-Learning and MOOCs in Higher Education”	1 Day	Prof. A.K. Bakhshi Dr. Vimal Rarh Dr. Jaswinder Singh	100	More than 100 faculties and research scholars have attended & understood the need of e-learning & MOOC in Higher education.
13	One Week training programme on “Soft-skill training for staffs”	1 Week	Mr. Narendra is an alumnus of IIM Ahmadabad	110	This training programme offered special inputs to develop their soft-skill for the

					productive use in the office.
14	One Week training programme on “Soft-skill training for Non Teaching staffs”	1 Week	Mr. Narendra is an alumnus of IIM Ahmadabad	100	This training programme offered special inputs to develop the faculty soft-skill for the productive use in the day today life.
15	One Day Hands-on FDP “Usage of Raspberry Pi in Machine Learning Environment	1 Day	Dr. Y. Mohamed Shuaib & Mr. Paramasivam	42	This training programme showcase the Session on Importance of Raspberry Pi in Machine Learning Environment .Faculties from various departments such as ECE, EIE, CSE, IT, CA, MBA, POLYMER participated in the training & got benefited
16	Two Day Hands-on FDP “Applications of image processing using MATLAB”	2 Day	Ms. Padmausha, Ms. Anuradha, and Ms. Rafiammal	30	Usage of MATLAB is discussed in the training and Hands-On Training was also offered. 30 participants have attended the training and got benefited.

17	AICTE SPONSORED One Week “Student Induction Programme LEVEL-1” for the faculties	1 Week	Prof. Ranjani Parthasarathi, Anna University.	50	The Trained Faculties have conducted the Induction programme for the students who have joined fresh this academic year 2019-20.
18	Eclectic HR CONFAB’19(2 Day International Conference) Organized by HR & Faculty Training Academy In collaboration with Department of Commerce ,Crescent Innovation Incubation Council (CIIC) Training and Placement Cell Of BS Abdur Rahman Crescent Institute of	2 Day	14 Eminent speakers all over the world including our Honorable Vice Chancellor	120	More participants including corporate HR’s, Faculties, Research Scholars, Industrialists and Students were the participants & presented papers and panel discussion by eminent speakers were also conducted during the course of the programme.

	Science and Technology				
19	One day Faculty Development Programme on “Effective Teaching Practices” for all the faculties	1 Day	Dr. K. Narashiman, Director AU TVS Centre for quality management & Dr. C. Kumar Babu senior retired professor and doctor in psychiatry department, Stanley Medical College Chennai	367	All the faculties who attended the training program were completely benefitted and understood the concept of effective teaching practices.
20	One Day Faculty Orientation Programme for Newly Joined Faculties	1 Day	Registrar,Deputy Registrar,Director HR,Director-ARIA,Dean Academic,Dean Research,COE,Dr.Tharini.	90	90 new faculties have attended the orientation programme and got all the vital information about B.S.Abdur Rahman Institute of Science and Technology.
21	One Day ICT Enabled Faculty Development Programme on “Engineering Graphics”	1 Day	Mr.Mahashir Ali,AP/Mechanical Department.	30	Faculties from various departments such as Automobile Engineering, Civil engineering, Aerospace engineering, Mechanical

					Engineering and Polymer Engineering attended the training & understood the importance of Engineering Graphics.
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PLACEMENT & TRAINING CELL

The campus recruitment process started in the month of July 2018. Till date **179 companies** have visited our campus for 2019 passing out batch and **481+** of our eligible students have placed inspite of awaiting results from few companies.

Placement Summary

Department	No of students placed
CIVIL	3
MECH	52
EEE	22
CSE	80
ECE	78
EIE	14
IT	20
POLY	5
Aeronautical	4
Automobile	1
BioTechnology	17
MCA	17
MBA	69
BCA	85

B.Sc.	9
M.Tech-COMM	1
M.Tech-IT	1
M.Tech-Manfg.	1
M.Tech-Biotech.	1
M.Sc (Chem)	1
M.Sc. (Biotech.)	2

S.No	Name of the Company	Type of company	Annual Pay (in Lakhs)
1.	ZIFO RnD Solutions	R&D	3.70
2.	MK Auto Components	Manufact.	2.40
3.	International Job Fair- Taiwan (ADVANTECH Industrial Computing)	Prod. R&d, IT, ITES	3.00
4.	Delta Electronics Inc	Electronics Manufacturing	3.20
5.	CTBC Bank	Financial Industry	3.00

6.	Micro -Star International CO.	Electronics Motor	3.00
7.	Victor Rackets Ind. Corp.	Sporting Goods	2.80
8.	Her Shine Precision Technology Co. Ltd.	Petrochemical	2.50
9.	India and Taiwan Economics Association - ITEA (Yu-Li Co.,Ltd)	Association	3.00
10.	Alliance Global Technology	Medical Equipment Manufacturing	3.00
11.	Innolux Corporation	Photoelectric	3.00
12.	Holtek Semiconductor Inc.	Semiconductor	3.00
13.	Test Rite Group	International Trade / Retail	3.00
14.	Compunic Electronics Co Ltd.	Electronics Motor	3.00
15.	Plustek Inc	Information Service Industry	3.00

16.	Maxxis International	Rubber Manufacturing	3.00
17.	Racer Tech.	Capital Communication	3.00
18.	Fubug Industrial Co Ltd.,	Daipers, Wet Wipes etc.,	3.00
19.	Tci Biotechnology Co. Ltd.,	Food Industry	3.00
20.	Chung-Hua Institution for Economic Research	Research	3.00
21.	Taiwan External Trade Development Council	Association	3.00
22.	Value Labs	IT	4.00
23.	Sony	Sales	1.80
24.	TCS	IT	3.36
25.	Full Creative Private Ltd.,	IT	3.50
26.	Ernst & Young (EY)	IT	4.25
27.	Aspires Systems	IT	4.50
28.	ATMECS Technologies Pvt.Ltd., (Pool Drive)	IT (pool campus)	3.00

29.	Revature India Ltd	Marketing	3.55
30.	Deltax	IT	5.00
31.	Whirldata Labs	Software	3.00-5.00
32.	Twins Digital	Pharmacy	6.00
33.	Wabco India Ltd.,	Product	5.50
34.	MyAnotimy	IT	5.00
35.	IDBI Federal Insurance Co.Ltd	Insurance	2.5-3.5
36.	Tekion (Pool drive)	IT	4.50
37.	Capgemini	IT	3.15 - 3.50
38.	IBM	IT	4.00
39.	L&T Infotech	IT	3.10
40.	Yello Messenger	IT	4.00
41.	Mount Blue Technologies	IT	3.50

42.	KAAR Technologies	IT	5.00
43.	Comits AG Pvt Ltd	IT Product	6.00
44.	Future Generali	Insurance	4.15
45.	Jaro Educations (Pool Drive)	Education	6.50
46.	Canara HSBC Oriental Bank of Commerce Life Insurance Co Ltd.	Sales	2.40
47.	WIPRO NLTH	IT	3.50
48.	Teach for India	Education	2.50
49.	HSBC Technologies Pvt. Ltd	IT Product	12.00
50.	Swiggy	IT	4.20
51.	BNP Paribas	IT	2.50
52.	GeekyAnts	IT	4.50

53.	Convert Cart	IT Product	4.00
54.	Bata India Ltd	Store Manager	3.12
55.	Mr. Cooper (NSM Services India Pvt LTD)	Finance	3.00
56.	Godrej & Boyce	Core	3.50
57.	Power IT Seervices	HR / Business	2.50
58.	Sigaram Technologies	IT	5.00 - 8.00
59.	ADVIT Software	IT	2.5-3.00
60.	Abyeti Technologies	IT	4.00 - 5.00
61.	Equitas Bank	Banking	2.00
62.	Ziologic	IT	3.00
63.	Zalaris	Marketing	3.00

64.	Atos Syntel	IT	3.00
65.	Intellect Design Arena Ltd	IT	2.16
66.	Newgen Software Technologies	IT	3.75
67.	Castwell Autoparts Pvt. Ltd	Core	2.50
68.	Nettyfish Networks Private Limited - to be update from here	Marketing	2.40
69.	Waffor Retail Solutions Pvt. Ltd.,	IT	2.40
70.	Valued Epistemics (GREedge)	IT	5.40
71.	Virtusa Software Services P,Ltd.,	Core	3.30
72.	Stellar Technologies	IT	1.80-2.80
73.	Cyient	IT	3.25
74.	Cloud Axis Technologies	IT	1.80-2.80

75.	Cognizant Technology Solutions	IT	3.38
76.	Face	Training	6.00
77.	Rmade Technologies	IT	1.80-2.80
78.	Renaul Nissan Technology	IT	3.00
79.	Samsung R&D	Research	7.00
80.	MBIT Wireless	Core	2.50
81.	Syngene International Limited	Research	3.00
82.	Fourkites	IT	4.00
83.	Motherson Group	Core	2.10
84.	Berger Paints	Core	5.75
85.	ExcelaCom	IT	3.00

86.	NIIT Ltd	IT	4.25-4.50
87.	Tavisca	IT	5.00
88.	Nexgen Designs	Core	1.50
89.	Besten Engineers & Consultants India Private Limited	Core	1.10
90.	JL ALU GLAZING	Core	1.20
91.	Archit Builders	Core	1.20
92.	Velciti Consulting Engineers Pvt Ltd.	Core	1.20
93.	Kotak Life Insurance Co.	Insurance	3.50
94.	Think Wright Solutions	IT	1.80
95.	Everest IMS	IT	2.80-3.50
96.	Pathcare Labs	Technical Trainee	2.50

97.	Bioscreen Instruments P.Ltd	Pharmacy	2.00-2.25
98.	TrioVision Composite Technologies	Core	1.80
99.	IDBI Federal Insurance Co.Ltd	Insurance	3.49
100.	Maveric Systems Pvt. Ltd -(Pool Campus)	IT	2.00-2.50
101.	Vembu Technologies	IT	3.00
102.	Reliance Trends	Sales	2.28
103.	Gibraltor Technologies	IT	5.00
104.	Vee Technologies	Medical	1.80
105.	Qspiders / Jspiders	Consultancy	2.00
106.	Wipro HR Services	HR	3.50
107.	Data Software Research Company Pvt Ltd (DSRC)	IT	2.25-2.50

108.	JBM Group of Companies	Core	2.00
109.	TNQ Technologies	Bio	2.60
110.	Edureka	IT	2.50
111.	Sensiple Software Solutions	Technical Trainee	2.30
112.	IntellectFaces Technologies	IT	2.4 - 3.00
113.	Tiger Analytics	IT	2.28
114.	Valued Epistemics (GREedge)	IT	
115.	Mindtree Limited	IT	3.25
116.	Softcrylic Technologies	IT	3.00
117.	Zoho Corporations	Core	4.0 - 6.50
118.	Payoda Technologies P Ltd	Marketing	3.- 4.5

119.	TnQ Technologies	IT	2.60
120.	Croin Technologies	IT	4.50-6.00
121.	No Paper Forms	Slaes	6.00
122.	HealthWatch Telediagnosics Pvt Ltd	Core	1.80
123.	Capgemini	IT	2.40
124.	SSF Plastic India Pvt. Ltd	Core	1.35
125.	S10 HealthCare	Core	1.70
126.	Melorra	IT Product	6.00
127.	Sonata Software (Pool drive)	IT	2.4
128.	AllBlue Solutions, Bangalore	IT	3.72
129.	Maintec	IT	2.20

130.	Statistics Market Research Consulting	Core	3.00
131.	TVS Electronics Ltd.	Core	3.00
132.	VNAI - Venkata	Core	3.50
133.	Bitcot	IT	2.40- 3.20
134.	Seventhsense Technologies	IT	1.5 - 2.00
135.	BATL International Inc.	IT - Overseas	3.00
136.	RDA Labs	Core	3.0 - 4.20
137.	Focus Academy Career Enhancement (FACE)	Training	2.88
138.	Robert Bosch	Core	5.00
139.	HCL Technologies	IT	3.50
140.	Verizon Data Services India	IT	5.25

141.	NSK Bearing India Pvt. Ltd	Core	3.85
142.	Vidyalai - Pool campus	IT Product	3.00
143.	Amazon	IT	28.00
144.	Text Computing	IT	1.20
145.	PathFront LLP	IT	2.00 - 3.40
146.	Data Patterns India Pvt. Ltd	Hardware	3.00
147.	Robert Bosch	Core	5.00
148.	Vestas Technology R&D Chennai P.Ltd	IT	3.60
149.	Computer Age Management Services P. Ltd. (CAMS)	IT	3.00
150.	GenxXLead	IT	1.96-2.16
151.	Seventhsense Technologies	IT	1.5-2.00

152.	Tata Motors Group	Sales	2.00
153.	Life Cell	Core	2.40
154.	Sensiple Software Solutions	IT	2.28
155.	Sutherland Global Services	BPO	2.50
156.	HCL Training & Staffing Services P. LTd	IT	2.58
157.	Isometrix Architects & Interior Design	Core	1.80
158.	GGG Information Services	Core	2.10
159.	Ameex Technologies	IT	3.20
160.	SAP	IT	3.00
161.	Molclone Labs Pvt Ltd.	Core	2.00
162.	HCL Technologies	IT	3.50

163.	<u>Softeon</u> India Private Ltd	IT	3.25
164.	Practo Healthcare	IT	8.00
165.	Bhansali Engineering Polymers Ltd	Core	4.32
166.	Polyhose Tofle Pvt Ltd	Core	1.50
167.	Rupeek Fine Tech Pvt LTd.	Core	3.50
168.	Adani Gas	Core	4.10
169.	Nature Tech India Pvt Ltd	Core	1.92
170.	IBM	IT	3.03
171.	Aurous HealthCare CRO	Core	1.80
172.	Datamatics Global Services Ltd	IT	1.80
173.	Rubber Skill Development Council	Core	1.50

174.	Infosys BPM	IT	2.16 -4.00
175.	Sitel Group	IT	4.00
176.	Enoah I Solution	Core	2.24
177.	American Megatrends	IT	3.00
178.	Jamna Auto Industreis Ltd	Core	2.64
179.	ZF India Pvt Ltd.	Core	3.00

Job Fair:

1. CRESCENT CONFAB JOB FAIR 2019

Placement and Training Cell & Industry Institute Partnership Cell (IIPC) of B. S. Abdur Rahman Crescent Institute of Science & Technology organized **CRESCENT CONFAB JOB FAIR 2019** for experienced and 2019 batch passed out on **20th June 2019** at our University Campus.



In the job fair around **20+** companies have participated and **450 + candidates** have attended out of **600** registered candidates throughout Tamilnadu. Finally offer letter have been distributed to **126 candidates** from various companies.

Crescent - MEP Job Fair 2019

B S Abdur Rahman Crescent Institute of Science and Technology's Industry Institute Partnership Cell (IIPC) organized a mega "**MEP Job Fair 2019**" in association with Dhanush Engineering Services India Pvt Ltd., on **15th June 2019** exclusively for the Mechanical, Electrical and Civil students of experienced and 2019 batch passed out.



In the job fair around 40+ core companies across India participated and it was the first time which happened in Tamil Nadu.. **2700 + candidates** have been participated out of **4600** registered candidates in the event from all over South India. Finally offer letters were distributed to **628 candidates** from various core companies.



Crescent Talent Test:

Placement department has contributed in the UG admissions by conducting talent test on **2nd May 2019**. We had tremendous response with 322 students registering for the test. After Screening 148 were shortlisted for test, 112 students appeared for the test finally. We shall be forwarding the results to the admission department for further process. Our beloved VC addressed students, parents and announced the scholarship amount of Rs. 50,000/-, Rs.30,000/- & Rs. 20,000/- for first 30 toppers respectively.



Crescent Robolab 4.0

Industry Institute Partnership Cell of BSA Crescent University collaborated with Prag Robotics Pvt Ltd. established Crescent Robolab 4.0 and inaugurated by our Hon'ble Vice Chancellor on 31.07.2019 in the Mechanical Science block first floor in the presence of Registrar, Dy. Registrar, Deans, Director and all HODs.

Mr. Sethuraman, Director & Founder, Prag Robotics Pvt Ltd,. briefed that, this prodigious Lab of Center of Excellence will provide the student community, a real time leaning atmosphere to enhance their skills in Robotics, Artificial Intelligence, Deep Learning, Machine Learning, Data Science and IOT..



TRAINING PROGRAMMES CONDUCTED FOR THE YEAR: 2019-20

Employability Assessments for 2020 Batch.

1. Employability Assessment online test was conducted in association with **Co-Cubes** for final year B. Tech. & MCA students (2020 passing out batch). on 27th July 2019. This test assesses our students on Language, Cognitive, and Domain & Soft Skills and provides employability feedback, what are their strong areas and what to improve.
2. Aspiring Minds Assessment Pvt Ltd (**AMCAT**)” Online Aptitude Test and employment Skill Knowledge Testing Process was conducted for the Final year B. Tech (CSE, ECE, IT, EEE, EIE.) and MCA students (2020 batch) on 27th July 2019. Students shortlisted by the clients for internships / final recruitment and interviewed through multiple modes like

joint campus drives, telephonic interviews, and interviews at central locations, company office or any other means decided by the company.

TRAINING PROGRAMMES:

1. A Ten days Placement Training programme was conducted on **(Quantitative, Verbal, Logical, Technical) / SOFT SKILLS** like **(Group Discussion, Resume Writing, Listening Comprehension)** for final year all UG & PG (2020 passing out) students from 22nd July to 2nd August 2019 in our University premises.



2. Placement readiness training programme was conducted for the final year circuit branch students from 24th July to 29th July 2019 in the phase – I schedule.



3. We had conducted a Seminar on Placement preparedness and online assessment for the pre-final year B. Tech.(CSE / IT / ECE) & MCA students (2020 passing out) in association with **GUVI Geek Network Pvt Ltd - An IITM Incubated Company** on 19th July 2019,



Awareness Programme:

❖ The Department of Placement Training, Institute Industry Partnership Cell joins and Department of Aerospace Engineering, in collaboration with the Madras Flying Club, organized an “Interactive **Session on Aviation Industry - Take off with Brilliance**” program on **19th March 2019** at **11.00.a.m.** in our University premises. **Captain Jacob Selvaraj**, Honorary Secretary, Madras Flying Club, and his team, visited our University and interact with the students about the following programs.

1. Student Pilot License (**SPL**)
2. Ground Handling
3. Flight Dispatcher
4. Cabin Crew Management



Sponsored Programme:

- ❖ We have arranged a one day Placement Training Programme on 01.02.2019 “Personality Development, 145 students from B.Com. 2nd year. This programme was organized by The Hindu in collaboration with Microsoft training partner. Students were made aware on communication, placement preparation and confidence building measures. Session ended with written test to assess writing skills and student’s professional goals.
- ❖ Motivational Seminar Session on “**Technical Profile Building & Techniques to Crack Aptitude / Competitive Exams**” was conducted for pre-final year students of B. Tech. (CSE/ IT / ECE/ EEE/ EIE/ Aero) in two different session.
- ❖ Placement preparation test was conducted on 7th March 2019 in association with **Firstnaukri.com** (Division of Info Edge India Ltd.) for the Pre-final year B. Tech. / M.Tech. all branches & MCA students (2015-19 passing out batch) based on Analytical, English and Quantitative analysis and get detailed test report for each students.



Seminar / Workshop / Conference Participated:

- ❖ Participated in Cambridge Assessment English to discussion on “Enhancing graduate employability through English language skill” on 4th March 2019 at Chennai.
- ❖ Participated in the Conference on “**Infosys Summit 2019**” for partner institutions held on 15th Feb. 2019 at Mysore.

❖ Attended in “**23rd edition of International Engineering and Technology Fair (IETF)** during 3rd - 5th Feb. 2019 at Pragati Maidan, New Delhi, India. The 23rd IETF 2019 focused such as the following:

1. India Industrial Automation & Robotics
2. Learning and Skills Expo,
3. Artificial Intelligence etc., showcasing the strength of Industry from around the Globe.

ACHIEVEMENTS:

- Data Quest T- School Survey has ranked our **B.S. Abdur Rahman Crescent Institute of Science & Technology** in **all India Ranking 3rd** in the top private colleges. The award distribution function held on 19th July 2019 at the Eros Hotel, Nehru Place, New Delhi.
- Dr. K. Ganesh, Director, Placement & Training Cell received a **Career Guru Award** of the month of February - 2019 by **AMCAT**.



IMPORTANT VISITORS:

1. We organized a seminar on “**Placement Interview Preparedness**” for Pre-final year (3rd year) B.Tech. Students in three sessions on 7th Feb. 2019. Total of 450 Students attended this seminar. It was an interactive session with the students, on career goals, confidence building and personal development. Mr. Saad Hameed, from Aligarh Muslim University also met our Registrar and Director HR and discussed on collaboration between the two universities on academics and students development.
2. Placement and Training department organized the visits of Ramona Williams, Ed.D.Vice provost for Admissions, Sharon Mcgee, Phd Dean and Caleb Bennett of East Tennessee State University (ETSU), US and Verena Lohner International student recruiter Munich Business School, Germany to Crescent University on **4th Feb. 2019**. They met our VC and Registrar and exchanged thoughts on the opportunities for Crescent students overseas and the infrastructure and courses that are being offered by Crescent University to its students.



ACTIVITIES OF THE OFFICE OF ALUMNI RELATIONS

1. Launch of “The Office of Alumni Relations”

Crescent Office of Alumni Relations was established in May 2019, as it was felt necessary to establish an office focused on strengthening Alumni Relations and it is intended to provide a platform for the alumni to interact with the University. The Office of Alumni Relations takes care of alumni engagement and maintains a communication channel with the Alumni; keeping them informed of University’s achievements and making them a part of the institution’s future and not just its past.



2. Distinguished Alumni Award – 10 July 2019

Crescent had long felt the need to recognize our Alumni who have distinguished themselves in their field of work and done the University proud. With this intention, the Distinguished Alumnus Award was instituted and is the highest honor to be bestowed upon an alumnus of Crescent.

From the year onwards 2019 BSA Crescent has instituted the Distinguished Alumnus Award, which will be awarded to our alumni who has displayed significant achievements in his chosen profession. The Distinguished Alumnus Award intends to acknowledge the achievements of our esteemed Alumni and is to be given every year to our Alumni to acknowledge & honor their achievements.

The inaugural distinguished alumni award 2019 was conferred upon Mr. Mir Mohammad Ali, I.A.S an alumnus of the class of 2008 (ECE Batch) by our Honourable Vice Chancellor Tan Sri Dato’ Sri Prof. Ir. Dr. Sahol Hamid Bin Abu Bakar.

Mr. Mir Mohammad Ali, I.A.S, is the Director, Kerala State Suchitwa Mission, Govt. of Kerala. (Ex- District Collector, Kannur District, Govt. of Kerala) & fondly recollected his college days in Crescent during his acceptance speech.

Our Alumni have reached positions of eminence in Academic, Research, Business, Managerial Contribution, Entrepreneurship, Public Administration, Social Service etc.. The Distinguished Alumnus Award would enhance alumni-student relations and help the students to become more aware and get inspired by the achievements of their alumni.

3. Alumni-Reconnect 2019 – 6 July 2019 (1994 batch)

The batch of 1994 of Crescent Engineering College Alumni had a reunion in the campus to celebrate 25 yrs of graduation on 6 July 2019. (Civil, Mechanical, EEE, CSE branches) More than 120 Alumni gathered together from various countries and other parts of India / TN to attend the event.



4. Alumni Student Mentoring Session – 10 July 2019

The Office of Alumni Relations conducted an interactive Alumni mentoring session by Mr. Mir Mohammad Ali, I.A.S an alumnus of the class of 2008 (ECE Batch) with the continuing students of ECE Dept & students from the Centre for Competitive Exams on tips to clear UPSC / Competitive exams.



5. Alumni Studio Video recording session – 10 July 2019

Mr. Mir Mohammad Ali, I.A.S an alumnus of the class of 2008 (ECE Batch) visited our studio in the campus & recorded a video lecture for the Office of Alumni Relations & Centre for Competitive exams.



6. Departmental Wall of Fame

In recognition of the many notable achievements of the alumni, the University established the Wall of Fame. The Wall of Fame recognizes outstanding professional and public service achievements by our Alumni bringing honor and prestige to our University. We have a departmental Wall of Fame displaying 10 prominent Alumni members of each department.

ANNUAL REPORT
(Sports)
2018-19



ANNUAL REPORT ON THE SPORTS ACTIVITIES FOR THE YEAR 2018 – 19

It gives me great pleasure to present the Annual Report of the sports activities of the Department of Physical Education for the year 2018 – 19.

The performance of our students in the field of sports and games during this academic year 2018 – 19 has been quite impressive notwithstanding the fact that both at National as well as State level competitions, our students had to compete against very high quality teams, having number of national as well as state players.

At the beginning of the academic year, selection trials were conducted in all Games & Sports and Athletic events for Men and Women students and teams were formed.

Coaching Camps were organized periodically to improve the skills and fitness level of students for better performance in the inter University and inter institutional tournaments.

Office Bearers

Mr. R.Lokesh IV B.Tech (ECE) - **SPORTS SECRETARY,**
JOINT SECRETARIES

Mr. Mohammed Saalim - II M.Tech (CEPM)

Mr. P.Bhavagna Krishna – IV B.Tech (Mech)

Mr N. Sathish Kumar - IV B.Tech (Civil)

Ms. V.Priya – IV B. Tech. (Bio)

Ms. P.V.S.N.Jayalakshmi - IV B.Tech (Polymer)

Ms. Gamini Geetha – IV B.Tech (ECE)-.

DETAILS OF ACHIEVEMENTS DURING THE YEAR

Our students have brought laurels to our University in various competitions this year. I would like to very briefly touch upon their achievements.

BALL BADMINTON

Our Ball Badminton Men team won the Runners Up Position in the State Level B'Grade Men's Ball Badminton Tournament in July-2018.

It was followed up with Runners Up Position in the State Level Senior Ball Badminton Tournament organized by Southern Railways Institute, Golden Rock, Ponmalai, Trichy on 18th & 19th August 2018.

Soon After that the team won the Third Position with a cash award of Rs.10, 000/- in All India Level Inter Collegiate SRM Founder's Trophy organized by SRM Institute, from 22nd to 24th August - 2018.

Our Institute Ball Badminton Men team was the Winner in All India Inter University Ball Badminton Tournament-2018-19, in which nearly 100 teams from all over India participated. The event was organized by SRM Institute, from 12th to 16th December - 2018. This is one of the greatest achievements by our students reflecting their hard work and dedication.

Ms. P.V.S.N. Jayalakshmi – IV B.Tech (P.E) was selected to represent Andhra State Ball Badminton Women team which won the Third position in the 42nd South Zone Ball Badminton Championship in October-2018. She also won second position in Federation Cup Ball Badminton held at the same place.

TABLE TENNIS

Our Table Tennis Women team has won the Runners up Position in the State Level Inter Collegiate Table Tennis Tournament organized by IIT Madras, Chennai in September 2018.

Ms. K.S.Subiksha, II BBA LLB has won the First Ranking Table Tennis Women Championship-2018 held at Pondicherry in Sept 2018.

CRICKET

Our Cricket Men team won the City League Cricket SM Trophy-2018 organized by SM Cricket Club, Chennai in Oct 2018.

Mr. S.Faizollahman , IV B.Tech (Mech) was selected to represent the JPL Bangalore Cricket Team,Karnataka . The team won the National Champions Trophy T20 Cricket Tournament in August -2018 at Hyderabad.

Mr. Rahman was adjusted the Man of the Match in this tournament.

BADMINTON

Our Badminton Men team has won the Third Position in the State Level Inter Collegiate Table Tennis Tournament organized by IIT Madras, Chennai in September 2018.

Individual Achievements in Badminton

Mr. S.A.Rajaram – II B.Tech (Mech), won Gold Medal (Singles) in the VIII National Rural Games Federation of India Badminton Championship-2018 organized by Tamilnadu Badminton Association, at Namakkal in September. He also won the Bronze Medal in Mixed Doubles with S.A.Ramya in the same tournament.

Mr. S.A.Ramya – II B.Tech (E&I) won Gold Medal (Singles) in the All India Youth Rural Badminton Championship-2018 in September.

Mr. R.Loyd Vergil – II B.Tech (E&I) won the Third Position in Chennai Inter National Youth Fest -2018 Badminton Tournament held at Chennai on 1st September-2018.

Mr. N.Kishore – II B.Tech (ECE) won the Under 19 Doubles Badminton Tournament at Shine Badminton Academy, Vellore on 19.07.2018 to 27.07.2018.

TENNIS

Our Tennis Men team won the Third Position in the State Level Inter Collegiate Sportsfest-2018-19 Table Tennis Tournament organized by IIT Madras, Chennai in September-2018.

ATHLETICS

In the State Level Inter Collegiate Sportsfest-2018-19 Athletic Meet organized by IIT Madras, Chennai in September, Our Athletic Men team has also done well.

1. Mr. S.Mohammed Afzal – I B.sc (CS) -I Place in 100 M Dash
2. Mr.H.Srivignesh - IV B.Tech(EEE) – II place in 1500 M Race &
III place in 5000 M Race

KARATE

Mr. V.Naveen Kumar – III MCA

- Gold Medal in 6th Open National Karate Championship -2018 Kunit Individual Event organized by Budo Academy, held at Chennai.
- Gold Medal in National Level Mabuni Cup -2018 Karate Championship - 2018 held at Mysore, Karnataka on 25th & 26th August-2018.
- Gold Medal in Heroshn Ryu Karate Do India, South India Level Karate games Championship-2018.
- Bronze Medal in Men Color Belt Kata Category in June-2018 and was selected for Asian Championship to be held at Jakarta, Indonesia,

Mr. R.Suriya – I BBA

- Won the First Place in the State Level Open Karate Championship-2018 held at Avadi, Chennai on 18th August -2018 .
- Won the Silver Medal in the National Level Karate Championship - 2018 held at J.J. Stadium, Chennai on 19th August-2018
- Won the BEST PERFORMER award in the Competition organized by Shobukai Nihon Shitoryu Karate Do Federation of India

ARCHERY

Mr. N.Hemprasanth – III B.Tech (ECE) won the Bronze Medal in National Level Open Archery Championship - 2018 held at Namakkal in August -2018.

SILAMBAM

Mr.S.Syed Mohammed Arshad – II BCA has won the Silver Medal in Chennai District Silambattam Championship - 2018 in September.

CONCLUSION

The achievements of our students this year are highly commendable. In appreciation of their achievements, cash prizes are also awarded every year to outstanding sports persons who have brought laurels to our Institute at the National, State and Regional Level competitions.

Our Chairman, Board of Management and the Institute authorities are very magnanimous in admitting some students every year under sports quota in various sports streams with full and partial scholarship .

Two special prizes are also awarded every year for the best sportsman and best sportswoman.

On this occasion, We would like to place on record our deep sense of gratitude to our Chairman and other Members of Board of Management for their keen interest and valuable support in providing the students all required sports facilities.

Our profound and heartfelt thanks to our Vice Chancellor for his guidance and encouragement in all our activities and sincere thanks to the Registrar for his suggestions and valuable advice.

Our special thanks to Deans, Directors, Heads of Departments, Deputy Registrar (Admin), Deputy Registrar (Academic), Deputy Registrar (Finance), and Faculty and Staff for all their support to our department activities.

Finally, I place on record my appreciation and thanks to my colleagues in Physical Education Department, the student sports secretary, Joint secretaries, all captains and participants of various teams and to all those who have lent their invaluable support in all the sports activities of the department.









SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES

- **Dept. of Computer Science & Engineering**
- **Dept. of Information Technology**
- **Dept. of Computer Applications**
- **Dept. of Mathematics**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Android Application Development	September - November 2018	55	Braingroom India Pvt Ltd, Chennai	104	-	-

2. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	One day work shop on IoT	21.1. 2019	7	Kyushu Institute of Technology, Japan	29	-	-
2	Workshop on Applied Data Science	28.1.2019	7	D'Labs Pathfinder Enterprise Solutions Pvt. Ltd.	132	8	-
3	Guest lecture on A Deluge Talk	5.3.2019	7	ITK Education Service Pvt Ltd	130	-	-

4	Workshop on IT tinkering Lab	13.3.2019	7	Student Leadership Programme Team from Catalyst and Ark solutions	140	-	-
5	IBM - DB2	2.7. 2018 to 6.7. 2018	35	IBM Pvt Ltd	-	20	-

3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	B.Tech CSE	IV	A	55	Ms.S.Subhashini	IBM India Pvt Ltd	30.10.2018	To provide an exposure to practical working environment

4. Conferences / FDP / Seminars / Workshops Organized

S. 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	A Deluge Talk	Guest	5.3.2019	ITK Education	Mr. M. Joseph, ITK	-	130	-	-

		lecture		Service Pvt Ltd	Education Service Pvt Ltd				
2	IT Tinkering Lab	Workshop	13.3.2019	Student Leadership Programme Team from Catalyst and Ark solutions	Mohammed Abubakar Gazali	-	140	-	-
3	Workshop on Applied Data Science	Workshop	28.1.2019	D'Labs Pathfinder Enterprise Solutions Pvt.Ltd.	Mr. Mohammed Rafi, D-Labs	6	128	2	5
4	One day workshop on IoT	Workshop	21.1.2019	Kyushu Institute of Technology, Japan	Kazuaki Tanaka, Associate Prof, Kyushu Institute of Technology, Japan	-	29	-	-
5	IBM-DB2	FDP	2.7. 2018 to 6.7.2018	IBM Architect, Bangalore	Mr.Chandramohan, IBM Architect, Bangalore	-	20	-	-

5. 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	Symposium - 2019	15.3.2019	Rs 25000/-	-
2	EC Meet - 2019	20.3.2019	Rs 15000/-	-
3	Talent Hunt - 2019	2.2.2019	Rs 15000/-	-
4	CSE A Inaugural	25.8.2018	Rs 15000/-	-
5	IBM - DB2	2.7. 2018 to 6.7.2018	Rs 10000/-	-

6. Conferences / FDP / Seminars / Workshops Attended

S.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	Ms C Vijayalakshmi Mrs R.Akila Ms S.Sharon Priya	Python	FDP	Jan - April 2019	IIT Spoken Tutorial Project, IIT Bombay	-

	Mrs Madhina Banu Mrs Brindha Merin, Mrs Subhashini Mrs.T.R.Akila Devi Mrs Radhika					
2	Dr.E.Syed Mohammed, Mrs S.Sharon Priya	Applications of Image Processing using MATLAB	FDP	2 nd & 3 rd May 2019	BSACIST	-
3	Dr.S.Revathi, Dr.N.Sabiyath Fathima, Dr.E.Syed Mohammed	Academic Leadership	Training	1 st April - 7 th April 2019	BSACIST	-
4	Dr.E.Syed Mohammed	Pedagogical Innovations and Research directions in STEM education	FDP	25 th February - 2 nd March 2019	Thiagarajar College of Engineering	-
5	Dr.E.Syed Mohammed	National seminar on e-Learning and MOOC'S in Higher Education	Workshop	9 th March 2019	BSACIST	-
6	Mrs R.Akila	FDP on Machine Learning	FDP	7 th - 8 th December	Hindustan Institute of Technology and	-

				2018	Science	
7	Mrs.A.Sonya	Predictive Modeling Using -R	FDP	2 nd November 2018	BSACIST	-
8	Mrs.A.Sonya	Big Data Analytics Using Hadoop	Workshop	12 th September 2018	BSACIST	-
9	Dr.Sharmila Sankar Dr.Sandhya Mrs S.P.Valli Mrs R.Akila Mrs Narayani Mrs.C.Hema Mrs Madhina Banu Mrs Brindha Merin Mrs Subhashini Mrs.T.R.Akila Devi Mrs Radhika	FDP on IBM CE-Enablement Program-DBMS	FDP	2 nd July - 6 th July 2018	BSACIST	-
10	Dr.S.Revathi	FDP on Introduction to Internet of Things	FDP	Jul - Oct 2018	Online Course - NPTEL	-

11	All the faculty(research scholars)	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20 th July to 22 nd July 2018	BSACIST	-
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7. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	6	1	-	-	9	2	18

8. Details Of Publication In National & International Journals & Conferences:

- International Journal& National Journal

- **SCI/Scopus Indexed Journal :**

1. Mehjabin Khatoon, W Aisha Banu, "An efficient method to detect communities in social networks using DBSCAN algorithm", *Social Network Analysis and Mining*, ISSN: 1869-5450, Vol.9, 12 January 2019.
2. J Ruby Annette, Aisha Banu, "Ranking cloud render farm services for a multi criteria recommender system", *Sadhana, Springer India*, Vol.44, Issue 1, January 2019.

3. Devarajan, Malathi, Fatima, N. Sabiyath, Vairavasundaram, Subramaniaswamy, Ravi, Logesh, "Swarm intelligence clustering ensemble based point of interest recommendation for social cyber-physical systems", *Journal of Intelligent & Fuzzy Systems*, pp.1-12, DOI: 10.3233/JIFS-169991, 23 January 2019.
 4. Kamal Basha Niha, Wahab Aisha Banu, "Wavelet Based Convolutional Recurrent Neural Network for the Automatic Detection of Absence Seizure", *Springer India*, Vol.30,pp.347-354, January 2019.
 5. P Ramalingam, M Sandhya, Sharmila Sankar, Using an innovative stacked ensemble algorithm for accurate prediction of the preterm birth, *Journal of the Turkish German Gynecological Association*. DOI: 10.4274/jtgga.2018.0105, 3 December 2018.
 6. R Pari, M Sandhya, Sharmila Sankar, A Multi-Tier Stacked Ensemble Algorithm for Improving Classification Accuracy, *Computing in Science & Engineering, IEEE*, DOI: 10.1109/MCSE.2018.2873940, 25 October 2018.
 7. R Pari, M Sandhya, Sharmila Sankar, A Multi-Tier Stacked Ensemble Algorithm to Reduce the Regret of Incremental Learning for Streaming Data, *IEEE, A Multi-Tier Stacked Ensemble Algorithm to Reduce the Regret of Incremental Learning for Streaming Data*, Vol.6, pp. 48726 – 48739, 31 August 2018.
 8. D. Menaga ; S. Revathi, Least lion optimisation algorithm (LLOA) based secret key generation for privacy preserving association rule hiding, *IET Digital Library*, Vol.12, Issue 4, pp.332-340, DOI: 10.1049/iet-ifs.2017.0634, 12 July 2018.
 9. Annette Ruby, Banu W Aisha, Chandran P Subash, A Multi Criteria Recommendation Engine Model for Cloud Renderfarm Services, *International Journal of Electrical and Computer Engineering*, Vol.8, Issue 5, October 2018.
- b) Other journals:**
10. Sonya A., "Automatic Sensing and Tracking Technology by Using Global Positioning System" , *International Journal of Management Technology and Engineering*", Volume 8, Issue XII, (ISSN NO: 2249-7455), December 2018.

11. Sonya A., Clustering of Storing Sensitive Data by Using Cloud System Technology, International Journal of Engineering Research & Management Technology" , Vol. 5, Issue 5, ISSN: 2348-4039, September-2018.

9. International Conference & National Conference

- **Conference with ISBN Proceedings :**

1. W Aisha Banu, Sharmila Sankar, M Sandhya, N Krishna Sagar, M Imran, Intelligent three-pin adapter: a turnkey iot Solution, Fifth International Conference on Electrical Energy Systems (ICEES), ISBN: 978-1-5386-9248-6, pp.p.1-3, February 2019.
2. Syed Thouheed Ahmed, Sandhya M, Sharmila Sankar, An Optimized RTSRV Machine Learning Algorithm for Biomedical Signal Transmission and Regeneration for Telemedicine Environment", International Conference on Pervasive Computing Advances and Applications, pp.140-149, PerCAA 2019, <https://doi.org/10.1016/j.procs.2019.05.036>.
3. S Syed Thouheed Ahmed, M Sandhya, Sharmila Shankar, ICT's Role in Building and Understanding Indian Telemedicine Environment: A Study, Information and Communication Technology for Competitive Strategies, Springer, Lecture Notes in Networks and Systems, 31, August 2018, ISBN:978-981-13-0586-3_39. [Book Series]
4. Syed Thouheed Ahmed, M. Sandhya, Real-Time Biomedical Recursive Images Detection Algorithm for Indian Telemedicine Environment, Advances in Intelligent Systems and Computing book series (AISC, volume 768), 12, August 2018, ISBN: 978-981-13-0617-4_68. [Book Series]
5. Mehjabin Khatoon, W Aisha Banu, A Ayesha Zohra, S Chinthamani, Sentiment Analysis on Tweets, Springer, Singapore, Software Engineering Book Series pp.717-724, 13 June 2018. ISBN: 978-981-10-8848-3_70.[Book Series]

6. Azka Wani, S.Revathi, “Analyzing Threats of IoT Networks Using SDN Based Intrusion Detection System(SDIoT-IDS)”, International Conference on Next Generation Computing Technologies, Part of the Communications in Computer and Information Science (CCIS, Vol.828), pp.536-542, June 2018, ISBN: 978-981-10-8660-1_41. [Book Series]

• **Other Conferences :**

1. Sonya A “Automatic Sensing and Tracking Technology by Using Global Positioning System” , 4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2018).

10. Details of Impact Factor Of The Publication and H-Index

A) Range : 0.18-3.55

B) Average : 1.734

C) H-Index : 8

D) No. in Scopus : 9

11. Sponsored Research (Ongoing / Applied)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1	Dr.E.Syed Mohamed	SERB	Cellular Automata Models for Propagation of Tsunami Waves	16,67,489	-	-	-	Ongoing

2	Dr.A.Jaya Mrs.R.Akila Mrs.B.Pushpa	TamilNadu State Council for Science and Technology	An Automatic Rumor Detection in Social Media Pertaining to TamilNadu	-	-	-	-	Submitted
3	Dr.S.Revathi Mrs.S.Subhashini	TamilNadu State Council for Science and Technology	Augmented Reality Glasses For Visually Impaired People To Recognize Colour And Pattern of an Object.	-	-	-	-	Submitted
4	Dr.E.Syed Mahamed	TamilNadu State Council for Science and Technology	Gradient Blending of Images for Content Aware Image Resizing.	-	-	-	-	Submitted
5	Dr.M. Sandhya Dr. Sharmila Sankar	Department of Science and Technology	Automatic Prediction of Preterm Birth	-	-	-	-	Submitted
6	Dr. M. Sandhya Dr. Sharmila	TamilNadu State	Predicting the Progression of Mild	-	-	-	-	Submitted

	Sankar	Council for Science and Technology	Cognitive impairment					
7	Dr. W.Aisha Banu Mrs.Sharon Priya	TamilNadu State Council for Science and Technology	Improving Higher Order thinking of Students Using Blooms Taxonomy	-	-	-	-	Submitted

11. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Lenova Systems Intel i5 Processor V530 (60 Nos)	India	18.03.2019	26,23,980/-	Yes	-

12. Patents

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1	Locating the Mobile Contacts by using Geo Application	15.10.2018	-	-	Nil

13. International Visits by Faculty / Students

S.No	Name of the Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Mr Naveen, Mr Monish Mehmi	Universiti Teknologi Mara(UiTM), Shah Alam	MALAYSIA	Outreach program for the satellite project	24 th - 28 th March 2019	CRESCENT SAT

14. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Mrs. S. Sharon Priya	Appreciation - IIT Spoken Tutorial	IIT, Bombay	22 nd March, 2019

15. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Naveen. M	160071601099	Completed course	Big Data 101 Cognitive Class.ai	June 2019
2	Monisha. S	160071601094	Completed 7 Days Internship	"Internet of Things, Barola Technologies	May 2019

3	Naveen. M	160071601099	Completed Course	"M001: MongoDB Basics BSACIST	May 2019.
4	Naveen. M	160071601099	Completed Course	SQL and Relational Databases 101Cognitive Class.ai	April 2019
5	Naveen. M	160071601099	Participated in outreach program	CRESCENTSAT" University Teknologi Mara, Malaysia	24 th March to 28 th March, 2019
6	Mr Joshua. J	150071601031	Completed NPTEL course and secured Elite +Sliver certificate	Design Thinking – A Primer	February - April 2019
7	Mr Krishna Sagar.N Mr. Mohammed Danish Faraz.K Mr. Venkata Srinivasulu Vallapunani	150071601038 150071601095 150071601102	Completed NPTEL course	Operations & Supply Chain Management	February - April 2019
8	Mr Krishna Sagar.N M.Ibrahim Saud Mr. Venkata Srinivasulu Vallapunani	150071601038 150071601026 150071601102	Completed NPTEL course	AI: Knowledge representation & Reasoning	February - April 2019
9	Monisha. S	160071601094	Android App	Internshala	25 th

			Development Online Winter Training		November, 2018 to 14 th January 2019
10	Kanagadhara Monisha. S	160071601054 160081601094	Completed Course	M001: MongoDB Basics” BSACIST	September 2018
11	Naveen. M	160071601099	Completed NPTEL course	Programming, Data Structures and Algorithms using Python” BSACIST	August - September 2018
12	II Semseter B.tech CSE – ‘A’ Sec (50 Students)	-	Certified digital badge from IBM	Python for Data Science	Jan – Apr 2019

16. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	NPTEL Online Certification	Feb- Apr 2019	Dr. S .Revathi Ms A.Akila	Database Management System	To improve teaching learning process
			Dr.S .Revathi	Compiler Design	
3	IIT Spoken tutorial Project, IIT Bombay	Jan – Apr 2019	Ms C Vijayalakshmi Mrs R.Akila Ms.S.Sharon Priya	Python	To improve teaching learning process

			Mrs Madhina Banu Mrs Brindha Merin, Mrs Subhashini Mrs.T.R.Akila Devi Mrs Radhika		
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17. Industry / Institute Collaboration

S.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

					<p>completion of the course by the institute & IBM</p> <ul style="list-style-type: none"> • Improving prospects for a global career with best of the companies
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18. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1	D'Labs Pathfinder Enterprise Solutions Pvt. Ltd.	Training	6	05	2019	A training initiative of Pathfinder Enterprise Solutions Pvt. Ltd., to offer their course on Applied Data Science to our college students.	Active
2	ZOHO Corporation	Training	12	02	2018	Zoho creator certification programme was conducted for nearly 140 students. To train the students in creating functions and logic for business applications	Active

19. Extension Activity Conducted

S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Village Visit	6	60	-	19.8.2018 & 28.1.2019	Unnat Bharat Abhiyan	Surveyed the people living in Karisangal Village

20. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Mohammed Abubakar Gazali	Student Leadership Programme Team from Catalyst and Ark solutions	Workshop on "IT Tinkering Lab" on 13.3.2019	To convert young minds into thinkers and innovators
2	Mr. M. Joseph	ITK Education Service Pvt Ltd	Delivered a guest Lecture "A Deluge Talk" on 5.3.2019	To share Knowledge
3	Mohammed Rafi, Chief Data Science Officer	D'labs Pathfinder Enterprise Solutions Pvt. Ltd.	Workshop on Applied Data Science on 28.1.2019	A training initiative of Pathfinder Enterprise Solutions Pvt. Ltd., to offer their course on Applied Data Science to our college students.

4	Kazuaki Tanaka, Associate Prof,	Kyushu Institute of Technology, Japan	One day work shop on “ Internet of Things” on 21.1.2019	To expose on Emerging Technologies
5	Mr Rajendran Dandapani, Business Solutions Evangelist	Zoho Corporation	Inauguration of Computer Science Association and ACM Student Chapter on 25.9.2018	Delivered a lecture on “Internet of Things”
6	Mr.Chandramohan, IBM Architect	IBM, Bangalore	FDP on “IBM-DB2” during 2.7. 2018 to 6.7.2018	To train the B.Tech CSE IBM specialization programme students on IBM tools.

21. Any Other Information

- The revenue generated from B.Tech CSE(Batch 2017 - 2021 and 2018 - `2.022) - IBM Specialization programme ‘Artificial Intelligence’, ‘Internet of Things’ and ‘Big Data Analytics” during the academic year 2018-2019 was Rs 12,82,166 /-
- The students (614 Nos) of Computer Science and Engineering has registered for 13 courses organized by IIT Bombay and an amount of Rs 32,200/- was generated.



Workshop – Internet of Things by Dr.Kazuaki Tanaka, Assoc.Prof., Kyushu Institute of Technology, Japan on 21.1.2019



2017-21 batch B.Tech CSE students visited IBM Private Limited, Chennai during October 30,2018



Naveen and Monish Mehmi of III year B.Tech CSE has involved in developing the prototype Crescent SAT & launched in collaboration with Space kidz India during Feb 2019.



The Department of Computer Science and Engineering has organized the Inauguration of Computer Science and Engineering Association and ACM Student Chapter on 25th September 2018.



The Department of Computer Science and Engineering has organized “EC MEET - 2019” an Extra Curricular event for the Students on 20th March 2019.



The National level Technical Symposium ARCANE 2k19 was conducted on 15th March, 2019 by the Department of Computer Science and Engineering.



The Department of Computer Science and Engineering has organized **TALENT HUNT 2019** on 2nd February, 2019.



भारतीय प्रौद्योगिकी संस्थान मुंबई
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APPRECIATION LETTER

To,
Prof. Sharon
B.S Abdur Rahman Institute of Science and Technology.
Tamil Nadu.

Date - 22/05/2019

This is to express thanks and appreciation to **Prof. Sharon** for spreading awareness and holding Software Training workshops at **B.S Abdur Rahman Institute of Science and Technology**.

You are making an outstanding contribution of using ICT based teaching and learning methodology for students of Tamil Nadu. Your contributions to the implementation of Spoken Tutorial Project are significant and have played a part in it becoming fastest growing NMEICT Project. Your excellent skills and courteous personality has helped tremendously in spreading awareness of Spoken Tutorial IIT Bombay.

I would like to personally thank you for contributing to the software training and awareness events in your Institute.

This work was done in association with the Spoken Tutorial IIT Bombay. As part of the National Mission on Education through ICT, funded by MHRD, Govt. Of India.

I am sure that we will continue to get your continued support for making India IT literate and spreading project existence in state of Tamil Nadu.

Thanks & Best wishes,

Shyama Iyer



Shyama Iyer
National Coordinator-Training
Spoken Tutorial, IIT Bombay
NMEICT, MHRD Govt. Of India

Department of Information Technology

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Python	Jan 2019- April 2019	4 Months	Spoken Tutorial Project, IIT Bombay	49	-	--
2	PHP & MySQL	Jan 2019- April 2019	4 Months	Spoken Tutorial Project, IIT Bombay	13	1	--
3	C&CPP	Jan 2019- April 2019	4 Months	Spoken Tutorial Project, IIT Bombay	49	-	--
4	Python	Jan 2019- April 2019	4 Months	Spoken Tutorial Project, IIT Bombay	35	1	
5	Introduction to Soft Computing	Jan 2019 – March 2019	8 weeks	NPTEL	22	2	--

6	Cloud Computing and Distributed Systems	August 2018 – October 2018	8 weeks	NPTEL	30	4	--
7	Mongo DB for Java developers	July 2018-September 2018	7 weeks	Mongo DB University	25	-	-

2. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Artificial Intelligence, Machine Learning and Deep Learning	07.03.2019 & 08.03.2019	14 hrs	Dcrew IT Solutions Pvt.Ltd	50	12	-



3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1.	B.Tech (IT)	VI, IV	--	93	Dr.N.Prakash Mr.N.Rajendran	RJP Infotek Pvt.Ltd.	12.03.2019 & 13.03. 2019	Students were gained Industrial exposure on Inter-Office Connectivity
2.	B.Tech (IT)	VI	--	55	Dr.G.Kavitha, Ms.A.Sonya	Barclays Bank, DLF IT Park	23.01.2019	Preparation for higher studies, the process of

								interviewing, getting interviewed, scrutiny of interviews and how to tackle it.
3	B.Tech (IT)	VI, IV	--	93	Dr.L.Shakkeera	SANDS (India) Pvt. Ltd., Chennai	25.10.2018	Students gained knowledge on IIOT & Big Data
4	B.Tech (IT) & M.Tech (IT)	VII, I	--	50	Ms.R.Priyadarshini	SANDS (India) Pvt. Ltd.	20.09.2018	Analytics concepts



4. Conferences / FDP / Seminars / Workshops Organized

S. 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 Conference on Recent Trends in Computer Science and Mathematics	Conference	04.04.2019 & 05.04.2019	CSI	Dr.P.Jayashree, Associate Professor/IT, Madras Institute of Technology	27	67	3	--
2	Artificial Intelligence, Machine Learning and Deep Learning	Workshop	07.03.2019 & 08.03.2019	Dcrew IT Solutions Pvt.Ltd	Mr. Dinesh Kumar Subramanian, Founder, DTeam	12	50	--	--
3	Blockchain Technology and Usecases	Seminar	05.02.2019	--	Mr.Navin Chander Jacob, Lead Manager, iNautix Technologies	3	25	--	--
4	Augmented Reality and Virtual Reality	Seminar	31.01.2019	--	Mr. Brijesh Kumar Tippi, R&D Head,	5	65	--	--

					Image Infotainment Ltd				
5	OpenNebula - Cloud Middleware Tool	Workshop	26.09.2018	--	Dr.P.Veeralakshmi , Associate Professor, Prince Shri Venkateswara Padmavathy Engineering College	4	45	--	--
6	Big Data Analytics using Hadoop	Workshop	12.09.2018	--	Mr.Sukumar, Project Lead, SANDS (India) Pvt Ltd, Chennai.	15	64	-	4
7	Entrepreneurship – Blue Ocean Strategy & MVP	Seminar	27.08.2018	--	Mrs. Sujaya Rao, Co-Founder and COO, FUTURE EDU, Bangalore	1	44	-	-
8	Studying abroad: Things to know and	Seminar	02.08.2018	--	Mr.Ahilan Tamilselvan,	6	90	--	--

	things you need				Graduate Student, IOWA State University				
9	Java Programming Fundamentals	Seminar	26.07.2018	--	Mr.Mohammed Waseem Ahamed, Project Lead, Tech Mahindra, Hyderabad	2	35	--	--



5. 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	National Level Technical Symposium – ICON'19	1 day	Our institution sponsored Rs. 20000/-	<ul style="list-style-type: none"> • Conducted five events • 90 students participated from various institutions

6. Conferences / FDP / Seminars / Workshops Attended

S.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.	Ms. Nabeena Ameen	Applications of Image Processing using Matlab	FDP	02.05.2019 & 03.05.2019	Faculty Training Academy, B.S.A.CIST	--
2.	Dr.L.Shakkeera	Student Induction Programme	FDP	13.05.2019 to 15.05.2019 & 20.05.2019 to	AICTE	Sponsored

				26.05.2019		
3.	Dr.G.Kavitha	Soft Skill Training for Teaching Staff	FDP	11.04.19 to 16.04.19	Faculty Training Academy, B.S.A.CIST	--
4.	Dr.P.Latchoumy	Soft Skill Training for Teaching Staff	FDP	11.04.2019 to 16.04.2019	Faculty Training Academy, B.S.A.CIST	--
5.	Dr.L.Shakkeera	Advanced course in Entrepreneurship	FDP	07.01.2019 to 13.01.2019	Wadhvani Foundation	Rs.24,241
6.	Dr.I.Sathik Ali, Dr.Latha Tamilselvan, Dr.M.Kabeer, Dr.N.Prakash, Dr.G.Kavitha, Dr.P.Latchoumy, Dr.L.Shakkeera, Ms.R.Priyadarshini, Mr.N.Rajendran, Ms.Nabeena Ameen,	Artificial Intelligence, Machine Learning and Deep Learning	Workshop	07.03.2019 & 08.03.2019	Dcrew IT Solutions Pvt.Ltd.	--

	Dr.P.Gnanasekaran					
7.	Ms. R. Priyadarshini	Big Data Computing	FDP	January - April 2019	NPTEL	--
8.	Dr. L.Shakkeera	Joy of Computing Using Python	FDP	January - April 2019	NPTEL	--
9.	Dr.P.Latchoumy	Introduction to Soft computing	FDP	January - April 2019	NPTEL	--
10.	Dr.G.Kavitha	Introduction to Soft computing	FDP	January - April 2019	NPTEL	--
11.	Ms. R. Priyadarshini	Internet of Things	FDP	July-December 2018	NPTEL	--
12.	Dr.I.Sathik Ali	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--
13.	Dr.Latha Tamilselvan	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--
14.	Dr.M.Kabeer	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--

15.	Dr.N.Prakash	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--
16.	Dr.G.Kavitha	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--
17.	Dr.P.Latchoumy	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--
18.	Mr.N.Rajendran	Academic Leadership	Training Programme	01.04.2019 to 07.04.2019	B.S.A CIST in association with MHRD	--
19.	Ms. Nabeena Ameen	Usage of Raspberry PI in Machine Learning Environment	FDP	03.04. 2019	Faculty Training Academy, B.S.A.CIST	--
20.	Dr.L.Shakkeera	Soft Skill Training for Teaching Staff	FDP	28.03.2019 to 03.04.2019	Faculty Training Academy, B.S.A.CIST	--
21.	Dr.Latha Tamilselvan	e-learning and MOOCs in Higher Education	Seminar	09.03.2019	Guru Angand Dev Teaching Learning Center	--

					of MHRD	
22.	Dr.N.Prakash	e-learning and MOOCs in Higher Education	Seminar	09.03.2019	Guru Anand Dev Teaching Learning Center of MHRD	--
23.	Dr.G.Kavitha	e-learning and MOOCs in Higher Education	Seminar	09.03.2019	Guru Anand Dev Teaching Learning Center of MHRD	--
24.	Dr.P.Latchoumy	e-learning and MOOCs in Higher Education	Seminar	09.03.2019	Guru Anand Dev Teaching Learning Center of MHRD	--
25.	Dr.L.Shakkeera	e-learning and MOOCs in Higher Education	Seminar	09.03.2019	Guru Anand Dev Teaching Learning Center of MHRD	--
26.	Mr.N.Rajendran	e-learning and MOOCs in Higher Education	Seminar	09.03.2019	Guru Anand Dev Teaching Learning Center of MHRD	--

27.	Dr.I.Sathik Ali	Soft Skill Training	FDP	12.03.2019 to 18.03.2019	Faculty Training Academy ,BSACIST	--
28.	Ms.Nabeena Ameen	Soft Skill Training	FDP	12.03.2019 to 18.03.2019	Faculty Training Academy ,BSACIST	--
29.	Dr.M.Kabeer	Cloud Computing	FDP	Feb 2019 - April 2019	NPTEL	--
30.	Dr.P.Latchoumy	Introduction to Big Data Analytics	FDP	28.01.2019 to 29.01.2019	Chennai Institute of Technology	--
31.	Dr.L.Shakkeera	Applied Data Science	Workshop	28.01.2019	d'labs academy for applied data sciences	--
32.	Dr.P.Gnanasekaran	Applied Data Science	Workshop	28.01.2019	d'labs academy for applied data sciences	--
33.	Ms.A.Sonya	Applied Data Science	Workshop	28.01.2019	d'labs academy for applied data sciences	--
34.	Ms.Nabeena Ameen	Big data analytics using hadoop	Workshop	12.09.2018	IT Dept., B.S.A. CIST	--

35.	Ms.A.Sonya	Big data analytics using hadoop	Workshop	12.09.2018	IT Dept., B.S.A. CIST	--
36.	Ms. Nabeena Ameen	Predictive modeling using R	FDP	02.11.2018	B.S.A. CIST	--
37.	Dr.L.Shakkeera	Predictive modeling using R	FDP	02.11.2018	B.S.A. CIST	--
38.	Ms.A.Sonya	Predictive modeling using R	FDP	02.11.2018	B.S.A. CIST	--
39.	Dr.L.Shakkeera	Basic Course in Entrepreneurship	FDP	June – November 2018	Wadhvani Foundation	Rs.14,707
40.	Dr.Latha Tamilselvan	Cloud Computing and Distributed Systems	FDP	August to October 2018	NPTEL	
41.	Dr.G.Kavitha	Cloud Computing and Distributed Systems	FDP	August to October 2018	NPTEL	
42.	Dr. L.Shakkeera	Cloud Computing and Distributed Systems	FDP	August to October 2018	NPTEL	--
43.	Dr.M.Kabeer	Blockchain Architectural Design and Usecases	FDP	August 2018 to October 2018	NPTEL	--
44.	Dr.G.Kavitha	IBM CE –Database Management System	FDP	02.07.2018 to 06.07.2018	IBMCE – Career Education	--

					Program	
45.	Ms.R.Priyadarshini	IBM CE –Database Management System	FDP	02.07.2018 to 06.07.2018	IBMCE – Career Education Program	--
46.	Mr.N.Rajendran	IBM CE –Database Management System	FDP	02.07.2018 to 06.07.2018	IBMCE – Career Education Program	--
47.	Ms.R.Mythily	IBM CE –Database Management System	FDP	02.07.2018 to 06.07.2018	IBMCE – Career Education Program	--
48.	Dr.L.Shakkeera	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20.07.2018 to 22.07.2018	Research Office, B.S.A.CIST	--
49.	Ms.A.Sonya	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20.07.2018 to 22.07.2018	Research Office, B.S.A.CIST	--
50.	Dr.G.Kavitha	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20.07.2018 to 22.07.2018	Research Office, B.S.A.CIST	--



7. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
3	-	11	-	-	-	4	4	22

8. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

A. International Journal& National Journal

a) SCI/Scopus Indexed Journal :

1. Kavitha Subramaniam and Latha Tamilselvan, "Buffer Node Selection and Buffer Management Protocol for Multicast Streaming In MANET", Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, 04-Special Issue, pp.78-89, 2019.
2. Kavitha Subramaniam and Latha Tamilselvan,"Resource allocation and rate adaptation for multicast of real-time traffic in MANET", International Journal of Mobile Network Design and Innovation, Vol: 08, No: 1, pp. 17-26, 2018.
3. Nabeena Ameen,,Dr.Najumnissa Jamal and Dr. Arun Raj , "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, pp. 441-455, 2019.

4. Hamzah Ali Arishi, Dinesh Mavaluru and R Mythily, "Block chain Technology and its Applications for Virtual Education", Journal of Advanced Research in Dynamical & Control Systems, Vol.10,13-Special Issue, pp. 1780-1785, 2018.

b) Other journals :

1. P. H. Habeebur, Rahman, Navaneeth, Jawahar, K. Bushra, Sultana and N. Rajendran, "Physical Harassment Detection Using Deep Learning", Journal of Emerging Technologies and Innovative Research, vol.6, no.5, pp. 54-58, May 2019. (UGC Journal).
2. A. Sonya and C. Dinesh Kumar, "Clustering of Storing Sensitive Data By Using Cloud System Technology", International Journal of Engineering Research and Management Technology, vol.5, no.5, pp: 23-28, September 2018. (UGC Journal).
3. A. Sonya and C. Dinesh Kumar, "Automatic Sensing and Tracking Technology by Using Global Positioning System" International Journal of Management Technology and Engineering, vol.8, no.12, pp. 4032-4037, December 2018. (UGC Journal).
4. Prakash N and Arun Prakash T, "Empirical Analysis of Wrapper Classes with Real-Time Implication", International Journal of Science and Innovative Engineering & Technology, vol 3, pp.1-7, 2019.

B. International Conference & National Conference

a) Conference with ISBN Proceedings :

1. Nivetha Thirumagal and G. Kavitha, "Precise Location Verification of Vehicles in Intelligent Transportation System Using Enhanced Distance Bounding Approach", in International Conference on Advanced Scientific

Innovation in Science, Engineering & Technology (ICASISSET 2019), Bharat Institute of Higher Education & Research, Chennai, April 2019.

2. Sherin, Vidhya, Divya and Dr. Sathik Ali , “Self- Monitoring Automated Trash using IOT”, in International Conference on Advanced Scientific Innovation in Science, Engineering & Technology (ICASISSET 2019), Bharat Institute of Higher Education & Research, Chennai, April 2019.
3. S.K. Shareen, S. Vidhya, M.Divya and I.Sathik Ali, “Self-Observing Automated Trash Bin and Monitoring System using IoT”, in National Conference on Recent Trends in Computer Science and Mathematics, BSA Crescent Institute of Science & Technology, Chennai, April 2019.
4. Kowshal.A and Dr.L.Shakkeera “ Developing Secure Cloud Framework for Industrial Sectors to Access Trusted Services”, in International Conference on Advanced Scientific Innovation in Science, Engineering & Technology (ICASISSET 2019), Bharat Institute of Higher Education & Research, Chennai, April 2019.
5. Hem Prasanth.K.C, Sabareesh.M, Sumaiya Begum.I and Dr.L.Shakkeera, “Cloud Database Protection using Blockchain Technology for Online Voting System”, in International Conference on Advanced Scientific Innovation in Science, Engineering & Technology (ICASISSET 2019), Bharat Institute of Higher Education & Research, Chennai, April 2019.
6. Amit Alex and R.Priyadarshini,“Semantic Modelling of Text Documents Using Classification and Methontology”, in International Conference on Advanced Scientific Innovation in Science, Engineering & Technology (ICASISSET 2019), Bharat Institute of Higher Education & Research, Chennai, April 2019.
7. A.Sonya and G.Kavitha, “Effective Approaches for Securing Sensitive Data and Supporting Multi Data Applications in cloud Forensics Environment”, in 4th International Conference on Trends in Information Management , Engineering and Sciences, Hyderabad, December 2018.

8. Shahbaz Afzal and Kavitha.G, "Optimization of Task Migration Cost in Infrastructure Cloud Computing Using IMDLB Algorithm", in IEEE International Conference on Circuits and Systems in Digital Enterprise Technology(ICCSDET), SAINTGITS College of Engineering, Kerala, December 2018.
9. Kavitha.G, Saveen Baskar and Nomaan Imtiaz, "Discovering Public Opinions by Performing Sentimental Analysis on Real Time Twitter Data", in IEEE International Conference on Circuits and Systems in Digital Enterprise Technology(ICCSDET), SAINTGITS College of Engineering, Kerala, December 2018.
10. Navin Chandar.J and Kavitha.G, "Improving query results in Ontology based Case-Based Reasoning by dynamic assignment of feature weights", in 3rd International Conference on Advanced Computing and Intelligent Engineering (Springer), Siksha O Anusandhan Deemed to be University, Bhubaneswar, December 2018.
11. Shahbaz Afzal and Kavitha.G, "A Taxonomic Classification of Load Balancing Metrics- A Systematic Review", in 33rd Indian Engineering Congress, Institution of Engineers, Udaipur, December 2018.
12. Priyadarshini, Latha Tamilselvan and N.Rajendran, "Semantic Retrieval of Web documents using Topic Modeling based weighted Nearest Neighbourhood Technique", in International Conference on Applied Science, Management & Technology, Kuala Lumpur, Malaysia, January 2019.
13. R.Priyadarshini, Latha Tamilselvan and N. Rajendran, "Extraction and Abstractive Summarization of Context Based Data Using Syntactic and Semantic Analysis for Business Enabled Websites", in International Conference on ECEIC 2019, Sri Chandrasekhar University, Kanchipuram, January 2019.
14. Nabeena Ameen, Dr. D. Najumnissa Jamal and Dr. L. Arun Raj, "Cloud Computing Environment To Data Sharing By Optimized Dynamic Multipath Routing Protocol Using Ant Colony Optimization", in 11th National Conference on Signal Processing Communication and VLSI Design, Anna University, Coimbatore, April 2019.

9. Details of Impact Factor Of The Publication and H-Index

A) Range : 1-250 B) Average : 0.111 C) H-Index : 7 D) No. In Scopus : 04

10. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1.	Dr.N.Prakash Mr.N.Rajendran	DST	Demand based cost effective organic farm management system	--	--	--	--	Submitted - August 2018

11. Details of Testing / Consultancy works & amount generated

S. No.	Details of Testing / Consultancy work	Date of receipt of order	Date of report submission	Amount received (Rs.)	Faculty involved	Status
1	Setting up of mobile cloud computing facility	03.10.2018	December 2018	Rs.10,000	Dr. L.Shakkeera	Completed
2	Consultancy for setting up cloud lab	23.03.2018	April 2019	Rs.25,000	Dr. Latha Tamilselvan	Completed

3	Consultancy for setting up cloud lab	23.03.2018	April 2019	Rs.25,000	Dr. G.Kavitha	Completed
4	Testing Modern Web Applications	20.03.2019	June 2019	Rs.10,000	Ms. R.Priyadarshini	Completed
5	Testing Modern Web Applications	20.03.2019	June 2019	Rs.10,000	Mr. N.Rajendran	Completed
6	ERP Applications	18.03.2019	--	--	Dr. P.Latchoumy	Ongoing
7	Design and Testing Consultancy for Mobile App Development	11.09.2018	July 2019	Rs.12,000	Mr. N.Rajendran & Ms. R.Priyadarshini	Ongoing

12. Details of Major Equipment Purchased (Financial year 2018-19) :

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Computer Systems 60 Nos.	Lenova, India	12.4.2019	Rs.26,23,980	Yes	

13. Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Dr.L.Shakkeera	Book Title - Springer Advances in Intelligent Systems and Computing (AISC) Chapter Title - Efficient Collaborative Key Management Protocol for Secure Mobile Cloud Data Storage	30.19 (Euro)	--	Springer, Singapore	September, 2018

14. Patents :

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1	Energy-Efficient Adaptive Optimization Framework for Mobile Cloud Computing	25-04-2019	17-05-2019	Not yet	Nil

15. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Mr. Arvind Bharani	Universiti Teknologi Mara	Malaysia	Satellite project "CRESCENTSAT"	24 th -28 th March 2019	Gained knowledge from International renowned Institution

16. Achievements of Staff

S.No	Name of the Faculty	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr.G.Kavitha	Top Performing Mentor	NPTEL	November 2018
2	Dr.Latha Tamilselvan	Topper of 5%	NPTEL	November 2018

17. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Ms.Ayesha Naaz	120081601008	Elite Certification – Cloud Computing and Distributed	NPTEL	November 2018

			Systems		
2.	Ms.K.Chitra	160081601009	Elite Certification – Cloud Computing and Distributed Systems	NPTEL	November 2018
3.	Ms.Nivedha.R	160081601040	Elite Certification – Cloud Computing and Distributed Systems	NPTEL	November 2018
4.	Ms.Soundhari.N	160081601050	Elite Certification – Cloud Computing and Distributed Systems	NPTEL	November 2018
5.	Ms.D.Gomathi	160081601060	Elite Certification – Cloud Computing and Distributed Systems	NPTEL	November 2018
6.	Mr. N. Mohamed Yasar Arabate	160081601033	Elite Certification – Cloud Computing and Distributed Systems	NPTEL	November 2018
7.	Mr. Z. Mohamed Moosa	160081601028	Elite Certification – Cloud Computing and Distributed Systems	NPTEL	November 2018

18. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Set up of IT Lab 1	1 Month	Dr.P.Gnanasekaran	To provide hands-on practice on new state of art technologies.	Learn new technologies through workshops.

19. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	Binary Series Pvt. Ltd.- Level up at Crescent Innovation and Incubation Council (CIIC), BSACIST	Faculty Mentor Ms. R. Priyadarshini	June 2019	Ongoing		--
2.	M/s Sirpi Software Pvt Ltd, Crescent Innovation and Incubation Council (CIIC), BSACIST	Faculty Mentor Mr. N. Rajendran	June 2019	Ongoing		--
3.	M/s Rekindle Automations Pvt Ltd, Crescent Innovation and Incubation Council (CIIC), BSACIST	Faculty Mentor Mr. N. Rajendran	June 2019	Ongoing		--

20. Professional Society Activities :

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome
			Faculty	Students	Others		
1	Society of Information Technologists	Technical symposium	--	90	-	Mr. K. Mohammed Rafi, Senior Vice President, Pathfinder Global FZCO, Chennai	A keynote address on “Data Analytics: Present and Future” was presented. Provide internship for our students



21. Extension Activity Conducted:

S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Program me duration	Outcome
		Faculty	Student	Others			
1	Open House Exhibition	12	300	75	School Students, teachers & Parents	1 day	Students exhibit their innovative ideas & projects Admission has improved



Department of Computer Applications

1. New Programmes Started

S.No	Name of Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1.	BCA (Multimedia and Web Application Development)	June 2019	7.01.2019	Approved	Approved	Approved

2. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Spoken Tutorial Project ,IIT Bombay	Jan-May 19	1 Semester	Spoken Tutorial Project ,IIT Bombay	78	4	

3. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others

1	Multimedia and its Applications	July 2018- Dec 2018	45 hrs	MAC Academy	III Semester BSc(CS)	-
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4. Conferences / FDP / Seminars / Workshops Organized

S. 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.	Guest Lecture On Cloud Security	Seminars	16/08/2018	TVFPLAY	Mr. Jaya Krishnan	Mr. Raja P &Ms. Nivitha J	BCA CTIS &MAIS (IIIrd Year)		
2.	Migration Of Applications To Cloud	Seminar	04/10/2018	TVFPLAY	Mr. Jaya Krishnan	Mr.Syed Younus Ahmed	BCA CTIS (II nd Year)		
3.	Introduction To Android And Introduction To IOS	Seminar	04/10/2018	KBP Smarther Solutions PVT Ltd	Mr .Hari Prasad	Ms.Swati Kumari	BCA(MAIS)		
4.	Python For	Workshop	04/10/2018	Cognizant	Mr.Saravanan	Ms.G.Veni	B.C.A.(Data		

	Machine Learning				Govindasamy	Devi	Sc) – II Year		
5.	Placement Session On Roads For A Career Ahead	Seminar	04/10/2018	SHAR Technologies Private LTD	Mr. Suresh Mynampati	Mr.James Ajoor	BCA (CTIS,MAIS ,DS)2nd Year		
6.	Ethical Hacking	Workshop	08/10/2018	Twin Tech Solutions PVT LTD	Mr. Velayutham Selvaraj	Mr.P.Raja	B.C.A CTIS &MAIS (2nd Yer)		
7.	Soft Skills Session	Seminar	12 th , 14 th And 15 th Sept,2018	Barclay's Connect With Work	Mr. Raj Prabhu	Ms. Tavleen Kaur	III Yr BCA (CTIS,MAIS) , BSc Final Year		
8.	One day workshop on Ethical Hacking.	Workshop	23.1.2019	Tata Consultancy Services Limited	Mr.W.Jayadee p Prasad Systems Engineer , TCS,Chennai		Final year BCA &BSC	-	-
9.	Two days workshop on	Workshop	29 th &30 th Jan 2019	Valgenesis & Tech	Mr.Santhosh Tech Mahindra		Final year BCA &BSC		

	Cloud Computing.			Mahindra	Mr.Hariganesh, Valgenesis				
10	One day workshop on Artificial Intelligence- Machine Learning & Softskills	Workshop	8.2.2019	-	Mr.Siva prasad, CEO&Team Lead, Fresh Skills Private Ltd.				Final year BCA &BSc
11	One day workshop on Web Development & Soft Skills	Workshop	15.02.2019	-	Mr. Mehavel, Senior-Consultant CTS,Chennai				Final year BCA &BSc
12	Two days workshop on Development of applications using java	Workshop	15.02.2019	16.2.2019	Mr.Mehavel.A Senior-consultant@CT S.		II Year BSc(CS)		
13	One day workshop on ios App	Workshop	26.02.2019	BitCot	Mr.Ashish Jain Senior ios		BCA & BSc(CS)		

	development .				Mobile Application engineer BitCot.				
14	A guest lecture on Basic Applications using Machine Learning .	guest lecture	9.4.2019	Imaginea Technologies Inc.	Mr.Rehan Guha Data Scientist at Imaginea Technologies Inc.		Students from BCA		
15	Career guidance Programme	Career guidance Programme	18.3.2019	-	Mr.Sivaprakash , Senior DGM Head, Information systems , L&T Mr. Gopinath Path finder (Alumni of MCA Programme)		II YEAR MCA		

16	Guest Lecture on PHP Basics and Ajax	Guest Lecture	April 2019	-	Ms.Vishnupriya , Fresh Skills Private Ltd.		II Year MCA		
17	National level technical Symposium “Cybercrest-2019”	Symposium	12.03.2019	-	Mr.Sivarama Krishnan Senthatty, Global Head, Technological Services, TCS,Chennai		MCA.BCA & BSc		Final year MCA ,BCA &BSc (cs)
18	Two -day national conference on Recent Trends in Computer Science and Mathematics	conference	4 th -5 th April 2019	-	Mr. Rajendran Dandapani, Director-Business Solutions Evangelist, Zoho Corporation Mr. Gajendran Ganesh Pandian			Staff member from other institutions	

					Teach Lead Paypal. Dr.Chellappan ,Prof,Anna University,Che nnai Dr. P. Jayashree Professor,MIT, Chennai				
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5. 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.	National Conference on Recent Trends in Computer Science and Mathematics- RTCSM	4-4-2019 &5-4-2019	Rs 75000/	Received more than 100 research articles for technical review ,from which 38 papers were selected by the technical committee members .those papers were presented and

				published in the conference proceedings with ISBN: 978-93-88398-88-6
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6. Conferences / FDP / Seminars / Workshops Attended

S.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.	Prof. Bernadetta Kwintiana Ane	Cybersecurity and Industrial Control Systems	Professional Development Seminar	11 April 2018	IEEE Continuing Education	NIL
2.	Mrs.V.Muthupriya	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20th July to 22nd July 2018.	Dean (Research) at B.S.Adur Rahman Crescent Institute of Science and Technology	NIL
3.	Mrs.V.Muthupriya	Innovative Presentation	FDP	28th June	Faculty Training	NIL

		Skill		2018	Department, BS Abdur Rahman Crescent Institute of Science and Technology	
4.	Preeti Verma	Computational Intelligence for Multimedia	FDP	13th may - 17th may 2019	NIT Trichy	NIL
5.	Preeti Verma	Introduction of Machine Learning and Deep Learning	Continuing Education and Quality Impovment Program (CE & QIP)- IIT Bombay	23rd feb - 25th feb 2019	NIT Trichy	NIL
6.	Preeti Verma	Pattern recognition and Computational Intelligence	Workshop	24th jan - 25th jan 2019	NIT Trichy	NIL
7.	P.Padmavathy	One day workshop on Applied Data Science	Workshop	28 th Jan 2019	Dept of CSE/BSACIST in Association with	NIL

					Dlabs Pathfinder initiative	
8.	P.Padmavathy	Elearning and MOOCs in Hgher Educaton	National Seminar	9th March 2019	Guru Angad Dav teaching and Learning entre of MHRD,U8noversity of Delhi	NIL
9.	Dr.Shahar Banu	One day workshop on Applied Data Science	Workshop	28 th Jan 2019	Dept of CSE/BSACIST in Association with Dlabs Pathfinder initiative	NIL
10.	Dr.Shahar Banu	Elearning and MOOCs in Hgher Educaton	National Seminar	9th March 2019	Guru Angad Dav teaching and Learning entre of MHRD,U8noversity of Delhi	NIL

11.	Prof. Gufran Ahmad Ansari	Python	Workshop	22nd June 2019	IIT Bombay	NIL
12.	Prof. Gufran Ahmad Ansari	Artificial Intelligence and machine learning using Python	FDP	24-29 June 2019	NIT Warangal jointly organized with KL University Off campus Hyderabad	NIL
13.	Prof. Bernadetta Kwintiana Ane	IEEE Second International Conference on Engineering Science and Advance Research (ESAR'19)	International conference	13-15 March 2019	IEEE and Rama University Uttar Pradesh, Kanpur	NIL
14.	Dr. S. Pakkir Mohideen	National seminar on e- learning and MOOCs in Higher Education	National Seminar	9th March 2019	MHRD, Govt. of India	Nil

15.	Dr. S. Pakkir Mohideen	Training Programme on Academic Leadership	FDP	01-07 April 2019	MHRD, Govt. of India	Nil
16.	R. Shahtaj	Recent Trends in Computer Science and Mathematics	National Conference	4/4/2019-5/4/2019	School of Computer Information and Mathematical science	NIL
17.	R. Shahtaj	Python	Workshop	22nd June 2019	IIT Bombay	NIL
18.	Dr N Ayyanathan	International Conference on Science Technology Engineering and mathematics	International conference	14-03-2019 to 15-03-2019	Jappiarr Engineering College, Chennai	NIL
19.	Dr N Ayyanathan	Training Programme on Academic Leadership	FDP	01-04-2019-07-04-2019	MHRD, GOVT OF INDIA	NIL
20.	Dr N Ayyanathan	HR	International conference		CRESCENT	NIL
21.	Mrs.V.Muthupriya	Recent Trends in Computer Science and Mathematics	National Conference	4/4/2019-5/4/2019	School of Computer Information and Mathematical science	NIL

22.	Mrs.V.Muthupriya	National seminar on e-learning and MOOCs in Higher Education	National Seminar	9th March 2019	MHRD, Govt. of India	NIL
23.	Mrs.V.Muthupriya	Compiler Design	Online Training Course	25thFeb to 27th April 2019	NPTEL	NIL
24.	Mrs.V.Muthupriya	Joy of Python	Online FDP	25thFeb to 27th April 2019	NPTEL	NIL
25.	Mrs.V.Muthupriya	Patent Drafting Filing	Online FDP	24th to 28th June 2019	Chase Research and Development Solutions	NIL
26.	Mr.A.Salman Ayaz	Data Mining	Online FDP	25thFeb to 27th April 2019	NPTEL	NIL
27.	S.Prathiba	Introduction to Soft Computing	Online FDP	January-March 2019	NPTEL	NIL

28.	S.Prathiba	Cloud Computing	Online FDP	25thFeb to 27th April 2019	NPTEL	NIL
29.	Rizwan Alam	Python	Workshop	22nd June 2019	IIT Bombay	Nil
30.	Rizwan Alam	Applications of Image Processing using MATLAB	FDP	2/05/2019- 03/05/2019	Faculty Training Department, BS Abdur Rahman Crescent Institute of Science and Technology	Nil
31.	Rizwan Alam	Elearning and MOOCs in Hgher Educaton	National Seminar	9th March 2019	Guru Angad Dav teaching and Learning entre of MHRD,U8noversity of Delhi	Nil
32.	Mr.Niaz Ahamed	TEACHING TECHNIQUES conducted by ICTacademy	FDP	11th feb - 12th feb	BSACIST-chennai	Nil

33.	Mr.Niaz Ahamed	Recent Trends in Computer Science and Mathematics	National Conference	4/4/2019-5/4/2019	School of Computer Information and Mathematical science	Nil
34.	Dr. Shree Devi	Recent Trends in Computer Science and Mathematics	National Conference	4/4/2019-5/4/2019	School of Computer Information and Mathematical science	Nil
35.	Dr. Diwan Masood	Python	Workshop	22nd June 2019	IIT Bombay	NIL

7. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
18	-	-	1	-		4	-	23

8. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

International Journal& National Journal

SCI/Scopus Indexed Journal :

1. P.G.OmPrakash ,Dr.A.Jaya ,”Analyzing and Predicting User Navigation Pattern from Weblogs using Modified Classification” in Indonesian Journal of Electrical Engineering and Computer Science , PISSN 2502-4752, EISSN 2502-4760 ,Vol 11,No1, ,pp 333-340 , July 2018
2. P.G.OmPrakash ,Dr.A.Jaya ,”Predicting The User Behaviour From Weblogs by Improved Span Classification”, in International Journal of Pure and Applied Mathematics ISSN: 1311-8080 E-ISSN: 1314-3395,vol (119),No(16),pp 4187-4199 , July 2018 .
3. R.Mervin Dr.A.Jaya, “A Novel Approach to Mapping for KBQA System Using Ontology” , in Springer Nature Singapore Pte Ltd. on Emerging Research in Computing, Information, Communication and Applications, pp 89 – 97, Aug 2018

Other journals:

1. Wasiur Rahman , Gufran Ansari ,Babita Pandey ,Devendra Pandey ,” Software fault prediction based on change metrics using Hybrid Algorithms : An empirical study”, in Journal of King Saudi University – Computer and Information Sciences, May 2019.

International Conference & National Conference

International Conference:

- Dr.N.Ayyanathan ,published a paper “An Implementation of Energy Demand forecast using J48 and Simple K means” in IEEE 5th International Conference on Science Technology Engineering & Mathematics ,March 2019 .
- M.Ramamoorthy ,N.Ayyanathan ,Padma Usha ,published a paper”Robust Time Optimization inHD Video Surveillance System “,in International Journal of Innovative Technology and Exploring Engineering ,May2019 .

National Conference

Conference with ISBN Proceedings:

- Dr. N.Ayyanathan J.Danalakshmi,” An Implementation Of Sustainable Energy Model Using Multilayer Perceptron And EM Algorithm”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications ,ISBN 0789399398886 ,April 2019 .
- H.Abdul Malik ,S.Keerthana.J.Abdul Mohamed,” Alcohol Detection and Accident Prevention InBluetooth Enabled Smart Helmet In Motorbikes Using IOT”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886, April 2019 .
- Jalaludeen M, K S Gaayathre,Haris Iqbaland Nowsath Ali ,” A Domain Oriented Android Based Children Tracking System Using Zigbee”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019 .

- Rizwan, Ali Basha ,Md Amir Sohail ,S.PakkirMohideen,” Secure and Efficient Attribute-Based Access Control For Multi Authority Cloud Storage”, MI Jahaber Shaik Allavudeen, ISBN 0789399398886. April 2019 .
- M Mohamed Fairojudeen, Jahaber Shaik Allavudeen, Md Fasil “Password Less Authentication System” National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019 .
- Ajmal Basa B, Md Haja Ifthikarudeen ,” Vehicle Accident Alert with Location Using GSM And GPS”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 April 2019 .
- Isvarya ,Divya ,Meera V. Muthupriya,” An Innovative Methodology Using Bigdata Visualization for Telemedicine”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 April 2019 .
- Lalitha lakshmi ,Jayashree ,Mohamed Shakeel P.Padmavathy,” Development of an Online Bus Ticket Reservation”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 April 2019 .
- Kiruba Sankar ,S.Shahar Banu,” Secure Medical Data transmission using cloud”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 April 2019 .
- A.Salman Ayaz ,A. Jaya,” Online Document Recommender System Architecture”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 April 2019 .

- Gopi Krishnan R, Mohamed Abdul Hameed .I, Abubacker Siddique M,” Heart Disease Based RiskPrediction Using Dataset’s”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019 .
- M.Saranya, Safiya Parvin.A,” Gyroscopic Balancing System In A Wheelchair”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019
- Shahtaj R,” Delay And Congestion Level Based Transmission Control Protocol”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019
- A.Firdos, A.Fousia Begum,B.Bhakya Lakshmi”, Trolley System Based on Android”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019 .
- Mohammad Yameen Khan, Zameer Gulzar,” Advanced Emotion Based Music System Using Hybrid Technique” National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019 .
- Y.Nasir Ahmed ,Muhib Anwar Lambay S. PakkirMohideen” A Model For Effective Data Management In Exam Automation With Document Studio Using Cloud Computing”, ” National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019 .
- N.Nikitha,” Edifice Prediction In Sensor Data Using Artificial Neural Network”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019

- S.Priyanka,” Digital Industry Network Management Of Factory Statistics Information System”, National Conference on Recent Trends in Computer Science and Mathematics conducted by department of Computer Applications , ISBN 0789399398886 ,April 2019

9. Details of Impact Factor Of The Publication and H-Index

A) Range : 0.13 -0.24 B) Average : 0.25 C) H-Index : D) No. In Scopus : 2

10. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1.	Dr N Ayyanathan Associate Professor- CA BSARCIST Mrs Dhanalakshmi- Research Scholar BSARCIST	Tamil Nadu State Council for Science & Technology Chennai Tamil nadu	A Big Data Framework for Indian Southern Region Power Distribution Systems and Energy Analytics of Power Grid Operations.	In Process	-	-	-	-

11. 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.	Energy Analytics	29-09-2018	In Progress	50,000	Dr N.Ayyanathan	In progress

12. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	INTEL I7 SYSTEMS	LENOVO ,INDIA	12-04-2019	17,40,375	YES	

13. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Dr.A.Adbul Azeez Khan	Universiti Teknologi MARA	Malaysia	Knowledge Sharing in administration Leadership	06-Aug-2017 to 11-Aug-2017	Implemented Administration Monitoring Practices

2	Dr.A.Adbul Azeez Khan	Educational Expo Dubai	Dubai	University Participation in Dubai International Educational Expo Visit to Gibraltar Technologies – our sister concern company	15-Apr-2019 to 20-Apr-2019	Students from UAE were joined in our university for admission 2019 MoU has been signed between BSACIST and Gibraltar Technologies to train our student based on technical market demand in UAE.
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14. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Mrs.V.Muthupriya	Elite + Silver Certificate	NPTEL	MAY 2019

2	S.Prathiba	Elite + Silver Certificate and one of the toppers in the course Cloud Computing	NPTEL	MAY 2019
3	A.Salman Ayaz	Elite Certificate for course on Data Mining in NPTEL course	NPTEL	MAY 2019
4	Dr N Ayyanathan	Outstanding contribution in Reviewing	Applied Soft Computing Journal, ELSEVIER	OCTOBER 2018

15. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Mohammed Hasan Ali A	161351601066	Participated Techispark	Crescent	March 2019
2.	Dhanalakshmi	161351601010	Participated Techispark	Crescent	March 2019
3.	Ramya. V	161351601034	Participated Techispark	Crescent	March 2019
4.	JAYABHARATHI .R	171351601040	Participated Brain Teaser	Crescent	March 2019
5.	DARSHIKA A	171351601022	Participated Brain Teaser	Crescent	March 2019

6.	JISHA SUNNY .S	171351601043	Participated Brain Teaser	Crescent	March 2019
7.	Dhanalakshmi	161351601010	Learn C-Course completion	Udemy	Oct 2018
8.	Dhanalakshmi	161351601010	Introduction to Cloud Computing	Udemy	Oct 2018
9.	Shaik Muhammed. R	161351601043	Participated COGNIT'18	MNMJain	August 2018
10	Mohamed akthar m	161361601008	Virtualization for Beginners- Course completion	VMWare Academy	Oct 2018
11	Ramya.S	161351601033	Virtualization for Beginners- Course completion	VMWare Academy	Oct 2018
12	Ronald Vivian Edison. A	161351601037	Participated Brain Teaser	Crescent	March 2019
13	Ramya. V	161351601034	Participated Techispark	Crescent	March 2019
14	Reymon Philmin Raj. J	161351601036	Participated Bugfuse	Crescent	March 2019

16. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Guest Lecture On Cloud Security	16/08/2018	Mr. Raja P &Ms. Nivitha J BCA CTIS &MAIS (IIIrd Year)	To discuss various applications of cloud services.	Design applications by integrating cloud services.

2	Seminar on Migration Of Applications To Cloud	04/10/2018	Mr.Syed Younus Ahmed BCA CTIS (II nd Year)		
3	Two days workshop on Cloud Computing.	29 th &30 th Jan 2019	Final year BCA & BSC		
4	Seminar on Introduction To Android and Introduction To IOS	04/10/2018	Ms.Swati Kumari BCA(MAIS)	To familiarize the concepts of IOS and its applications.	Develop small applications using IOS.
5	One day workshop on ios App development .	26.02.2019	BCA & BSc(CS)		
6	Workshop on Python For Machine Learning	04/10/2018	Ms.G.Veni Devi B.C.A.(Data Science) – II Year	To discuss various features of artificial intelligence and machine learning.	Implement simple python programs. Learn various AI and machine learning techniques.
7	A guest lecture on Basic Applications using Machine Learning .	9.4.2019	Students from BCA	To understand the need for python in machine learning.	
8	One day workshop on Artificial Intelligence- Machine Learning & Soft skills	8.2.2019	Final year BCA & BSc	To improve the soft	Identify the inter-personality skills and improve accordingly.

9	One day work shop on Web Development & Soft Skills	15.02.2019	Final year BCA &BSc	skill among the student and staff.	
10	Seminar on Soft Skills Session	12 th , 14 th And 15 th Sept,2018	Ms. Tavleen Kaur III Yr BCA (CTIS,MAIS), BSc Final Year		
11	Workshop on Ethical Hacking	08/10/2018	Mr.P.Raja B.C.A CTIS &MAIS (2nd Year)	To learn new concepts in ethical hacking.	Apply ethical hacking techniques in different algorithms.
12	One day workshop on Ethical Hacking.	23.1.2019	Final year BCA &BSC		
13	Career guidance Programme	18.3.2019	II YEAR MCA	To give proper guidance to improve their career opportunity.	Analyze and apply them during placement.
14	Seminar on Placement Session On Roads For A Career Ahead	04/10/2018	Mr.James Ajoo BCA (CTIS,MAIS,DS)2nd Year		
15	Guest Lecture on PHP Basics and Ajax	April 2019	II Year MCA	To enrich basic knowledge in cutting edge technologies.	Understood the basics.

17. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	GB Power Projects Private Limited, Chennai	Research Consultancy	Sep, 2019	In progress		Research Publications

18. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	National Technical Symposium _CYBERCREST'19	Symposium	-	Students from various institutions		Mr. Sivarama Krishnan Senthatty, Global Head, Technological Services, TCS, Chennai	Students were motivated to present papers in conferences .they are able to work in team .	Conducted symposium in association with CSI .

19. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1.	Chennai Liver Foundation	Research	23	4	2019	Preparation of research Proposal	Ongoing research project
2.	Red Hat Academy					Planning to offer many value added programmes to our students to enrich their technical skills and increase their employability.	Established RedHat Lab and Planning to offer the Certification Programme “Red Hat Certified System Administrator (RHCSA)” to our students in our campus during Aug – Nov 2019.
3.	Jothna Software Solutions Pvt Ltd	Collaboration with CIIC- IVP as incubatee	15	7	2019	Developig the product” Vista Convert Portal “which converts leads into sales .	Ongoing project

20. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Dr. Khurram Mustafa,	Professor, Jamia Millia University, New Delhi	special lecture on IT Trends and Tipping Points	Delivered a special lecture on IT Trends .
2.	Dr.Manjaiah	Professor, Mangalore University, Mangalore	Research aspects in Computer Science	Delivered a special lecture on opportunities in IT industry and motivated the students to do their project in current research area.
3.	Mr. Rajendran Dandapani,	Director-Business Solutions Evangelist, Zoho Corporation	Delivered a invited talk on "Recent trends in computer science"	Insisted the students to acquire knowledge in areas of Web programming, Angular JS, PHP, R programming, Python for better employability prospects.

Annexure:

Workshops/Seminars organized:



Workshop on Cloud Computing



Workshop on Artificial Intelligence-Machine Learning & Soft Skills



Workshop on Web Development & Soft Skills



Workshop on Ios App development



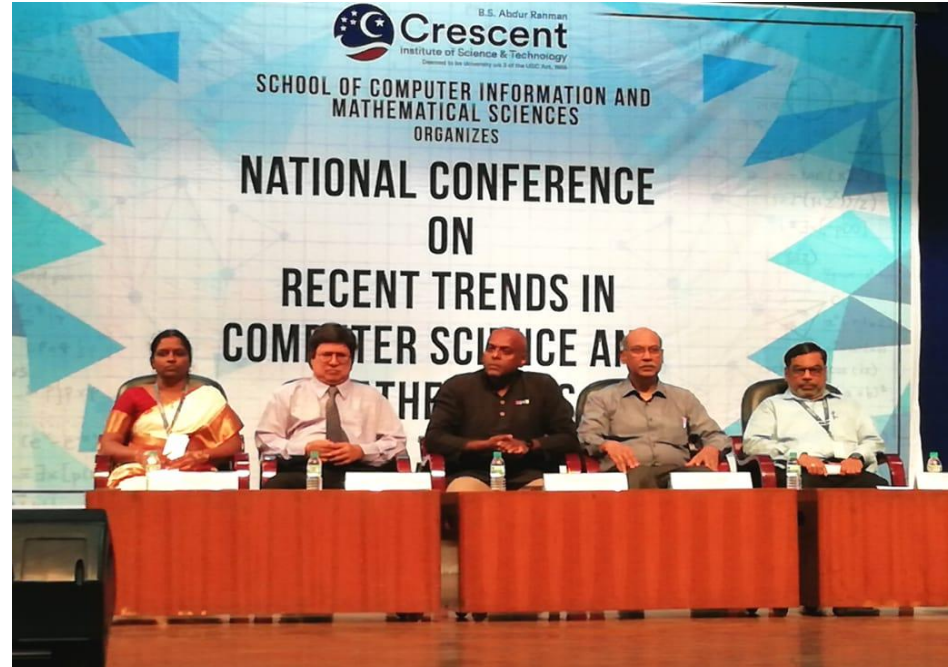
Guest lecture on Basic Applications using Machine Learning



Career guidance Programme



Society Activities _ Cybercrest '19



National Conference –RTCSM'19



National Conference –RTCSM'19

MoUs Signed



MoU signed with Chennai Liver Foundation



MoU signed with Jothna Software Solutions Pvt Ltd

Department of Mathematics & Actuarial Science

1. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Financial Awareness and Consumer Training (FACT	One day : 25th Sep. 2019	9 am to 4pm- 6 hours	National Centre for Financial Education	45	4	-



2. Conferences / FDP / Seminars / Workshops Organized

S. 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	Recent trends in CS and Mathematics	Conference	4/4/19 to 5/4/19	-	Prof. Subathra, Professor, Sairam Engg. College	15	20	10	12

3. Conferences / FDP / Seminars / Workshops Attended

WORKSHOP (WS)							
S No	Department	Name of the Faculty	Workshops Attended	Role	Title	Organised Institute	Date of Organization
1	MATHS & AS	T.R. Ramesh Rao	Two days National Workshop	Participated	CSIR Sponsored a Two Days National Workshop on "Computational Fluid	Department of Science & Humanities, P.A. College of	4 th & 5 th April, 2019.

					Dynamics: Research Tool for Analysis of Automotive Systems”	Engineering & Technology, Pollachi.	
Participation in National/International Conferences							
S No	Department	Name of the Faculty	Conferences Attended	Role	Title	Organised Institute	Date of Organization
1	Maths & AS	A. Bernick Raj	National Seminar	Participated	“National Seminar on e-Learning and MOOCs in Higher Education”	Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi in collaboration with and at Crescent Institute of Science & Technology, Chennai-48.	9 th March, 2019.

FDP/TP							
S No	Department	Name of the Faculty	FDP/TP	Role	Title	Organised Institute	Date of Organization
1	Maths & AS	Dr. C.D. Nanda Kumar, A. Bernick Raj, G. Kalaiarasan, J. Ravinder	FDP	Participated	Two Days Faculty Development Programme on “Applications of Image Processing Using Matlab”	Department of Faculty Training Academy, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai-48.	2 nd & 3 rd May, 2019.
2	Maths & AS	All Faculty Members	FDP	Participated	One-day FDP on “Effective Teaching Practices”	Department of Faculty Training Academy, B.S. Abdur Rahman Crescent Institute of Science and Technology,	3 rd July 2019.

						Vandalur, Chennai-48.	
Seminars & OTHERS							
S No	Department	Name of the Faculty	Attended	Role	Title	Organised Institute	Date of Organization
1	Maths & AS	Dr. T.R. Ramesh Rao		Reviewer	Certificate of Reviewing	Journal of King Saud University – Science Journals	Feb-2019

4. Papers Published/ Presented In Journals & Conferences(Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
6	-	4	-			4	3	17

5. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- **International Journal&National Journal**

- **SCI/Scopus Indexed Journal :**

1. Ashiq Mohd. Ilyas and S.Rajasekaran” An approach to estimate the outstanding loss reserve of the non-life insurer under solvency II regime”, Indian JI. Of Engineering & Technology,7(10)July 2018,375-379
2. C.D.Nandakumar,S.Srinivasan and R.Sathyamoorthy, “ Evaluation of reordering time in a manufacturing inventory division”.Intl. JI of Mathematics in Operations Research,13(7)July 2018,128-139
3. P.Vignesh, S.Srinivasan and Maragathasundari.””Analysisof a nonmarkovian modelsingle server batch arrival queueing system”,Intl.JI. of Operations Research, 34 (2) August 2018,28-53
4. Joice Punitha M and Sagaya Suganya, “Cover Pebbling Number ofSome Cycle Related Graphs, JI. Of Computer and math Sciences”. 10(6) June 2019,1332-1331

- **Other journals :**

1. T.R.Ramesh Rao, “Application of residual power series method for the solution of Korteweg-DeVries Equation”, International J. Of Pure & Applied Mathematics”119(13) Sep. 2018, 41-49
2. T.R.Ramesh Rao, “Dominated coloring of mycielskian graphs”, International J. Of Pure & Applied Mathematics”119(13) Sep. 2018, 21-29
3. T.R.Ramesh rao,Analysis of residual power series method”, JI. Of Physics, 1139(10) Oct. 2018,245-253

- **National Conference with ISBN Proceedings :**

PROCEEDINGS IN NATIONAL CONFERENCES					
SNo	Authors	Presentation Title	Conference Title	Month & Year of Conference	Journal
1	Dr. T.R. Ramesh Rao	Numerical Simulation of Harry Dyn Equation	11 th National Conference on "Mathematical Techniques and Applications:	June-2019	API Conference Proceedings 2112, 020175 (2019) https://doi.org/10.1063/1.5112360
2	Sindhu J Kumaar and Amjad Basha	Learning Theory using adversary response	National Conference On Recent trends in CS and Maths	April 2019	64-67
3	P.Nithya, C.D.Nandakumar and S.Srinivasan	A study on repo rate impact on Nifty index	National Conference On Recent trends in CS and Maths	April 2019	76-78
4	Hebsiba Beula, S.Srinivasan and C.D.Nandakumar	Problems and Challenges faced by Indian agriculture	National Conference On Recent trends in CS and Maths	April 2019	79-81
5	Baby Latha, S.Srinivasan and C.D.Nandakumar	The ultimate cost of claim resrve for general insurance	National Conference On Recent trends in CS and Maths	April 2019	84-87
6	Ashiq Mohd. Ilyas and S.Rajasekaran	Performance of nonlife insurers in India	National Conference On Recent trends in CS and Maths	April 2019	136-139

•Other Conferences :

PROCEEDINGS IN INTERNATIONAL CONFERENCES				
SNo	Authors	Presentation Title	Conference Title	Month & Year of Conference
1	Dr. T.R. Ramesh Rao	Differential Transform Method for the Solution of Non-Linear Volterra Integral Equations	International Conference on “Recent Advances in Pure and Applied Mathematics”(Sponsored by UGC), Arul Anandar Collrgr (Autonomous), Karumathur, Madurai, Tamilnadu, India	14 th Feb., 2019.
2	S. Sindhuja, Dr. Varun Mohan & Mahadev Ota	Quadratic Demand EOQ Model for Deteriorating Items with Time Dependent Shortage	International Conference on “Dynamical Systems Mathematical Modelling and Computing Techniques” (ICDSMMCT-2019), Department of Mathematics, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul, Tamil Nadu, India.	14 th to 16 th Feb., 2019.
3	A. Sagaya Suganya	2-Pebling Property of Butterfly Derived Graphs	International Conference on “Dynamical Systems Mathematical Modelling and Computing Techniques” (ICDSMMCT-2019), Department of Mathematics, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul, Tamil Nadu, India.	14 th to 16 th Feb., 2019.

4	A. Sagaya Suganya	Concept of Pebbling on Sierpinski Graphs	International conference on “Emerging Trends in Graph Theory” (ICETGT-2019), Department of Mathematics, CHRIST (Deemed to be University), Bangalore, Karnataka, India.	27 th & 28 th Feb., 2019.
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6. Details of Impact Factor Of The Publication and H-Index

A) Range : 0.042-0.72 B) Average : 0.34 C) H-Index : 2 D) No. In Scopus :5

7. Sponsored Research - Applied :2

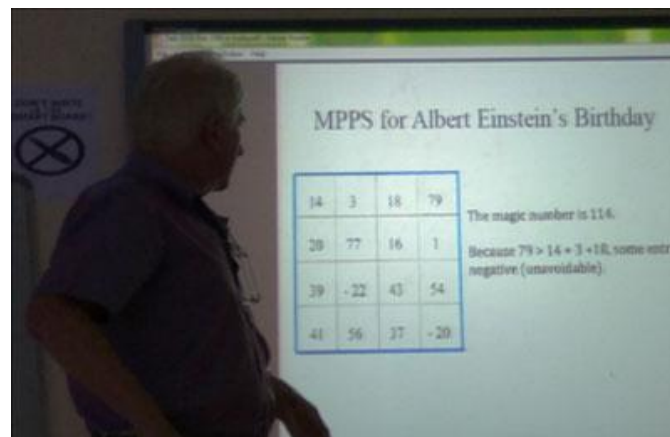
8. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	Indian Actuarial Society	Membership and writing exams	3	14	-		Enrichment of knowledge and job opportunities	

9. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Dr.sc. math. ETH Albert	Professor Emeritus, Bern	Guest Lecture	Enrichment of Knowledge

	Fässler,	University of Applied Sciences		
2	Mr.ThaiKa Shaikh Omer	Actuarial Consultant, Toronto,Canada	Guest Lecture	Enrichment of Knowledge



SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES

- **Dept. of Electrical & Electronics Engineering**
- **Dept. of Electronics & Communication Engineering**
- **Dept. of Electronics & Instrumentation Engineering**

Department of Electrical & Electronics Engineering

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Python programming	Jan 2019 to May 2019	45	IIT Bombay	120	--	--

2. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Short term Course on “Electric Drives And Control”	3,4 & 17 - 19, December 2018	35	M/S.Rane TRW Steering Systems Pvt. Ltd., Chennai.	-	-	20 employees

M/S.Rane TRW Steering Systems Pvt. Ltd., Chennai



3. Interdisciplinary Programmes Conducted

S.No	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1	Workshop on Micro Electro Mechanical Systems during 12 th September 2018.	Mechanical Engg	52	-	-	<ul style="list-style-type: none"> • Understanding of sensors and their embedded digital features • Benefits of using standard software packages for

						developing applications based on MEMS and sensors
2	Workshop on "SCADA" – Wonderware Intouch " during 8 th & 9 th April 2019.	EIE	20	-	-	<ul style="list-style-type: none"> • Dynamic Properties for the Design (Digital & Analog) in SCADA • Control Panel Wiring And Designing • Interfacing between PLC And SCADA



Workshop on Micro Electro Mechanical Systems during 12th September 2018.

4. Details of Field visits organized by the department

Sl. No	Participant Details			Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	No. of Students				
1	B.Tech EEE	VIII	56	Mr. Athbel Joe, AP/EEE and Mr. Suresh AP/EEE	M/s. Signals and systems India Pvt. Ltd Siruseri	16.4.19	Understanding basic ideas for Signal and systems
2	B.Tech EEE	VI	43	Dr.Y.Mohamed Shuaib HOD/EEE and Dr.A. Paramasivam	Thermal Power Plant (Neyveli)	22.03.19	Understanding working of real time thermal power station

Thermal Power Plant (Neyveli) for second year EEE students on 22-03-2019



5. Conferences / FDP / Seminars / Workshops Organized

S.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	Workshop	Evolutionary Computing And Its Application To Engineering Using MATLAB	03.10.18	-	1.Dr.C.N.Ravi, Professor, professor in Vidya Jyothi Institute Technology, Hyderabad, Telangana State. 2.Dr.K.Karthikeyan, Senior Assistant Professor, Tagore Engineering College, Chennai 3.Dr.Sivakumar, Professor, Rajalakshmi Engg. College, Chennai. 4.Mr.S.K.Lakshmanaprabu, Senior Research Fellow, BSACIST.	18	10	-	-

2	Workshop	Embedded System In Robotics Using Arm Cortex M0+	5.2.19 & 6.2.19	Sands India Pvt. Ltd.,Chennai.	Mr.K.Surendar,Trainer Sands India Pvt. Ltd.,Chennai.	-	47	-	-
3	Workshop	Scientific Documentation and Presentation Using LaTeX	8.3.19	-	Mr.C.Athbel Joe,AP/EEE Faculties from EEE BSA C IS & T	23	5	-	-
4	Workshop	Usage of Raspberry PI in machine learning environment	3 .4.19	-	Dr.A.Paramasivam,AP/EEE Dr.Y.Mohamed Shuaib,AP/EEE	14	11	-	-
5	Workshop	Renewable Energy adopting smart technologies	1.10.19	IIT,Delhi	Dr. SUKUMAR MISHRA, Professor, Department of Electrical Engineering, IIT Delhi, New Delhi	12	154	-	-
6	Seminar	Career prospects in PSU and admission in premier	19.09.18	-	Mr. N. Gowarishankar Branch Manager, ACE Academy, Chennai, delivered the lecture for 3 rd	-	56	-	-

		academic institution			year and final year EEE students.				
7	Seminar	LV & MV Switchgear	7.8.19	-	M.Janarthanan, Principal Engineer, Petrofac Engineering Services Pvt. Ltd.	-	56	-	-



Workshop Usage of Raspberry PI in machine learning Environment 3 .4.19



Workshop on “Embedded System in Robotics using ARM Cortex MOT” on 5th and 6th February 2019.



Workshop on Renewable Energy adopting
academic institution smart technologies 1.10.19



Seminar on Career prospects in PSU and admission in premier
19.09.18

6. 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	IEEE(Membership fees for 43 students+2 faculty members)	Oct 18 to Oct 19	Rs. 96355	-
2	SEEE	27.9.18	20,000/-	-
3	Workshop on MEMS	12.9.2018	10,000/-	-
4	Workshop on embedded system in robotics using arm cortex m0+	5.2.19 & 6.2.19	20,000/-	-
5	Scientific documentation and presentation using latex	8.3.19	5,000/-	-

7. Conferences / FDP / Seminars / Workshops Attended

S.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	Dr.Y.Mohamed Shuaib, Asso. Professor Dr.R.Raja Prabu, Senior Professor & Director Dr.R.Jayashree, Professor Mrs. Belwin.J.Brearily,Assistant Professor, Sr.Grade Mrs. V.Bharanigha,Assistant Professor Mr. S.Suresh,Assistant Professor " Mr. C.Athbel Joe,Assistant Professor Mrs. K.Sarmila Har Begam,Assistant Professor" Mr.A.Paramasivam,Assistant Professor Mrs. S.Jennathu Beevi,Assistant Professor, Sr.Grade Mr.M.Ramkumar,AP/EEE	Evolutionary Computing Application to Engineering using MatLab	Workshop	3.10.18 to 4.10.18	Dept. of EEE BSAC IS&T	NIL
2	Dr.Y.Mohamed Shuaib, Asso. Professor Dr.R.Raja Prabu, Senior	Renewable Energy adopting		1.10.18	Dept. of EEE BSAC IS&T	NIL

	<p>Professor & Director Dr.R.Jayashree, Professor Mrs. Belwin.J.Brearly,Assistant Professor, Sr.Grade Mrs. V.Bharanigha,Assistant Professor Mr. S.Suresh,Assistant Professor " Mr. C.Athbel Joe,Assistant Professor Mrs. K.Sarmila Har Begam,Assistant Professor" Mr.A.Paramasivam,Assistant Professor "Mrs. S.Jennathu Beevi,Assistant Professor, Sr.Grade Mr.M.Ramkumar,AP/EEE</p>	Smart Technologies"				
3	V. Bharanigha AP/EEE Belwin J.Brearley, AP(SG)/EEE	E-Learning and MOOCs in Higher Education"		09.03.19	MHRD	NIL
4	V. Bharanigha AP/EEE	National Workshop on Trends in Hybrid Electric Vehicles-		16.03.19	VIT,VELLORE	NIL

		An Electrical Perspective ,at VIT university, Vellore				
5	V. Bharanigha AP/EEE, Belwin J.BrearleyAP(SG/EEE), Mr.A Paramasivam AP/EEE and S. Jennathu Beevi AP(SG)/EEE	FTA - Soft skill training at BSA Crescent of IS & T		12.3.19 to 18.03.19	FTA/CRESCENT	NIL
6	V. Bharanigha AP/EEE and Belwin J.Brearley, AP(SG)/EEE	Scientific Documentation and Presentation Using LaTeX'		08.3.19	Dept. of EEE BSAC IS&T	NIL

8. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

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			5		7

9. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

International Journal& National Journal

- **SCI/Scopus Indexed Journal :**
- **Other journals :**

1. Mallayan, S., Prabhu, R. R., Desai, B. M. A., Velmurugan, R., Sarathi, R.and Burjupati Nageshwar Rao “Understanding the electrical, thermal and mechanical properties of LDPE-clay nano composites” , Micro & Nano Letters, 14(6), 650-655, (2019).
2. D.Buvana, R.Jayashree “ANFIS Controller based cascaded non-isolated bi-directional DC-DC converter” Journal of Circuits, Systems and Computers, Vol.28, No.1 (2019)
3. K.Sarmila Har Beagam, R.Jayashree, M.Abdullah Khan “A Market center based clearing and settlement of pure reactive power market in deregulated power system” International Journal on Engineering Science and Technology (Elsevier.B.V), 21(2018),909-921.
4. Hemavathy, Y.Mohamed Shuaib and S.K.Lakshmanaprabu, Design of Smith Predictor Based Fractional Order Time Delay Process, International Journal of Computer Modeling in Engineering and Sciences,pp.481-498,Vol.119, June 2019,ISSN:1526-1506,SCIE,SCI indexed.
5. VishwaprakashBabu, S.SathikBasha, Y.Mohamed Shuaib and R. Srinu, An integrated Dynamic Voltage restorer - Ultra Capacitor Design for improving Power Quality, Journal of Emerging Technologies and Innovative Research, March 2019, Volume 6, Issue 3, ISSN 2349-5162.

- **International Conference & National Conference**

1. Najumnissa, D., Paramasivam, A., Bakiya A., Mohamed Syed Ali, "Analysis on the effect of ECG signals while Listening to different Genres of Music", Second International IEEE Conference on Advanced Computational and Communication Paradigms (ICACCP), (2019)
2. S.Kavitha,R..Jayashree, "Defining the boundaries of Microgrids in a large distribution system ensuring supply security" IEEE International conference on power systems (ICPS 2017) Published in IEEE Explore on 10th June 2018

10. Details of Impact Factor Of The Publication and H-Index

A) Range: 0.2 to 3 B) Average : 1.2 C) H-Index : 15 D) No. In Scopus: 5

11. Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Dr. A. Paramasivam	Assessment of Gait Disorder in Parkinson's Disease/ <i>Early Detection of Neurological Disorders Using Machine Learning Systems</i>	18161.46	265	Hershey, PA: IGI Global	doi:10.4018/978-1-5225-8567-1.ch007

12. Patents

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1	An apparatus for generation of gastric electric waveforms in normal and abnormal conditions Application	No 201841033641a Applied on 7.9.2018	Yes		--

13. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Mounish Kumar and Vijay	UiTM,	Malaysia	(Crescent Satellite Project outreach) Technical	24.3.19 to 28.3.19	Technical Knowledge exchange



14. Achievements of Staff:

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	S. SURESH	MATLAB programming for Numerical computation. Grade:Elite	NPTEL	Jan –May 2019
2.	Mr. S. Suresh	Electrical Distribution System Analysis Grade:Elite	NPTEL	Aug-Oct 2018
3.	Mr. C. Athbel Joe	Electrical Distribution System Analysis.	NPTEL	Aug-Oct 2018

		Grade: Elite & Topper (in the top 2%)		
4.	Dr.R.Jayashree	Received a cash award of Rs 4000 for membership and Certificate of appreciation from IEEE Madras Section for organizing student branch activities towards the advancement of IEEE during the year 2018.	IEEE Madras Section	Oct 2018
5.	Mr.A.Yagia Khan	Attended training on “Embedded System in Robotics using ARM CORTEX MO+” at SANDS,Siruseri IT Park,Chennai,603103.	SANDS	June 2019

15. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Mounish Kumar Vijay	160041601024 160041601036	CRESCENTSAT team, which has launched a prototype satellite and is planning to launch a reusable satellite in July this year.	-	March 2019

2.	Govinda Sri Charan	150041601057	Best paper presentation at Cyber Security	Sai Ram College of Engineering.	February 2019
3.	Ashfaq ur rahman	150041601018	Bagged 1 st prize - elocution	Forest Department	October 2018
4.	Mohamed Riaz	170041601017	3 rd place in Variety show	Crescent IS & T	February 2019
5.	Sakthi Kumar G	170041601026	2 nd place in Adzap	CMC,Chennai	February 2019
6.	Sakthi Kumar G	170041601026	1 st place in Variety Show	New college,Chennai	March 2019
7.	Sakthi Kumar G	170041601026	3 rd place in Variety Show	MNM Jain college,Chennai	February 2019
8.	Ashfaq Ur Rahman	150041601018	six months internship at the product development centre of from	M/s. Ashok Leyland	17th Dec 2018 to 15 May 2019.
9.	MD Ashfaq Ur Rehman	150041601018	Power System Dynamics, Control and Monitoring	NPTEL	Jan –May 2019
10	NIHAL	170041601021	Introduction to Internet of Things	NPTEL	Jan –May 2019
11	MOHAMMED WAQAS N S	150041601027	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	Jan –May 2019

12	Mr. Srinivasan	150041601043	Introduction to Internet of Things – Grade: Elite	NPTEL	Jul-Oct 2018
13	Mr. Govinda Sricharan	150041601057	Introduction to Internet of Things – Grade: Elite	NPTEL	Jul-Oct 2018
14	Mr. Mohammed Waqas	150041601027	Programming Data Structures and Algorithms	NPTEL	Jul-Oct 2018

16. Industry / Institute Collaboration

S.No	Name & Address of Industry/Institute	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Industrial Collaboration M/s. Apollo Tyres Batch II –2018		June 2018-Dec 2018	Completed		
2	Industrial Collaboration M/s. Apollo Tyres Batch I		Jan 2019-May 2019	Completed		
3	Industrial Collaboration M/s. Apollo Tyres Batch II –2019		Jan 2019-May 2019	Completed		
4	Khalifa University, UAE	Ph.D work	Jan 2018 to Jan 2020	Ongoing		Publications in IEEE conferences.

17. Professional Society Activities

S. No.	Name of Society	Type of activity	Details of Participants			Details of Guest Speaker	Outcome	Remarks
			Faculty	Students	Others			
1.	Society of Electrical and Electronics Engineers (SEEE), BSACIST	Society Inaugural function for the academic year 2018-'19	9	120	-	Mr. Sung Ho Kim, DGM ((R&D), M/s. Mando Automotive India Pvt. Ltd.	<ul style="list-style-type: none"> • Technical and non-technical events conducted for the department students • Lecture delivered by the chief guest on Advancements in Automotive Industry 	-
2.	SEEE	National level students technical symposium	10	200	-	Mr. K. Buemer Rayen, General Manager (Plant Engg.), FORD India Pvt Ltd.,	<ul style="list-style-type: none"> • Technical and non-technical events conducted for participants • Lecture delivered by the chief guest on Power System for a Automotive Industry 	-
3	SEEE	Guest lecture	50	-	-	M. Janarthanan,	Guest lecture on "LV	-

						Principal Engineer, Petrofac Engineering Services Pvt. Ltd.	and MV switch gear”.	
4	SEEE	Awareness Program	50	-	-	Mr. N. Gowarishankar Branch Manager, ACE Academy, Chennai,	Awareness about Career Prospects in PSUs and Admission in Premier Academic and Research Institutions	-
5	SEEE	Workshop	20	110	20	Dr. SUKUMAR MISHRA, Professor, Department of Electrical Engineering, IIT Delhi, New Delhi	Hands on experience on Renewable Energy adopting Smart Technologies	-
6	SEEE	Workshop (Two days)	15	10	5	1. Dr.C.N.Ravi, Professor, professor in Vidya Jyothi Institute Technology, Hyderabad, Telangana State.	The following topics were covered in the workshop • Genetic Algorithm and its applications • Grey wolf algorithm and its application to	-

						<p>2. Dr.K.Karthikeyan, Senior Assistant Professor, Tagore Engineering College, Chennai</p> <p>3. Dr.Sivakumar, Professor, Rajalakshmi Engg. College, Chennai.</p> <p>4. Mr.S.K.Lakshmana Prabu, Senior Research Fellow, BSACIST.</p> <p>5. S.Jennathu Beevi, AP(SG) / EEE, BSACIST.</p>	<p>Engineering problems using MATLAB</p> <ul style="list-style-type: none"> • Multi objective Particle Swarm Optimization and its application to Engineering problems using MATLAB • Fire fly and Flower Pollination Algorithms and its application to Engineering problems using MATLAB 	
7	SEEE	Workshop	10	5	5	Conducted by the department faculties led by Mr. C. Athbel Joe, AP/EEE,	Participants wer introduced to using Latex software for scientific	-

						BSACIST	documentation and presentation.	
8	SEEE	Workshop (two days)	25	-	-	Conducted by the department faculties led by Mr. A. Paramasivam, AP/EEE. BSACIST	Exposure to Embedded System in Robotics using ARM Cortex M0+	-
9.	SEEE	Workshop (one day)	30	-	-	Dr. E. Paul Braineard, Ph.D. (IITM) Assistant Professor, IIIT, Sricity, Chittoor	Workshop on "MICRO-ELECTRO MECHANICAL SYSTEMS (MEMS)"	-

18. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Prof. Juliana Johari,	UiTM, Malaysia	Guest lecture on " SCADA 18th February 2019	Knowledge sharing
2	Dr. Arunachalam Sundaram	Assistant Professor, Jubail Industrial College, Kingdom of Saudi Arabi,	EEB3102 Power System Analysis", 16-18 August 2018	Delivered Lecture for knowledge sharing.

3	Mr.Mohamed Aslam	Ohm Energy Management Sys Pvt Ltd	SLAC	Industrial Visit proposed
4	Mr.Shaik Abdulla	Kestrel Engineering services Pvt. LTd.	SLAC	Value added course proposed
5	Mr.Balasubramanian	L & T,Chennai	Board of studies	Industrial Visit proposed



Dr. Arunachalam Sundaram Assistant Professor, Jubail Industrial College Kingdom of Saudi Arabi, Delivered Lecture for knowledge sharing

Department of Electronics & Communication Engineering

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Automotive Embedded Systems	March 2019- July 2019	40	In Coordination with Jasmin Infotech Chennai.	19	01	-
2	Certification course on Lab view	07.12.2018 to 16.12.2018	40	National Instruments	10	-	-

2. Details of Field visits organized by the department

Sl.No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	B.Tech	III	A&B	50 51	Ms.Padma Usha, APSG Mr.Sadhish Prabhu, APSG	ISRO, Sriharikota	27.09.18	Students involved in CRESNSAT design

2	B.Tech	II	A	49	Ms.Anusooya, Asst.Prof.	Nokia Solutions & Networks India Pvt. Ltd, Sriperumbadur	10.04.19	Internship
3	M.Tech – VLSI&ES	I	-	5	Dr.G.Kannan, Asso. Prof.	Nokia Solutions & Networks India Pvt. Ltd, Sriperumbadur	10.01.19	Internship, Projects

3. Conferences / FDP / Seminars / Workshops Organized

S. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborati ng Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Training on Design and Development of CRESCENTSAT Satellite	Training	21.05.19 to 06.07.19	Crescent University	Mr.Rifath Sharook, CTO, Mr.Vijay, CIO Spacekidz India Ltd., Chennai		20		
2	Two Day Hands- on FDP in the	FDP	02/05/20 19	Crescent FTA	Mrs. M.Padma Usha, AP(Sr.Gr)/ECE	04		30	

	topic"Applications of Image Processing using MATLAB"		& 03/05/2019.		Ms.G.Anuradha,AP(Sr.Gr.)/ECE Ms.S.Syed Rafiammal,AP/ECE				
3	INNOVATIVE TEACHING METHODOLOGIES FOR SCHOOL TEACHERS	Training Program	13.4.19	SECE	Dr.Prabhakaran Professor/MBA Mr.Sadhish Prabhu,AP(Sr.Gr.)/ECE Mr.Ramesh Kumar,AP/ECE			27	
4	Seminar on Automotive Embedded Systems	Seminar	06.02.19	SECE	Mr.Senthil, Jasmin Info-Tech, Chennai		45		
5	National level project competition	-	21.03.19	Nil	Nil				11
6	First Annual Juncture of Club Activities	Event	15.03.19	-	-		400		
7	SPECTRON	Symposium	07.03.19	IE,IETE,SE	Mr. Mohammed				134

	2K19			CE	Mohideen, Director, Denvick Technologies				
8	Embedded design using Arduino board	Workshop	22.03.19	SECE	Dr.Kannan, Asso. Prof. K.Indragandhi, APSG				56
9	Seminar on Unmanned Vehicle	Seminar	14.12.19	SECE	Dr. Juliana, Professor, UiTM, Malaysia		30		
10	DESIGN AND DEVELOPMENT OF SMART DRONES	WORKSHO P	4.2.19 & 5.2.19	PropellerTe chnology	Mr.ASHIQ RAHMAN, CEO-PROPELLER TECHNOLOGY,		42		21
11	Training on Design of Prototype of CRESCENTSAT Satellite	Training	07.12.18 to 24.02.19	SECE	Mr.Rifath Sharook, CTO, Mr. Rahul, CRO, Mr.Vijay, CIO Spacekidz India Ltd., Chennai		20		
12	Certified LabVIEW Associate	Value added program	07.12.18 to 17.12.18	SECE	CLAD FACULTIES OF BSACIST & Resource person from		18		04

	Developer				OPTITHOUGHT, NI Academic Partner				
13	Seminar on CUBESAT	Seminar	19.11.18	SECE	Mr.Rifath Sharook, CTO, Spacekidz India Ltd., Chennai		50		
14	Carrier Guidance Program	workshop	27.10.18	SECE	Distinguished Alumni of ECE Department		-		260
15	Motivational talk on Space and Satellites	Seminar	16.10.18	SECE	Dr, Sreemathi Kesan, Founder, Mr.Rifath Sharook, CTO, Spacekidz India Ltd., Chennai		120		
16	Two day Seminar on Entrepreneurship awareness in Information & Communication	workshop	05.09.18 -06.09.18	SECE	Mr.Prasad Thupali, CEO Jasmin Infotech, Chennai. Mr.Mohideen, Director, Denvik Technologies, Chennai. Mr.Farwaz Hussin, CEO Daystar Solar, Chennai. Mr.Albert Einstein, Head		23		3

					of Operations, EinNel Technologies, Chennai.				
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4. Conferences / FDP / Seminars / Workshops Attended

S.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	Dr.B.Vijayalakshmi, Prof.	Electronic Modules for Industrial Applications using Op-Amps	FDP	Jan 19- April 19	Swayam - Nptel	-
2	Dr.B.Vijayalakshmi, Prof.	Qualitative Research Methods and Research Writing	FDP	Jan 19- April 19	Swayam - Nptel	-
3	Dr.B.Vijayalakshmi, Prof.	Introduction to Internet of Things	FDP	Jan 19- April 19	Swayam - Nptel	-
4	Dr.B.Vijayalakshmi, Prof. ParasreeChakaraborthy, APST	Teaching And Learning in Engineering (TALE)	FDP	Jan 19- April 19	Swayam - Nptel	-

	Syed Rafi Ammal, Ass.t Prof. Ambika.A, APSG					
5	V.JeanShilpa, Asst.Prof. S.Anusooya, Asst.Prof. S.Kalaivani, APSG R.Anitha, Asst.Prof.	Patent Drafting for Beginners	FDP	Jan 19- April 19	Swayam - Nptel	-
6	Dr.B.Vijayalakshmi, Prof. V.JeanShilpa, Asst.Prof., S.Anusooya, Asst.Prof. R.Anitha, Asst.Prof. R.Mahalakshmi, Asst.Prof.	Latex by IITSpoken Tutorial	FDP	Jan 19- April 19	Swayam - Nptel	-
8	Dr.Kannan, Asst.Prof. Ms.K.Indra Gandhi, APSG	Python programming by IITSpoken Tutorial	FDP	Jan 19- April 19	Swayam - Nptel	-
9	Vanmathi.M, APSG	FDP on soft skills training for	FDP	Apr-19	BSACIST	-

	<p>Anuradha,APSG S.Anusooya, Asst.Prof. R.Mahalakshmi, Asst.Prof. R.Anitha, Asst.Prof. Sivashunmughavalli, Asst.Prof. k.Indra Gandhi, APSGHasanBabu, APSG Iniyavan, APSG JeanShilpa, Asst.Prof. Ambika, APSG PadmaUsha, APSG ParnasreeChakarabort hy,APSG RameshKumar, Asst.Prof., S.Kalaivani, APSG</p>	Teaching Faculty				
10	Mr.Ramesh, Asst.Prof.	Applications of Image Processing	Workshop	02/05/19	BSACIST	-

		using MATLAB		and 03/05/19		
11	Ms.Anusooya, Asst.Prof. Ms.Anitha, Asst.Prof. Ms.Priya, Asst.Prof. Ms.Rafia, Asst.Prof. Ms.Anuradha, APSG Ms.Kalaivani, APSG Ms.Vanmathi, APSG	E-Learning and MOOCs in Higher Education	FDP	9/3/2019	BSACIST	-
12	Dr.Kannan,Asso. Prof. Ms.K.Indra Gandhi, APSG	STP on Advanced Computer Architecture	STP	Decemb er 10-14 2018	IIT Kanpur	-
13	Ms.Ambika,APSG Ms.Valli, Asst.Prof. Ms.Priya, Asst.Prof.	Design and Development of Smart Drones”	Workshop	4/02/19 and 5/02/19	BSACIST	-
14	Ms.SivashunmughaVal li, Asst.Prof. Mr.SadhishPrabhu, APSG Mr.Ramesh Kumar,	Entrepreneurship Awareness in the field of Information and Communication	Workshop	5th and 6th Septemb er 2018	BSACIST	-

	Asst.Prof.					
15	Ms.A.Priya, Asst.Prof.	research visit to Antenna Research Center ,UITM,Malaysia(21 days)		15th May 2018 to 5th June 2018.	UITM& BSACIST	-
16	Mr.R.Iniyavan,APSG Ms.Arulvani, Asst.Prof.	OPTSIM(2days)		02/02/18 to 03/02/18	VIT,Chennai	-
17	All Research Scholar In ECE Dept	Writing Quality Research Articles, Project Proposals and Patents(3 days)		20.7.18 to 22.07.18	BSACIST	-
18	.R.Mahalakshmi alias Isakki, Asst.Prof.	Smart wireless technologies -5G challenges and approaches(2 days)		2.08.18-3.08.18	IEEE chapter with Matlab at SRM University	-
19	Mr.Iniyavan, APSG	ESDM & Testing using CADENCE OrCAD(5 days)		27.11.17 to 01.12.17		-

20	Ms.S.Kalaivani, APSG And Ms.JeanShilpa, Asst.Prof.	IoT with Home Automation(1 day)		20th October 2017	BSACIST	
21	Mr.Iniyavan, APSG Mr.Selvakumar, Asst.Prof. Ms.Valli, Asst.Prof. Ms.Ambika, APSG	Design of Microstrip antenna using HFSS(3 days)		5,6,7 of October 2017	SRM	
22	Ms.Vanmathi, APSG Ms.Priya, Asst.Prof. Ms.Padmausha, APSG Ms.Anuradha, APSG Ms.SivaShunmughaVa lli, Asst.Prof.	Strategies For Innovative And Quality Research(1 week)		31.7.17- 5.8.17	BSACIST	
23	Ms.IndraGandhi, APSG Dr.Kannan, Asso.Prof.	Certified Labview Associate Developer		25/06/18 – 07/07/18 :	National Instrumen ts	

5. Papers Published/ Presented In Journals & Conferences(Total Numbers Only) (July 2018-June 2019)

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		18

6. Details Of Publication In National & International Journals &Conferences:

- **International Journal&National Journal**

- **SCI/Scopus Indexed Journal :**

1. R Manikandan , PK Jawahar , PH Rao," Low Sidelobe Level CSRR Loaded Weighted Array Antenna" *IEEE Transactions on Antennas and Propagation*, ISSN, 0018926X (2018),(SCI)
2. R Manikandan, PH Rao,PK Jawahar," Gain Enhancement of Horn Antenna Using Meta Surface Lens", *Advanced Electromagnetics* 7, ISSN: 2119-0275, (2018).
3. Ambika A, Tharini C, Ali MT. Novel D SRR-based dual band antenna for WiMAX/C applications. *Microw Opt TechnolLett.* 2018; 1–7.<https://doi.org/10.1002/mop.31578>. (SCI)
4. A. Priya, S. KajaMohideen, and P. Thirumaraiselvan, "Propagation Losses of UWB Antenna for on-Body to in-Body Signal Propagation," *Progress In Electromagnetics Research M*, Vol. 73, 101-109, 2018. doi:10.2528/PIERM18071401. (SCI)

5. M. Senthil Kumar, M. Vanmathi, G. Senguttuvan, R. V. Mangalaraja, Sakthivel "Fly Ash Constituent-Silica and Alumina Role in the Synthesis and Characterization of Cordierite Based Ceramics" *Silicon journal*, December 2018, Impact factor 1.246. Springer Nature B.V. 2018. (SCI)
6. A. Vinodh Kumar and Dr. S. Kaja Mohideen "Security aware routing protocol for hybrid wireless network via trust enhanced mechanism (SARP-HWNs)", *International Journal of Business Data Communications and Networking* (Volume.15, Issue.1, pp.34-57 Year: 2018, ISSN: 1548-0631). Impact Factor = 0.10
7. A. Vinodh Kumar and Dr. S. Kaja Mohideen "Efficient Load Aware Evolutionary routing protocol in hybrid wireless network using MOEAD/D", *International Journal of Mobile Network Design and Innovation* (Volume.08, No.4, pp.243 -255, Year: 2018, ISSN: 1744-2850). Impact Factor = 0.10
8. V. Jean Shilpa, Dr. P. K. Jawahar, "Cognitive adaptive travelling window for high performance computing", *International Journal of Circuit, Systems and Signal Processing*, 2019, January, Vol. No.13, issue 1, pp. 170-176.
9. Marek Dvorsky, Harihara Ganesh, Sadhish Prabhu, "DESIGN AND VALIDATION OF A NOVEL STRUCTURE ANTIPODAL VIVALDI ANTENNA", *Hindawi International Journal of Antennas and Propagation*, May 2019. (SCI)
10. S. Sadhish Prabhu, B. Vijayalakshmi, S. S. M. Abdul Majeed, "Microstrip Patch Antenna Using Graphene As Super substrate", *Journal of Advanced Research in Dynamical and Control systems*, March 2019.
11. M. Vanmathi, M. Mohamed Ismail, M. Senthil Kumar, "Optimization of RF sputtering process parameter on electrical resistivity, deposition rate and sensitivity of Al doped ZnO thin film grown on Si substrate using grey Taguchi technique", *Bulletin of material science*, 2019. (SCI)

- **International Conference & National Conference**
- **Conference with ISBN Proceedings :**

- a. V.Jean Shilpa, Kubra Fathima, Mohamud, Lehari," Design and analysis of three axis cost efficient CNC, PCB milling machine", ,IEEE INTERNATIONAL CONFERENCE ON recent trends in electrical, control& communication,RTECC-'18, ISBN: 978-1-5386-4309-9, Date Added to IEEE Xplore: 28 January 2019
- b. V.Jean Shilpa, S.Karthik, Priya," VLSI implementation for Simulataneous in logic simulation", ,IEEE INTERNATIONAL CONFERENCE ON recent trends in electrical, control& communication,RTECC-'18, ISBN: 978-1-5386-4309-9, IEEE Part Number: CFP18O32-CDR, Date Added to IEEE Xplore: 28 January 2019
- c. Ambika.A, C.Tharini, K. Roashna, R. PonSujitha, J. RasithaBegam," Analysis of Different CSRR Structures on MicrostripTransmissionLines", ,IEEE INTERNATIONAL CONFERENCE ON recent trends in electrical,control& communication,RTECC-'18, IEEE Part Number: CFP18O32-CDR/ISBN: 978-1-5386-egam,isbn 978-1-5386-4309-9, 120 – 127, Date Added to IEEE Xplore: 28 January 2019
- d. Parnasree Chakraborty ; C. Tharini ; Minhaj Abidha M," Hardware Implementation Of Compressed Sensing Algorithm", IEEE International Conference on recent trends in electrical,control& communication,RTECC-'18, Electronic ISBN: 978-1-5386-4310-5, 46-50, Date Added to IEEE Xplore: 28 January 2019
- e. Zahid Ahmed, R. Iniyavan and Madhan Mohan P, "Enhanced Vulnerable Pedestrian Detection using Deep Learning", IEEE International Conference on Communication and Signal Processing, pp 0971 – 0974, April 4-6, 2019

- **Other Conferences :**

1. V.Jean Shilpa, Dr.P.K.Jawahar," "DESIGN OF CAT WINDOW ON HYBRID CPU – FPGA ARCHITECTURE.", World Summit on advances in science, engineering and technology, cambridge university, December 2018.

2. V.Jean Shilpa, Dr.P.K.Jawahar,” DESIGN OF HYBRID CPU-FPGA PROCESSOR FOR HIGH PERFORMANCE APPLICATIONS”, National Conference on research in electronics engineering and communication techniques, January 2019

7. Details of Impact Factor Of The Publication and H-Index

A) Range : 0.1 to 4.47 B) Average : 1.13 C) H-Index : 7 D) No. In Scopus : 11

8. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1	Dr.S.Kaja Mohideen, Dean (SECS) Mr.Rameshkumar, Asst.Prof.	CSIR(HRDG)	Effective light weight drone to lift heavy payload					Applied
2	Dr.S.Kaja Mohideen, Dean (SECS) Dr.C.Tharini, Prof. & HOD	Dept.of Bio Technology ,Govt. of India.	AI based Diagnostic Tool for Diabetic Retinopathy detection					Applied

3	Dr.C.Tharini, Prof. & HOD Dr.M.Mohammed Ismail, Prof. Dr.G.Kannan, Asso.Prof.	Jasmine Infotech	Patient monitoring system for Scheizophrenia Research foundation organization	0.60				Ongoing
4	Dr.S.Kaja Mohideen, Dean (SECS) Dr.C.Tharini, Prof. & HOD	FIST, DST	Setup of Anechoic chamber – RF shielded anchoic chamber complete test set up for radiation pattern measurement					Applied
5	Dr.M.Mohammed Ismail, Prof. Ms.M.Vanmathi, APSG	Tamil Nadu state council for science and technology	Cost Effective Experimental Setup for Gas Sensing Applications					Applied
6	Ms.Rafiammal, Asst.Prof. Ms.Anuradha, APSG	SATYAM, DST	Cognitive Assessment of yoga in the elderly using EEG signal processing techniques					Applied
7	Dr.Vijaylakshmi, Prof. Dr.G.Kannan, Asso.Prof.	Tamil Nadu state council	Design and implementation of energy					Applied

		for science and technology	harvesting VLC receiver for IoT/IoL networks					
8	Ms.Anuradha , APSG	Tamil Nadu state council for science and technology	Cognitive rehabilitation for patients with alzheimer using EEG signals and Yoga exercises					Applied
9	Ms.V.Jean Shilpa, Asst.Prof.	SATYAM, DST	A study on effect of Yoga on emotional and behaviroural disturbances among youth using internet of medical things, machine learning and neuroscience : A randomized controlled trail					Applied
10	Dr.C.Tharini, Prof. & HOD Ms.V.Jean Shilpa,Asst.Prof. Ms.Anusooya, Asst.Prof. Ms.Kalaivani, APSG	Tamil Nadu state council for science and	Smart farming for Tamil nadu farmers					Applied

	Ms.Anitha, Asst.Prof.	technology						
11	Vijayalakshmi, (Prof/ECE) Ms.K.Sindhubala,(Research Scholar)	India's Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Govt of India	ERB-OVDF Scheme (Science and Engineering Research Board (SERB) Overseas Visiting Doctoral Fellowship Program at Purdue University, USA	24.23 Lakhs				Ongoing

Details of Testing / Consultancy works & amount generated

TESTING CONSULTANCY USING VECTOR NETWORK ANALYZER

Sl. No.	Details of Testing / Consultancy work		Date of receipt of order	Date of report submission	Amount received (Rs.)	Faculty involved	Status
1	J.Sri Aruna (M.E)	Easwari Engg College	12.03.19	12.03.19	2000	A.Priya, Asst.Prof.	Completed
2	J.Sri Aruna (M.E)	Easwari Engg College	12.03.19	12.03.19	2000	A.Priya, Asst.Prof.	Completed
3	S.Kannan (B.E)	Dhaanish Ahmed	20.03.19	20.03.19	2000	A.Priya, Asst.Prof.	Completed
4	Sahaya Shalini.S (B.E)	Loyola ICAM	20.03.19	20.03.19	2000	A.Priya, Asst.Prof.	Completed
5	Roshini.G (B.E)	Loyola ICAM	20.03.19	20.03.19	2000	A.Priya, Asst.Prof.	Completed
6	Lokesh.A-(B.E)	Velammal Inst.Of Tech	26.03.19	26.03.19	2000	A.Priya, Asst.Prof.	Completed
7	Sneha.R- (B.E)	Loyola ICAM	27.03.19	27.03.19	2000	A.Priya, Asst.Prof.	Completed

8	Sherley- (B.E)	Loyola ICAM	28.03.19	28.03.19	2000	A.Priya, Asst.Prof.	Completed
9	Mahendra Sai Venkat- (B.Tech)	Hindustan inst.of tech & science	30.03.19	30.03.19	2000	A.Priya, Asst.Prof.	Completed
10	Pintu Isaac- (B.E)	Sri Lakshmiammal Engg College	30.03.19	30.03.19	2000	A.Priya, Asst.Prof.	Completed
11	M.Praveen Kumar Reddy- (B.Tech)	Hindustan inst.of tech & science	11.04.19	11.04.19	2000	A.Priya, Asst.Prof.	Completed
12	T. Kaleeswari(B.E)	Adhiparasakthi Engg College	16.04.19	16.04.19	3000	A.Priya, Asst.Prof.	Completed
<u>FABRICATION CONSULTANCY” - PCB Milling Machine (July ‘18 – April’19)</u>							
13	Nageshwar (challan paid and received on 20.8.18)	Prince Venkateshwara Engg College	14.08.18	14.08.18	300 (single side)	A.Priya, Asst.Prof.	Completed
14	Saravanan.M (Challan paid and received on	Hindustan University	03.12.18	03.12.18	300 (single side)	A.Priya, Asst.Prof.	Completed

	3.12.18)						
15	Saravanan.M	Hindustan University	15.02.19	15.02.19	500 (single side)	A.Priya, Asst.Prof.	Completed

9. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Cadence Analog and Digital design flow. (software)	Entuple Technologies, Bangalore	29.06.2019	5,78,200	Yes	-

10. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Dr.B.Vijayalakshmi, (Prof/ECE) Ms.K.Sindhubala, (Research Scholar)	Purdue University	USA	Research	1 year	Research
2	Dr.S.Kaja Mohideen Dean SECS and Student team of	UiTM, Kuala Lumpur	Malaysia	Outreach program	24 .03.2019 to 28.03.2019	Crescent Sat

	Crescent Sat					
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Important Remarks:

Ms. SinduBala, research scholar at Overseas Visiting Doctoral fellowship (OVDF) orientation at Purdue University, USA



11. Achievements of Staff: Nil

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr.B.Vijayalakshmi, (Prof/ECE) Ms.K.Sindhubala,(Research Scholar)	ERB-OVDF Scheme (Science and Engineering Research Board (SERB) Overseas Visiting Doctoral Fellowship Program at Purdue University, USA	India's Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Govt of India	21.12.2018

Balloon test Launch of Crescentsat



Visit to UiTM, Malaysia for Out -reach program



12. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Sharanya	150051601086	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
2.	Nalla Rupasri	150051601042	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
3.	Fathima Zahara	150051601012	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
4.	Pattamsetty Navya	150051601046	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
5.	Nivetha	150051601045	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
6.	Gamini Geetha	150051601013	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
7.	Vikram	150051601066	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
8.	Pragadeesh	150051601047	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
9.	Vishal Venkat	150051601067	Certified Labview Associate	National	June&2018

			Developer (CLAD)	instruments	
10	Akash		Certified Labview Associate Developer (CLAD)	National instruments	June&2018
11	Kiren Balaji	150051601028	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
12	Sherlin Martina	150051601061	Certified Labview Associate Developer (CLAD)	National instruments	June&2018
13	Ijaz ahamed.A	160051601104	<p>Won first prize in state level project expo "Home automation"</p> <p>Won first prize in National level project expo "Home automation"</p> <p>Won first prize in National level technical symposium in the Project demo event "smart home using wireless technology"</p>	<p>Tagore Engineering college</p> <p>Jepiaar Institute of Technology</p> <p>Venkateshwara college of technology</p>	<p>October 2018.</p> <p>February 2019.</p> <p>February 2019.</p>
14	Vigneshwaran.R	160051601089			
15	Thowfeek ahamed.S	160051601084			
16	Srirambat	160051601078			

17	Immaudeen		NPTEL course topper "Wireless communication"	IIT madras	October 2018
18	Abhishek S	160051601003	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
19	Ananda Perumal Balaji		successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
20	Arvind Kumar M	160051601011	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
21	Badhrinath. S		successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
22	Elavarasan		successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
23	Karthiyayini R	160051601026	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
24	Manikandan D	160051601032	successfully Launched	BSACIST	February 2019.

			"CrescentSAT' satellite Prototype		
25	Mohammed Akram		successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
26	Mohammed.K.Afridi	160051601038	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
27	Riya Mandakini K	150051601050	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
28	Samiyullah S	160051601059	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
29	Sheik Mohammed Azaruddin	160051601075	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
30	Yuvashree .V	160051601092	successfully Launched "CrescentSAT' satellite Prototype	BSACIST	February 2019.
31	Kishore.N		won gold medal in badminton	Rural Games	2019

			game in	Tamil Nadu state championship	
32	Hisham Abubacker	160051601022	Crescent Best photographer	ORION-2K19 held at BSACIST	March 2019
33	Mohammed Natheen		Winner in variety show	New college	March 2019

13. Professional Society Activities:

S. No	Name of the Program	Name of the Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
				Faculty	Students	Others			
1.	Training on Design and Development of CRESCENTSAT Satellite	Crescent University	Training		20		Mr.Rifath Sharook, CTO, Mr.Vijay, CIO Spacekidz India Ltd., Chennai		
2.	Two Day Hands-on FDP in the topic"Applications of Image	Crescent FTA	FDP	34			Mrs. M.Padma Usha, AP(Sr.Gr)/ECE Ms.G.Anuradha,AP(Sr.Gr.) /ECE		

	Processing using MATLAB"						Ms.S.Syed Rafiammal,AP/ECE		
3.	INNOVATIVE TEACHING METHODOLOGIES FOR SCHOOL TEACHERS	SECE	Training Program	27			Dr.Prabhakaran Professor/MBA Mr.Sadhish Prabhu,AP(Sr.Gr.)/ECE Mr.Ramesh Kumar,AP/ECE		
4.	Seminar on Automotive Embedded Systems	SECE	Seminar		45		Mr.Senthil, Jasmin Info-Tech, Chennai		
5.	National level project competition	Nil	-		11		Nil		
6.	First Annual Juncture of Club Activities	-	Event		400		-		
7.	SPECTRON 2K19	IE,IETE,SECE	Symposium		134		Mr. Mohammed Mohideen, Director, Denvick		

						Technologies		
8.	Embedded design using Arduino board	SECE	Workshop		56	Dr.Kannan, Asso.Prof. K.Indragandhi, APSG		
9.	Seminar on Unmanned Vehicle	SECE	Seminar		30	Dr. Juliana, Professor, UiTM, Malaysia		
10	DESIGN AND DEVELOPMENT OF SMART DRONES	NIL	WORKSHOP		63	Mr.ASHIQ RAHMAN, CEO-PROPELLER TECHNOLOGY,		
11	Training on Design of Prototype of CRESCENTSAT Satellite	SECE	Training		20	Mr.Rifath Sharook, CTO, Mr. Rahul, CRO, Mr.Vijay, CIO Spacekidz India Ltd., Chennai		
12	Certified LabVIEW Associate Developer	Nil	Value added program		22	CLAD FACULTIES OF BSACIST & Resource person from OPTITHOUGHT, NI Academic Partner		
13	Seminar on	SECE	Seminar		50	Mr.Rifath Sharook, CTO,		

	CUBESAT						Spacekidz India Ltd., Chennai		
14	Carrier Guidance Program	SECE	workshop		-	260	Distinguished Alumni of ECE Department		
15	Motivational talk on Space and Satellites	SECE	Seminar		120		Dr, Sreemathi Kesan, Founder, Mr.Rifath Sharook, CTO, Spacekidz India Ltd., Chennai		
16	Two day Seminar on Entrepreneurship awareness in Information & Communication	SECE	workshop		26		Mr.Prasad Thupali, CEO Jasmin Infotech, Chennai. Mr.Mohideen, Director, Denvik Technologies, Chennai. Mr.Farwaz Hussin, CEO Daystar Solar, Chennai. Mr.Albert Einstein, Head of Operations, EinNel Technologies, Chennai.		

Important Visitors:

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Mr. Alex Aravind	Professor, UNBC, Canada	Teaching Methods	Research and consultancy
2	Dr. N. Gunasekaran	Professor, Rajalakshmi Institute of Technology	Electromagnetic Fields	Research and consultancy
3	Mr. Prasad Thuppalli	CEO, Jasmin Infotech	Entrepreneurship	Research and consultancy
4	Mr. Albert Einstein	Head of Operations, EinNel technologies	Entrepreneurship	Research and consultancy
5	Mr. Fawaz Hussain	CEO, Day Star Solar	Entrepreneurship	Research and consultancy
6	Mr. Mohideen	Director, Denvick Technologies	Entrepreneurship	Research and consultancy
7	Mr. Sultan Syed Ibrahim	Air Traffic Controller, AAI, Chennai	Air Traffic Control	Internships and Industrial Visit
8	Dr. R. K. Sinha	Scientist, CSIR	Applications of Drones	Research and consultancy

Department of Electronics and Instrumentation Engineering

1. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	UG	VI	-	31	Ms.G.Anitha	TVS Training centre, Ambathur	5.2.19 9.30 am to 4.00p.m	Various brand PLC, SCADA and HMI were demonstrated with real time applications
2	UG	IV	-	23	Dr.D.Najumnissa Ms. M.S.Murshitha Shajahan	The Hameed Hospital Thiruvanamalai	2.2.19 7.45 am – 8.45pm	The X ray machine, Ultrasound equipments, blood test analysis, and physio therapy equipments like Diathermy, nerve stimulator and traction were

								demonstrated with patients
3	UG	III	-	25	Dr.D.Najumnissa Ms. M.S.Murshitha Shajahan	J.J.Leathers Enterprises, Nallambakkam village,Chennai	1.11.18 11.00a.m to 2.00 p.m	Functioning of an Industry was introduced to the students Leather processing from the raw material to final product was demonstrated The waste water treatment was introduced
4.	UG	V	-	8	Dr.D.Najumnissa	Chettinad Super speciality Hospital Visit, Kelambakkam	31.10.18 9.30a.m to 4.00 pm	ECG, CT Scan, MRI, Dialysers, mammogram, x-ray machine , Defibrillators and Physiotherapy equipments were demonstrated

5	UG	V	-	31	G.Anitha	Signals and Systsems (India) pvt Limited, (SANDS), Siruseri	29.10.18 9.00am to 1.00 p.m	The manufacturing of CMRI, FRTU feeder remote terminal unit and three phase reference standard were demonstrated
6.	UG	VII	-	27	P.R.Hemavathy	Thermal Power station –I Expansion, Neyveli	29.10.18 7.00 a.m – 7.00 p.m	Lignite, boilers, turbine generator, cooling towers, control room, fibre optic cables, safety systems and power distribution systems were explained

2. Conferences / FDP / Seminars / Workshops Organized

S. 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	UG	Workshop	21.3.19 – 22.3.19	Ostara Research,	1. S.Rajkumar, Director, Ostara Research	2	17	-	7

				Chennai and Denvik technologies	2. Mr S. Mohanraj, Embedded Developer, Denvik Technology Pvt Ltd,				
2.	Faculty / industry	Workshop	26.10.18	Eaton MTL Chennai	1. Mr. A.Venkatesan, Head, NPI 2.Mr Kannan, Head Design 3. Mr M.C. Vijayaraghavan, Senior Manager, Design	3	1	7	
3	Precision + 19	Technical Symposium	20.3.19	Department	Mr.V.Viswanathan, MD, Automated Test System Technologies Pvt Ltd, Chennai	-	248	-	54
4	Guest Lecture on Safety Instrumentation	SEIE Society Inauguration	1.10.18	Department	Mr.A.Venkatesan , Head(NPI), Eaton MTL instruments	7	89	-	-
5	Career Guidance on How to	Career guidance	27.9.18	Manya Institute Tambaram	Mr Bhaskar, Manya Institute	1	31	-	-

	prepare for Interviews								
6.	Career Guidance on How to prepare for GATE	Career guidance	19.9.18	The GATE Academy, Chennai	Mr Syed Saleem, The Gate Academy	1	31		

3. 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	IEEE student member for 31 students	2018 - 2019 Renewal cycle	\$27 X 31 = \$837	31 student were made as IEEE member from 2018 - 19
2	Precision + 2019	20.3.19	Rs.25000/-	Towards conduct of technical symposium
3	Society Inauguration	1.10.18	Rs.5767/-	Towards Inauguration of The society of SEIE

4. Conferences / FDP / Seminars / Workshops Attended

S.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
1	Dr. P. K. Jawahar Dr. D. Najumnissa Jamal	Academic Leadership and Education Management	STTP	1/4/2019 to 7/4/2019	Aligarh Muslim University, Aligarh	Rs. 4200/- Rs. 4200/-
2	Dr. D. Najumnissa Jamal	Moodle for NBA-NAAC (OBE)	workshop	1/4/2019	Department of Management studies, BSACIST	-
3	Dr. D. Najumnissa Jamal Mrs. G. Anitha	Industrial IOT for remote Monitoring and Management	workshop	21/3/2019 to 22/3/2019	Department of EIE B S A Crescent Institute of science & Technology	-
4	Mrs. M.S. Murshitha Shajahan Mrs. G. Anitha Mrs. P. R. Hemavathy Mr.N.Sivaramakrishnan	soft skills for teaching staff	FDP	12/3/2019 to 18/3/2019	B S A Crescent Institute of science & Technology	-
5	Dr. D. Najumnissa	E-Learning and	National	9/3/2019	Guru Angad Dev	-

	Jamal Mrs. M.S. Murshitha Shajahan Mrs. P. R. Hemavathy	MOOCs in higher Education	Seminar		Teaching Learning Centre of MHRD, SGTB Khalsa College University of Delhi	
6	Dr. D. Najumnissa Jamal	Artificial Intelligence, Machine Learning and Deep Learning	workshop	7/3/2019 to 8/3/2019	Department of IT ,BSACIST and association with Dcrew IT Solutions Pvt., Ltd.,	
7	Mrs. P. R. Hemavathy	Systems and Control (SSC2018)	FDP	3/12/2018 to 8/12/2018	Department of EEE National Institute of Technology Calicut,	
8	Dr. D. Najumnissa Jamal Mrs. M.S. Murshitha Shajahan	Intrinsically Safe Instrumentation	workshop	26/10/18	EIE dept. ,BSACIST& Eaton MTI Chennai	

5. Papers Published/ Presented In Journals & Conferences (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	10				22		32

6. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- **International Journal& National Journal**

- **SCI/Scopus Indexed Journal :**

1. Lakshmanprabu S.K. Najumnissa Jamal D , Multiloop FOPID Controller Design for TITO Process Using Evolutionary Algorithm, International Journal of Energy Optimization and Engineering (IJEEO) 8 (3), DOI: 10.4018/IJEEO.2019070107 (Web of science indexed Journal.) Clarivate analytics indexed.2019
2. MurshithaShajahan M.S., Najumnissa D., Aparna V., “Controller design using quantitative feedback theory for thermal power plant process”, Case Studies in Thermal Engineering, Elsevier Publications, Vol 14, 2019, available online 5th April 2019.SJR – 1.15, IF- 1.899 <https://doi.org/10.1016/j.csite.2018.08.008>
3. S. K. Lakshmanprabu Random forest for big data classification in the internet of things using optimal features, International Journal of Machine Learning and Cybernetics, SJR- 0.79, IF- 2.692 <https://doi.org/10.1007/s13042-018-00916-z>, 2019

4. SK Lakshmanaprabu, Optimal deep learning model for classification of lung cancer on CT images, *Future Generation Computer Systems*, 92, pp 374-382, 2019 SJR- 0.84, IF- 4.639
5. R Manikandan, PK Jawahar, PH Rao, "Low Sidelobe Level CSRR Loaded Weighted Array Antenna" *IEEE Transactions on Antennas and Propagation*, DOI: 10.1109/TAP.2018.2870335, SJR- 1.51 Journal impact factor 5.47 17th September, 2018
6. S. K. Lakshmanaprabu, Effective Features to Classify Big Data Using Social Internet of Things, *IEEE Access, Special Section On Real-Time Edge Analytics For Big Data In Internet Of Things, Digital Object Identifier 10.1109/ACCESS.2018.2830651, Volume 6, 2018, pp 24196 – 24204* SJR- 0.61, IF- 3.557
7. S. K. Lakshmanaprabu, An Efficient Optimal Key Based Chaos Function for Medical Image Security, *IEEE Access, Special Section On New Trends In Brain Signal Processing and Analysis, Digital Object Identifier 10.1109/ACCESS.2018.2874026, Volume 6, 2018, pp 77145 – 77154* SJR- 0.61, IF- 3.557
8. MurshithaShajahan M.S., Najumnissa D., Aparna V., M.K.A. Ahamed Khan, "Control of electric power generation of thermal power plant in TamilNadu", *Case Studies in Thermal Engineering*, Elsevier Publications, Vol 12, September 2018, pp 728-735, SJR – 1.15, IF- 1.899 <https://doi.org/10.1016/j.csite.2018.08.008>
9. S. K. Lakshmanaprabu , Intelligent hybrid model for financial crisis prediction using machine learning techniques, *Information Systems and e-Business Management* SJR- 0.42, IF- 1.032 <https://doi.org/10.1007/s10257-018-0388-9>, pp1-29 2018
10. S. K. Lakshmanaprabu , Secret image sharing scheme with encrypted shadow images using optimal homomorphic encryption technique, *Journal of Ambient Intelligence and Humanized Computing*, SJR- 0.35, IF-1.423 <https://doi.org/10.1007/s12652-018-1161-0> pp 1-13, 2018
11. S. K. Lakshmanaprabu , Optimal feature level fusion based ANFIS classifier for brain MRI image classification, *Concurrency Computat Pract Exper*, e4887, <https://doi.org/10.1002/cpe.4887>, 2018 SJR- 0.31

- 12.S. K. Lakshmanaprabu, Optimal feature-based multi-kernel SVM approach for thyroid disease classification, The Journal of Supercomputing, pp 1–16, 2018 SJR- 0.57, IF- 1.532
- 13.R Manikandan, PH Rao, PK Jawahar, " Gain Enhancement of Horn Antenna Using Meta Surface Lens, "Advanced Electromagnetics 7 (4), pp.27-33, August 30, 2018 SJR-0.7
- 14.S. K. Lakshmanaprabu , Charismatic Document Clustering Through Novel K-Means Non-negative Matrix Factorization (KNMF) Algorithm Using Key Phrase Extraction, International Journal of Parallel Programming, 2018, SJR-0.29, IF- 0.897 <https://doi.org/10.1007/s10766-018-0591-9>
- 15.S. K. Lakshmanaprabu, Energy consumption analysis of Virtual Machine migration in cloud using hybrid swarm optimization (ABC–BA), The Journal of Supercomputing, SJR- 0.57, IF- 1.532 <https://doi.org/10.1007/s11227-018-2583-3>, 2018
- 16.S. K. Lakshmanaprabu, Optimal key based Homomorphic Encryption for color image security aid of Ant Lion Optimization algorithm, *International Journal of Engineering & Technology*, 7 SJR- 0.113 (1.9) (2018) 22-27
- 17.S. K. Lakshmanaprabu, Active Database System Approach and Rule Based in the Development of Academic Information System, *International Journal of Engineering & Technology* , 7 (2.26) (2018) 95-101 SJR- 0.113 (1.9)
- 18.S. K. Lakshmanaprabu, Hybrid optimization with cryptography encryption for medical image security in Internet of Things, *Neural Computing and Applications* SJR- 0.57, IF- 4.231 <https://doi.org/10.1007/s00521-018-3801-x>, 2018
- 19.S. K. Lakshmanaprabu, Financial crisis prediction model using ant colony optimisation, *International Journal of Information Management*, December 2018, <https://doi.org/10.1016/j.ijinfomgt.2018.12.001> SJR- 1.71, IF-4.516
- 20.S. K. Lakshmanaprabu, Medical Image Security Using Dual Encryption with Oppositional Based Optimization Algorithm, *Journal of Medical Systems* (2018) 42: 208, SJR- 0.57, IF- 2.098 <https://doi.org/10.1007/s10916-018-1053-z>

- 21.S. K. Lakshmanaprabu, Adaptive optimal multi key based encryption for digital image security, Concurrency and computation practical and experience , special edition, 2018, <https://doi.org/10.1002/cpe.5122> SJR-0.31
- 22.S. K. Lakshmanaprabu, Ranking Analysis for Online Customer Reviews of Products Using Opinion Mining with Clustering, Hindawi, Complexity , Volume 2018, SJR- 0.54, IF- 0.75 Article ID 3569351, <https://doi.org/10.1155/2018/3569351>

- **International Conference & National Conference**

- **Conference with ISBN Proceedings :**

1. Anitha G, Naveeth Imran, Raseena Parveen, Ranjan Krishna, Measurement of angle of elevation and drusens in optical tomography images, International Conference on Recent trends in Electronics, Computing and Communication Engineering, organized by Saveetha Engineering college, on 26.4.19
2. Norman Cruz S, Mohamed Ashiq N, Pavan Kumar V, Shahul Hamid S, Najumnissa D, Murshitha Shajahan M S , Advanced Dust Separation System In Coal Handling Plant In Thermal Power Station, Second International Conference on Recent Trends in Science and Technology, ICRTST – 2019, held on 20.3.19, organized by GKM College of Engineering & Technology & TECHOWN, 9788-1-9322-1327
3. Najumnissa D, Mohamed Syed Ali J, Mohamed Uzaer. A, Mohamed Asith N, Yaasir Ahamed M S, Analysis of The Effect of Different Music on Students Using ECG Signals, Second International Conference on Recent Trends in Science and Technology, ICRTST – 2019, held on 20.3.19, organized by GKM College of Engineering & Technology & TECHOWN, 9788-1-9322-1327
4. M. S. Murshitha Shajahan, D. Najumnissa, Mohamed Harish. M, Mohamed Raiyan.V. ,”Controller Design Using BFOA For Thermal Power Plant Process, Second International Conference on Recent Trends in

Science and Technology, ICRTST – 2019, held on 20.3.19, organized by GKM College of Engineering & Technology & TECHOWN, 9788-1-9322-1327

5. Mohamed Raiyan M, Thahiranazreen. S, Varshan V , Mohamed Ashik J, Najumnissa D , Murshitha Shajahan M.S, Shahul Hamid S.,” Acquisition of Data From a Prototype Boiler Tube Leakage System and Analysis using ANN and Naïve Bayes, Second International Conference on Recent Trends in Science and Technology, ICRTST – 2019, held on 20.3.19, organized by GKM College of Engineering & Technology & TECHOWN, 9788-1-9322-1327
6. Najumnissa D, Mohamed Syed Ali J, Analysis on the Effect of ECG Signals While Listening to Different Genres of Music, Second International Conference on Advanced Computational and Communication Paradigms (ICACCP) , Sikkim Manipal Institute of Technology (SMIT), Sikkim, during 25.2.19 and 28.2.19, 978-1-5386-7989-0/19/\$31.00 ©2019 IEEE
7. Mohamed Syed Ali.J, Abinesh Jayaram, Gautham S, Murshitha Shajahan M.S., Najumnissa D., Automation of Battery Testing Process Using Programmable Logic Controller, Proceedings of the International Conference on Recent Trends in Multi-Disciplinary Research, ICRTMDR -18, jointly organized by APC Mahalaxmi College for women, Tutucorin, and IFERP during 20.12.18 and 21.12.18, ISBN:978-81-939399-6-6, 2018, pp97
8. Anitha G., A comparative study of various machine learning classifiers on Choroidal Neovascularization data, Proceedings of the International Conference on Recent Trends in Multi-Disciplinary Research, ICRTMDR -18, jointly organized by APC Mahalaxmi College for women, Tutucorin, and IFERP during 20.12.18 and 21.12.18, ISBN:978-81-939399-6-3, 2018, pp16
9. Mohamed Hussain K, Aparna V, M. S. Murshitha Shajahan, D. Najumnissa Jamal, “Tuning of PID Controller using GA, SA and QFT for Three Interacting Tank Process”, Proceedings of the 2nd International Conference on

Trends in Electronics and Informatics (ICOEI 2018), IEEE Conference Record: # 42666; IEEE Xplore ISBN:978-1-5386-3570-4, 2018, pp 547 – 551

10. Aparna V, Mohamed Hussain K, D. Najumnissa Jamal, M. S. Murshitha Shajahan, "Implementation of Gain Scheduling Multiloop PI Controller Using Optimization Algorithms for a Dual Interacting Conical Tank Process," Proceedings of the 2nd International Conference on Trends in Electronics and Informatics (ICOEI 2018), IEEE Conference Record: # 42666; IEEE Xplore ISBN:978-1-5386-3570-4, 2018, pp 599 – 604

7. Details of Impact Factor Of The Publication and H-Index

A) Range : 1 -13 B) Average : 6.5 C) H-Index : 14 D) No. In Scopus : Range : 0.1 -4.64; Average: 3.25

8. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1	Dr.D.Najumnissa Jamal S.Rajkumar Dr.P.K.Jawahar	Fundamental Research Grant Scheme (FRGS) Malaysian Science	Remote Health Monitoring System for the Elderly Using IoT	Applied	-	-	-	Under Review

	Ms.M.S.Murshitha Shajahan Syed Rafiammal A Paramasivam	and Technology Information Centre (MASTIC)Putrajaya, Malaysia						
2.	Dr. D.Najumnissa Dr.P.K.Jawahar Mrs. G.Anuradha	Tamilnadu State Council For Science And Technology	Cognitive Rehabilitation for Elderly with Alzheimer using EEG signals and Yoga Exercises	Applied	-	-	-	Under Review
3	Dr.K.Prabhakar, Prof./MBA Ms.B.Pushpa AP/EIE Ms.J. Jean Shilpa AP/ECE Dr.T.Hari Narayana, ESPIRAC Dr.Padmavati Ramachandran Director/ SCARF	Science and Technology of Yoga and Meditation (Satyam)	A study on effect of Yoga on Emotional and Behavioural Disturbances among youth using internet of medical things, machine learning and neuroscience: A randomized controlled trail	Applied	-	-	-	Under Review

	Dr.Vijaya Raghavan (SCARF) Ms. Latha Satish (SCARF) Dr. Khurshid Alam Khan AP/ LS							
4.	Dr. D.Najumnissa Dr.P.K.Jawahar Mrs. G.Anuradha Mrs.Syed Rafiammal	Science and Technology of Yoga and Meditation (Satyam)	Cognitive Assessment of Yoga in the Elderly Using EEG Signal Processing Techniques	Applied	-	-	-	Under Review
5.	Dr.D.Najumnissa Jamal Dr.P.K.Jawahar Prof S.Shahul Hamid Ms.M.S.Murshitha Shajahan	Eaton MTL Instruments (CSR)	Enhancement of Learning Achievement by Integrated Science and Computer Skills for High School Students of Panchayat Union	Applied	-	-	-	Under Review

			Middle School, Keerapakkam, Vandalur, Chennai 48.					
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9. 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	Calibration of Pressure Instruments Qty 4 nos	4.2.19	9.2.19.	1,200	Prof S.Shahul Hamid	Completed

10. Details of Special Research Laboratories Created:

S.No	Name of the Lab	Details of Infrastructure		Value of Equipment procured in the Financial Year 2018-19 Rs in Lakhs
		Land	Construction Space	
1	Calibration Centre	-	40 sqm	3.51

11. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs in Lakhs	Working Status	
					Yes	No
1	<ul style="list-style-type: none"> Fluke 8845 A A/c 240 V 6.5 Digit Precision Multimeter Fluke-117 6000 counts True RMS DMM Fluke 15B+ 4000 Counts Digital Multimeter 	Fluke India	29.12.218	1,43,620	Yes	-
2	<ul style="list-style-type: none"> Dead Weight Teaster Portable (parametric) Pressure Calibrator 	Nagaman Instruments India	28.1.2019	2,07,833	Yes	-

12. Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Dr.D.Najumnissa Jamal	Advances in Nano Instrumentation Systems and Computational		\$95.00	Nova Science Publishers, Inc. 415 Oser Avenue,	Available since June 2019

		Techniques (Book Edited) ISBN: 978-1-53615-019-3 Category: Nanotechnology Science and Technology 170 pages			Suite N Hauppauge, NY, 11788 USA	
2	Dr.D.Najumnissa Jamal	Comparison and Analysis of Dental Imaging Techniques”, Chapter 8, Computational Techniques for Dental Image Analysis, October 2018, pp 179 – 194, DOI: 10.4018/978-1-5225-6243-6. Book Chapter		\$225.00	IGI Publications, 701 E. Chocolate Ave. Hershey, PA 17033, USA	Available since October 2018
3	Dr.D.Najumnissa Jamal	“Remote Elderly Health Monitoring System Using Cloud-Based WBANs” in the book Handbook of Research on Cloud and Fog Computing Infrastructures for Data Science Chapter 13, May,		\$245.00	IGI Publications, 701 E. Chocolate Ave. Hershey, PA 17033, USA	Available since June 2018

		2018, pp 265-288 ISBN13: 9781522559726, Book Chapter				
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13. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Harishankar, III year EIE student	UiTM, Mara	Malaysia	Crescent SAT	23.3.19 – 28.3.19	Visited the Satellite lab
2	Abinesh Jayaram Muruganandam and Mohamed Fayazudeen, second year EIE	UCSI, University	Malaysia	Robotic Competition	23.11.18 – 24.11.18	Won the Best Robust Design Award.
3	Dr.D.Najumnissa Jamal, Professor / EIE	UiTM, Mara	Malaysia	MoU with SECS and FKE, at UITM mara	18.7.18 - 22.7.18	collaboration for funding applied through FRGS Partial Course Delivery by Affiliate faculty

Important Remarks:



14. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr.P.K.Jawahar	Chair person for the session titled sensors and systems	IEEE- International Conference on Systems, computation, automation	29.3.19 – 30.3.19

			and networking organized by Manakula vinayagar Institute of Technology	
2	D.Najumnissa Jamal	Recognised for Reviewing article for the journal <i>Advances in Science, Technology and Engineering Systems Journal</i> .	Advances in Science, Technology and Engineering Systems Journal.	31.1.19
3	D.Najumnissa Jamal	National Advisory Committee member	<i>International Conference on Recent Trends in Multi-Disciplinary Research APC Mahalaxmi College for women and Institute for Engineering Research and Publication</i>	20.12.18

15. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Abinesh Jayaram Muruganandam and Mohamed	170061601001	Best Robust Design Award.	UCSI, University, Malaysia	23rd and 24th November, 2018

	Fayazudeen, second year EIE	170061601010			
2	Harishankar	160061601009	Team member of CRESCENT SAT	UiTM, Mara	Feb / March 2019



Member of Crescent SAT Team (Team Crescent SAT)

Robotic Competition held at UCSI University, Malaysia, 23.11.18 – 24.11.18 won the best robust design award.

16. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1.	Academic Leadership and Education Management	1/4/2019 to 7/4/2019	Dr. P. K. Jawahar Dr. D. Najumnissa Jamal	Leadership and Education Management	Learnt about Leadership and Governance in Private and Public Universities and its other issues
2.	Moodle for NBA-NAAC (OBE)	1/4/2019	Dr. D. Najumnissa Jamal	ICT for effective teaching-learning	ICT for Effective Teaching-Learning Process: Hands on Experience with Moodle.
3.	Industrial IOT for remote Monitoring and Management	21/3/2019 to 22/3/2019	Dr. D. Najumnissa Jamal Mrs. G. Anitha	IoT for monitoring	Using IoT in cement Industries, IoT for classification
4.	soft skills for teaching staff	12/3/2019 to 18/3/2019	Mrs. M.S. Murshitha Shajahan Mrs. G. Anitha Mrs. P. R. Hemavathy Mr.N.Sivaramakrishnan	Soft skills	Building Confidence, Communication Skill, Listening Skill, Proactive response, Time Management,

					Relationship Management, Success Strategies
5.	E-Learning and MOOCs in higher Education	9/3/2019	Dr. D. Najumnissa Jamal Mrs. M.S. Murshitha Shajahan Mrs. P. R. Hemavathy	Training	Challenges & Opportunities Roles of Teachers in Technology -Enabled Higher Education Technical Inputs of E-learning.
6.	Artificial Intelligence, Machine Learning and Deep Learning	7/3/2019 to 8/3/2019	Dr. D. Najumnissa Jamal	Artificial Intelligence, Machine Learning and Deep Learning using python	Hands on on machine learning using python
7.	Systems and Control (SSC2018)	3/12/2018 to 8/12/2018	Mrs. P. R. Hemavathy	Systems and control	Control strategies of non linear systems were studied
8.	Intrinsically Safe Instrumentation	26/10/18	Dr. D. Najumnissa Jamal Mrs. M.S. Murshitha Shajahan	Intrinsic safety	Intrinsic Safety and Explosion Protection, Introduction to Surge,

					Electromagnet compatibility, Certification & Standards
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9. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Ostara Research (OPC) Private Limited Chennai	Workshop	21.3.19 – 22.3.19		Completed	The participants were able to understand IoT 4.0 and things speak
2	Denvik Technology Private Limited	Workshop	21.3.19 – 22.3.19		Completed	Automation using IoT in Cement Industries
3	EATON – MTL Instruments Pvt Limited, No3, Off. Old Mahabalipuram Road, Sholinganallur Chennai – 600119, Tamil Nadu	Internship for students Project work for students Workshop for faculty	3.6.18 – 4.7.18 2.1.19 – 2.4.49 26.10.18		Completed Completed Completed	After internship two students were offered Project After completing the Project the students were placed as GET To introduce safety instrumentation in the curriculum

4	University of Technology , Mara, UiTM University Malaysia	MoU with SECS, BSACIS&T and FKE, UITM Malaysia	October, 2018	Ongoing	Collaboration for funding applied through FRGS Partial Course Delivery by Affiliate faculty
5	MIT,Anna University, Karunya University	Book Editing	27.2.18	Completed	Book Published in June 2019
6	UCSI University	Collaboration for paper publication	11.4.18	Completed	Paper published in Case Studies for Thermal Engineering



Two days Workshop on “Industrial IoT for Remote Monitoring and Management” during 21-22, March 2019

10. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	SEIE	Career guidance program	1	31	-	Mr Bhaskar, Manya Institute, Chennai		
2	SEIE	Career Guidance on How to prepare for GATE	1	31	-	Mr Syed Saleem, The Gate Academy		
3	SEIE	Guest Lecture on Safety Instrumentation	8	89	-	Mr.A.Venkatesan Head(NPI), Eaton MTL instruments		
4	SEIE	Technical Symposium Key note address	8	118	20	Mr.V.Viswanathan, MD, Automated Test System Technologies Pvt Ltd, Chennai		

11. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1	EATON – MTL Instruments Pvt Limited, No3, Off. Old Mahabalipuram Road, Sholinganallur Chennai – 600119, Tamil Nadu	Board of Studies, workshop, training for faculty , internship for students, Project work and placement	23	5	2018	Board of Studies, workshop, training for faculty , internship for students, Project work and placement	They contribute and is the member of the board of studies Joint workshop held Internship provided for students Project work provided for students, placement for students



MoU with Eaton MTL Instruments Pvt Limited, on 23.5.19

12. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Mr A.Venkatesan	Eaton MTL Instruments	BoS Meeting	Introduced Value course on Safety Instrumentation and organized joint workshop
2	Dr.Juliana Johari	Associate Professor and Deputy Dean Research and Innovation, Faculty of	Discussed the research areas to the community of researchers for possible collaboration after the	Affiliate faculty Submitted for funding jointly to FRGS

		Electrical Engineering Universiti Teknologi Mara, Malaysia,	signing of MoU. Partial Course delivery for the course Biomedical Instrumentation , PLC and DCS	
3.	Mr Viswanathan,	MD, ATS Technologies Pvt Ltd, Chennai	Chief Guest, Precision + 19	Affiliate faculty Students internship / placement



Mr Viswanathan, MD, ATS Technologies Pvt Ltd, Chennai, Chief Guest, Precision + 19, 20.3.19



Dr. Juliana Johri, partial course delivery, 7.2.19 – 24.2.19

SCHOOL OF INFRASTRUCTURE

Department of Civil Engineering

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Revit Architecture Training Programme	10.08.2018 to 30.09.2018	40	Estaar Max Technologies Private Limited	21	-	-
2.	ETABS Training Programme	04.03.2019 to 22.03.2019	30	Estaar Max Technologies Private Limited	10	-	-

Important Remarks: The above courses conducted by professionals and industry experts, imparted professional knowledge to the students and would make them stand apart from the rest in the job market by adding further value to their resume.

2. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Two day workshop on “Electrochemical Corrosion Techniques Theory & Hands on Training”	07.09.2018 To 08.09.2018	16 hours	Supported by NACE	48	6	-
2.	Bridge Design, Fabrication & Testing workshop	18.09.2018 to 19.09.2018	16 hours	Civil Simplified	48	-	-
3.	One day workshop on 3D Printing	29.10.2018	8 hours	CADD Centre, Tambaram	25	-	-
4.	Three day training programe on “Exactal costX Training”	21.05.2019 to 23.05.2019	24 hours	Infinity PMC Private limited	9	3	-

Important remarks: The above training programmes ensured that students were updated with latest knowledge and stayed abreast of the industry standards.



Two day Workshop on “Electrochemical Corrosion Techniques: Theory and Hands on Training” during 7th & 8th September. Dr. S. Rangarajan, Scientific Officer (H+), Bhabha Atomic Research Centre, Kalpakkam, inaugurated the workshop and delivered a lecture on “Basic Electrochemistry, Testing and monitoring”.



One day workshop on 3D printing for Final year Students (Participants) on 29.10.2018

3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1.	B.Tech. III year, M.Tech. Structural & CEPM I Year	V (B.Tech.) I (M.Tech.)	A&B	110	Mr.Y.Ibrahim	CSIR, (Structural Engineering Research Centre)Tirusulam	26.09.2018	The students could understand various research opportunities and facilities available
2.	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	Waste water Management at Airports Authority of India	27.02.2019 to 05.03.2019	The students could understand the operation and practical difficulties of different treatment units in WWTP
3.	B.Tech. II year Civil	IV	B	4	Dr.V.S.Priya	Industrial Effluent Treatment process of	04.03.2019 to	The students could gain

	Engineering					a Textile Industry	06.03.2019	knowledge about the operation and practical difficulties of different treatment units in ETP
4.	B.Tech. II year Civil Engineering	IV	B	4	Dr.V.S.Priya	Industrial Effluent Treatment process of a Textile Industry	04.03.2019 to 06.03.2019	The students could gain knowledge about the operation and practical difficulties of different treatment units in ETP
5.	M.Tech. I year CEPM			13	Dr.K.Yogeswari and Mr.G.Priyanth	Mettur Thermal Power Station (MTPS), Salem	07.03.2019	The students gained knowledge on the process of generation and transmission of electricity from coal

6.	B.Tech. II year Civil Engineering	IV	A & B	44	Dr.V.S.Priya and Ms.M.Ayisha Sidiqua	Chembarambakkam Water Treatment Plant and Koyambedu Sewage Treatment	07.03.2019	The students understood the differences in operation of treatment units in water and wastewater treatment plant
7.	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	A Study on Sewage Treatment at Koyambedu Sewage Treatment Plant	07.03.2019	The students could understand the operation and practical difficulties of different treatment units in STP
8.	B.Tech. II year Civil Engineering	IV	B	4	Dr.V.S.Priya	Water Treatment Plant at Accord Metropolitan Hostel, Chennai	13.03.2019	The students could understand the operation and practical difficulties of different treatment

								units in WTP
9.	B.Tech. II year Civil Engineering	IV	B	5	Dr.V.S.Priya	Treatment of Waste water at Chennai Metropolitan water supply and sewage board, Nesapakkam Sewage Treatment plant	18.03.2019	The students could understand the operation and practical difficulties of different treatment units in WWTP
10	B.Tech. II year Civil Engineering	IV	B	8	Dr.V.S.Priya and Mr.Y.Ibrahim	Waste Water management at KBA Mens Hostel, Chennai	20.03.2019	The students could understand the operation and practical difficulties of different treatment units in WWTP
11	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	A Study on Waste water Management at Sewage Treatment Plant at Gem Park ooty	20.03.2019	The students could understand the operation and practical difficulties of different treatment

								units in WWTP
12	B.Tech. II year Civil Engineering	IV	A	3	Mr.Y.Ibrahim	Study on Domestic water Treatment an Sewage Water Treatment, olympia tech park, Guindy	21.03.2019	The students could understand the operation and practical difficulties of different treatment units in STP
13	B.Tech. II year Civil Engineering	IV	B	5	Dr.V.S.Priya	Functioning of waste water plant at koyambedu	27.03.2019	The students could understand the function of different treatment units in WWTP
14	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	A Study on water Treatment at Chembarambakkam Treatment Plant	March 2019	The students could understand the different treatment units in WTP
15	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	Study on Sewage Water Treatment at Mahindra World City	April 2019	The students could understand the operation and

								practical difficulties of different treatment units in STP
16	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	Study on RO water Treatment at Sheetal Aqua Industries	April 2019	The students could understand the operation and practical difficulties of different treatment units in RO plant
17	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	A Study on water Treatment at Chennai Metropolitan Water Supply and Seweage Board	April 2019	The students could understand the operation and practical difficulties of different treatment units in WTP
18	B.Tech. II year Civil Engineering	IV	A	4	Mr.Y.Ibrahim	Water Waste Management in UNI World city	April 2019	The students could understand the operation and

								practical difficulties of different treatment units in WWTP
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Chembarambakkam water treatment plant and Koyambedu sewage treatment plant visit on 7.03.2019 with faculty coordinators Dr.Priya V.S and Ms.Ayisha Sidiqum by II year – A section students

4. Conferences / FDP / Seminars / Workshops Organized

S.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.	Guest Lecture on "Higher Studies	Guest Lecture	16.08.2018	Nil	JOHN ALISTAIR, International Director,	2	100	-	

	Opportunities in New Zealand				Placeme Consultant				
2.	Guest Lecture on "Emerging Technologies on Renewable Energy"	Guest Lecture	16.08.2018	Nil	Prof.M.Arockiasamy, Prof & Director, centre for Infrastructure, Dept of civil Engg. Florida Atlantic University USA	4	80	-	
3.	Guest Lecture on "Tunneling Techniques in Chennai Metro Railway Limited" during Inauguration of Society of Civil Engineering	Society Inauguration	14.09.2018	Nil	Mr.Sridharan srinivasan Deputy General Manager, L&T. Project Manager CMRL, Chennai	2	120	-	
4.	Guest Lecture on "Modern Construction Materials"	Guest Lecture	17.09.2018	Nil	Mr V Ramanathan, Deputy General Manager, Dalmia Cements, Chennai	4	48	-	
5.	Guest Lecture on "	Guest	17.09.2018	Nil	Professor Sr Ir Dr	3	90	-	

	Environmental Geo Technology”	Lecture	8 to 20.09.2018		Suhaimi Abdul Talib, Chairman, UiTM Private Education Sdn. Bhd. INTEC Education College				
6.	Guest Lecture on “Guidance on Career development and Higher Studies”	Guest Lecture	27.09.2018	Nil	Mr. R. Bhaskar, Director, Expandus Consultancy	3	60	-	
7.	Guest Lecture on “Fire Safety and Smart Building	Guest Lecture	12.10.2018	Nil	Dr.S. Virapan, Chairman and Managing Director of S.V.Association Chennai	2	42	-	
8.	Guest Lecture on “Geo Physical Methods – Induced Polarization & Self Potential methods to determine the electrical Resistivity”	Guest Lecture	31.01.2019	Nil	Dr.V.S.Sharma, Scientist NGRI, Hyderabad	6	20	-	

9.	Guest Lecture on “Research Opportunities for Civil Engineers at NPCIL	Guest Lecture	09.03.201 9	Nil	Dr.Prabhakar Gundlapalli, Chief Engineer (Civil) Scientific Officer.H, Nuclear Power Corporation of India Limited (NPCIL) Ltd.	2	38	-	
10.	Two day workshop on Structural Engineering Software (ETABS & STAAD Pro)	Workshop	11.03.201 9 & 12.03.201 9	Nil	Internal Members	5	-	-	42
11.	National Level Technical Symposium “CIVICLAN 2019”	Technical Symposium	12.03.201 9	Nil	Mr.S.Sridarane, Senior Town Planner, Department of Town & Country Planning, Pondicherry	25	56	-	
12.	Two Day workshop on “Construction Management Software”	Workshop	14.03.201 9 & 15.03.201 9	Nil		5	11	-	-

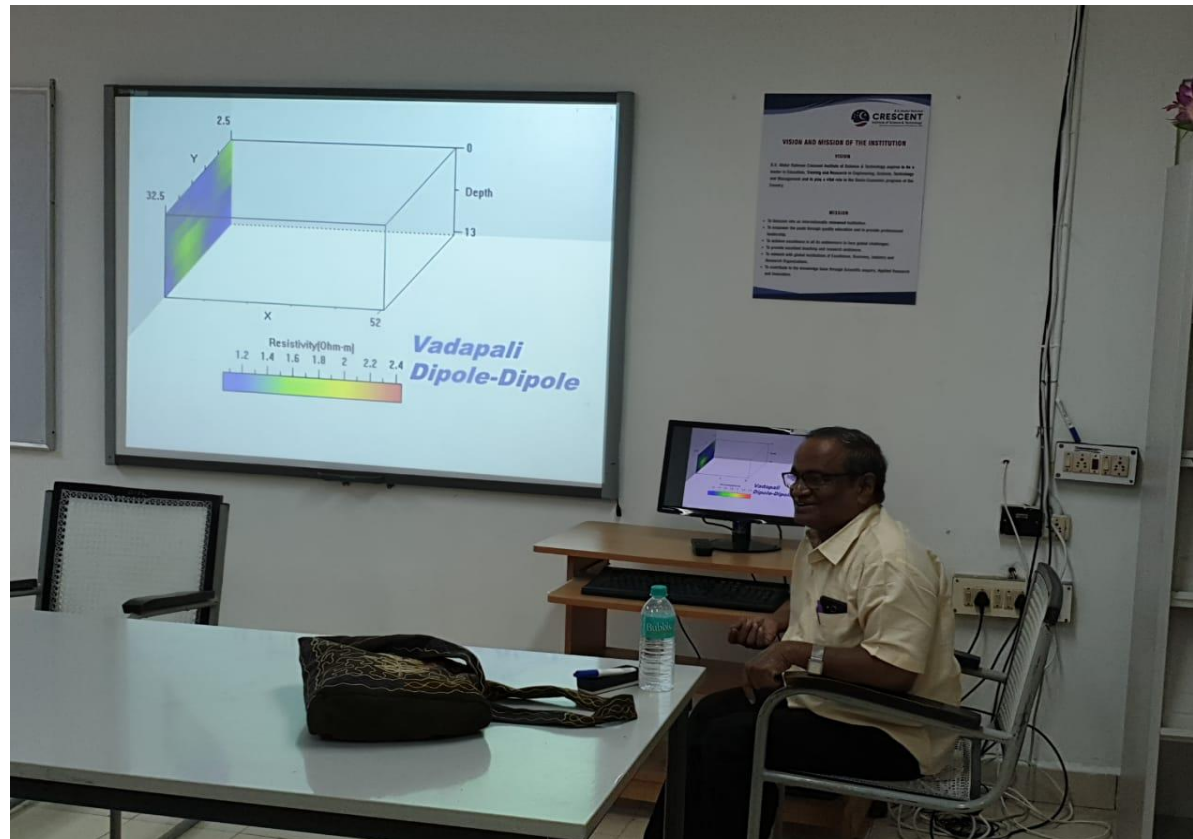
13.	World Water Day	Guest Lecture	22.03.2019	Nil	Dr.E. Arun Babu, Assistant Professor (Selection Grade),Centre for Water Resources,Anna University	8	70	-	
14.	International workshop on Smart and Sustainable Green Infrastructure (IWSSGI 2019)	International workshop	3rd and 4th April 2019	UiTM Malaysia	Dr. B. Suresh CEO & Managing Director, M/S. Mahindra Consulting Engineers Pvt. Ltd., Chennai Dr. S. Virapan Chairman and Managing Director, SV Associates, Chennai Prof. Dr. Hamidah Mohd.Saman	24	150	51	70

					<p>Professor, Deputy Dean (Research, Industry Linkages and Alumni) Faculty of Civil Engineering Universiti of Tecknologi, MARA, Malaysia Dr. Zakiah Binti Ahmad Professor & Dean, Faculty of Civil Engineering Universiti of Tecknologi, MARA, Malaysia Dr. S. Rajkumar In-charge of CEFD, M/s. L & T Construction, Chennai</p>				
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					<p>Dr. Varun Sridharan CEO & Co Founder at Greenenvironment India, Smart Water & Wastewater Management Company, Chennai</p> <p>Dr. Siti Zaharah Binti Ishak Director General Malaysian Institute of Road Safety Research (MIROS), Malaysia</p>				
15.	Talk on Rural Sustainability	Guest Lecture	3.4.2019		<p>Dr. B. Suresh CEO & Managing Director, M/S. Mahindra Consulting Engineers Pvt. Ltd., Chennai</p>	24	150	51	70
16.	Talk on Importance of	Guest	3.4.2019		Dr. S. Virapan	24	150	51	70

	MEP/PMC works in building construction	Lecture			Chairman and Managing Director, SV Associates, Chennai				
17.	Talk on Smart Materials and Artificial Intelligence : Construction Technology's Next Frontier	Guest Lecture	3.4.2019		Prof. Dr. Hamidah Mohd.Saman Professor, Deputy Dean (Research, Industry Linkages and Alumni) Faculty of Civil Engineering Universiti of Tecknologi, MARA, Malaysia	24	150	51	70
18.	Talk on Case Study "Development of Standards for Timber Structures using Tropical Hardwoods"	Guest Lecture	3.4.2019		Dr. Zakiah Binti Ahmad Professor & Dean, Faculty of Civil Engineering	24	150	51	70

	for sustainable future through Timber Construction				Universiti of Tecknologi, MARA, Malaysia				
19.	Talk on Sustainable Approach for Green Buildings	Guest Lecture	4.4.2019		Dr. S. Rajkumar In-charge of CEFD, M/s. L & T Construction, Chennai	24	150	51	70
20.	Talk on Smart Initiatives in Transportation and Urban Planning	Guest Lecture	4.4.2019		Dr. Siti Zaharah Binti Ishak Director General Malaysian Institute of Road Safety Research (MIROS), Malaysia	24	150	51	70
21.	Faculty Development Programme on "Recent Trends in BIM"	FDP	04.07.2019	CADD Centre Training Service Private Limited, Chennai	Mr.K.S.Dinesh/Manager- Business Support	20	-	-	-



Guest Lecture on “Geo Physical Methods – Induced Polarization & Self Potential methods to determine electrical resistivity” on 31.01.2019 by Dr.V.S.Sharma, Scientist, NGRI, Hyderabad



Dr.Prabhakar Gundlapalli, Chief Engineer (Civil) Scientific Officer.H,Nuclear Power Corporation of India Limited (NPCIL) Ltd.

delivered a Guest Lecture on “Research Opportunities for Civil Engineers at NPCIL” on 09.03.2019



Two day workshop on Structural Engineering Software (ETABS & STAAD Pro) on 11.03.2019 & 12.03.2019



National Level Technical Symposium "CIVICLAN 2019" on 12.03.2019



Mr.S.Sridarane, Senior Town Planner, Department of Town & Country Planning, Pondicherry delivering a talk at National Level Technical Symposium “CIVICLAN 2019” on 12.03.2019



Two Day workshop on Construction Management Software for B.Tech. Students on 14th & 15th March 2019.



Water Day Celebration on 22.03.2019 and Lecture on “Climate Change and Water Security” by Dr.E. Arun Babu, Assistant Professor (Selection Grade),Centre for Water Resources, Anna University,

5. 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.	Guest Lecture on "Higher Studies Opportunities in NewZealand	16.08.2018	3,000/-	
2.	Guest Lecture on "Emerging Technologies on Renewable Energy"	16.08.2018	3,000/	
3.	Two day workshop on "Electrochemical Corrosion Techniques Theory & Hands on Training"	07.09.2018 to 08.09.2018	10,000/-	
4.	Guest Lecture on "Tunneling Techniques in Chennai Metro Railway Limited" in Inauguration of Society of Civil Engineering	14.09.2018	3,000/	
5.	Guest Lecture on " Modern Construction Materials"	17.09.2018	3,000/	
6.	Guest Lecture on " Environmental Geo Technology"	17.09.2018 to 20.09.2018	3,000/	
7.	Guest Lecture on "Guidance on Career development and Higher Studies"	27.09.2018	3,000/	
8.	Guest Lecture on "Fire Safety and Smart Building	12.10.2018	3,000/	

9.	Guest Lecture on “Geo Physical Methods – Induced Polarization & Self Potential methods to determine the electrical Resistivity”	31.01.2019	3,000/	
10.	Guest Lecture on “Research Opportunities for Civil Engineers at NPCIL	09.03.2019	3,000/	
11.	National Level Technical Symposium “CIVICLAN 2019”	12.03.2019	35,560/-	



**Dr.B.Suresh, CEO & Managing Director, M/S. Mahindra Consulting Engineers Pvt. Ltd., Chennai
at International workshop on Smart and Sustainable Green Infrastructure (IWSSGI 2019)**

6. Conferences / FDP / Seminars / Workshops Attended

S.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.	Dr.P.Vasanthi	Training Programme on "Academic Leadership"	Training Programme	30.07.2018 - 02.08.2018	B.S.Abdur Rahman Crescent Institute of Science and Technology	Nil
2.	Mr.G.Priyanth	National workshop on "Safety Health and Environment in Construction"	Workshop	19.07.2018 - 20.07.2018	National Institute of Construction Management and Research (NICMAR)	Nil
3.	Mr.B.Bharanidharan	NAFEMS Workshop on FEM & Practical Stress Analysis	Workshop	20.07.2018 -	The Chancery Pavilion,	Rs.8,000/-

				21.07.2018	Bengaluru	
4.	Dr.V.S.Priya, Ms.J.Shri Indhu, Ms.G.Madumathi	One week Faculty Orientation Programme for newly joined faculty	FDP	06.08.2018 - 10.08.2018	B.S.Abdur Rahman Crescent Institute of Science and Technology	Nil
5.	Dr.V.S.Priya	NPTEL course on "Structural Analysis of Nano materials"	NPTEL online Course	August - September 2018	NPTEL AICTE online	Nil
6.	Mr.B.Kannadasan	NPTEL course on "Remote sensing & Digital Image Processing of Satellite Data"	NPTEL online Course	August - September 2018	NPTEL AICTE online	Nil
7.	Mr.B.Kannadasan	NPTEL course on "Remote sensing & Digital Image Processing of Satellite Data"	FDP	August - September 2018	NPTEL AICTE online	Nil
8.	Ms.V.Roopa, Mr.Shafeer Ahamed, Mr.A.Sheik Farid Mr.B.Bharanidharan, Mr.S.Dhamodharan, Ms.P.M.Shanmuga	Two day workshop on "Electrochemical corrosion Techniques Theory & Hands on Training"	Workshop	07.09.2018 & 08.09.2018	B.S.Abdur Rahman Crescent Institute of Science and Technology	Nil

	Priya & Ms.J.Shri Indhu					
9.	Mr.Sheik Farid, Mr.Dhamodharan, Mr.B.Bharanidharan, Ms.N.Manicka Priya	2 Day FDP on Teaching Techniques	FDP	10.09.2018 & 11.09.2018	Conducted by ICT Academy at Guru Shree Shantivijai Jani college for Women, Chennai	Nil
10.	Mr.Sheik Farid	One day workshop on "Multiple Intelligence" for Teaching	Workshop	15.09.2018	B.S.Abdur Rahman Crescent Institute of Science and Technology	Nil
11.	Ms.M.Ayisha Siddiqua & Mr.Y.Ibrahim	NPTEL Course on " Wastewater Treatment and Recycling "	NPTEL online Course & FDP	July - October 2018	NPTEL AICTE online	Nil
12.	Ms.M.Ayisha Siddiqua & Mr.Y.Ibrahim	NPTEL Course on " Geo Environmental Engineering (Environmental Geotechnology) Landfills, Slurry Ponds & Contaminated Sites "	NPTEL online Course & FDP	July - October 2018	NPTEL AICTE online	Nil

13.	Ms.V.Roopaa & Mr.G.Priyanth	NPTEL Course on "Fire Protection Services & Maintenance Management of Building"	NPTEL online Course & FDP	August - October 2018	NPTEL AICTE online	Nil
14.	Ms.V.Roopaa & Mr.G.Priyanth	NPTEL Course on " Introduction to Accounting and Finance for Civil Engineers"	NPTEL online Course & FDP	August - October 2018	NPTEL AICTE online	Nil
15.	Mr.B.Kannadasan	workshop on "Renewable Energy Adopting Smart Technologies	Workshop	01.10.2018	B.S.Abdur Rahman Crescent Institute of Science and Technology	Nil
16.	Dr.A.K.Kaliluthin	Professional Education course on " Corrosion Mitigation for Reinforced Structures 2.0 PDH"	Education Course	04.10.2018	Vector Corrosion Technologies Inc. at IIT, Madras	Nil
17.	Dr.A.K.Kaliluthin and Mr.Palla Sreekanth	One day seminar on Affordable Housing for All using Sustainable Constructional Materials	Seminar	27.10.2018	Structural Steel Research Group of IIT Hyderabad	Nil
18.	Mr.B.Kannadasan	Two days National Level faculty	Workshop	09.11.2018	St. Joseph's	Nil

		workshop on "Total Station, GPS and Gas Chromatography"		& 10.11.2018	Institute of Technology, Chennai	
19.	Dr.G.Madumathi	3 Days Residential Training Programme on Fecal Sludge Management in Urban India	Training Programme	23.11.2018 - 25.11.2018	Trichy	Nil
20.	Ms.Nisha Khanam	Advances in Hydrology & Water Resources	One day workshop	26.11.2018	Centre for Water Resources, Anna University	Nil
21.	Mr.B.Kannadasan	GIAN course on "Statistical and Econometric Methods in Transportation	GIAN Course	26.11.2018 - 30.11.2018	IIT, Kharagpur (MHRD)	Nil
22.	Ms.P.M.Shanmuga Priya & Ms.J.Shri Indhu	FDP on "Strength of Materials	FDP	03.12.2018 & 09.12.2018	NGP College of Engineering & Technology	Nil
23.	Ms.K.Kanmani	NPTEL Course on " Introduction to Remote Sensing"	NPTEL online Course & FDP	January to February 2019	NPTEL AICTE online	Nil
24.	Ms.K.Kanmani	Going places with spatial Analysis	MOOC	21.03.2019	ESRI	Nil
25.	Mr. Kannadasan	NPTEL Course on " Housing	NPTEL online	January to	NPTEL AICTE	Nil

		Policy and Planning”	Course & FDP	March 2019	online	
26.	Mr. Kannadasan	NPTEL Course on " Digital land Surveying and Mapping(DLS &M)”	NPTEL online Course	February to April 2019	NPTEL AICTE online	Nil
27.	Ms.K.Kanmani, Ms.M.Ayisha Sidiqia, Mr.G.Priyanth and Ms.J.Shri Indhu	National Seminar on E- learning and Moocs in Higher education	National Seminar	09.03.2019	Guru Angad Dev Teaching Learning Centre of MHRD collaboration with BSARCIST	Nil
28.	Dr.A.K.Kaliluthin	6 days MHRD Training Programme on Academic Leadership	FDP	01.04.2019 & 07.04.2019	MHRD with B.S.Abdur Rahman Crescent Institute of Science and Technology	Nil
29.	Mr.B.Kannadasan	FDP on “Applications of Image Processing Using MATLAB”	FDP	02.05.2019 & 03.05.2019	Department of Faculty Training Academy BSARCIST	Nil

30.	Ms.N.Manicka Priya	FDP on “Experimental studies on concrete and soil characteristics”	FDP	13.05.2019 to 17.05.2019	SRM Institute of Science and Technology	Nil
31.	Mr.Y.Ibrahim and Mr.B.Kannadasan	FDP on Foundational course in Entrepreneurship	FDP	17.006.2019 to 23.06.2019	Wadhvani Foundation at PES University, Bangalore	Nil
32.	Mr.B.Kannadasan	GIAN course on "Road Safety Engineering”	GIAN Course	24.06.2019 to 28.06.2019	IIT Guwahati (MHRD)	Nil

7. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	4		9	1		6	3	23

8. Details of Publication

National & International Journals

1. Manu Harilal, V.R.Rathish, B.Anandkumar, R.P.George, M.S.Haji Sheik Mohammed, John Philip, and G.Amarendra "High performance green concrete (HPGC) with improved strength and chloride ion penetration resistance by synergistic action of fly ash, nanoparticles and corrosion inhibitor" Construction and Building Materials, Vol.198, pp 299-312 (ISSN No.0950 -0618) I.F.: 3.485 2019
2. Revathy Jayaseelan, Gajalakshmi Pandalu and Sanju Selvam "Investigation on the Performance Characteristics of Concrete Incorporating Nanoparticles" Jordan Journal of Civil Engineering, Volume 13, No.2, pp. 351-360, 2019
3. Umar Mohd, Fathima Naheetha, Haji Sheik Mohammed.M.S., and Hemalatha.S "Modified Cement Composites for protection against microbial induced concrete corrosion of marine structures" Biocatalysis and Agricultural Biotechnology, Vol. 20, pp.1-7 (ISSN 1878 – 8181) Journal of Civil Engineering June 2019.
4. B.Dheepika Lakshmi and Dr.K.Yogeswari "A Review on a Fire Retarding – Thatched Roof for Rural Development" IOSR Journal of Engineering (IOSR JEN), ISSN (e): 2250 – 3021, ISSN(p): 2278 -8719 pp 39-46.
5. H.Gopala Krishnan and Dr.K.Yogeswari "Review of Pervious Concrete as a Drain Cover Slab" IOSR Journal of Engineering (IOSR JEN), ISSN (e): 2250 – 3021, ISSN(p): 2278 -8719 pp 18 - 23.
6. R.Balakeerthana and Dr.K.Yogeswari, " A Review of Sustainability factors for a New Expressway Corridor" IOSR Journal of Engineering (IOSR JEN), ISSN (e): 2250 – 3021, ISSN(p): 2278 -8719 pp 47 - 53.
7. Dr.K.Yogeswari, B.Dheepika Lakshmi "Experimental Investigation carried out with lighter to provide a fire retardant – thatched roof for Rural Development" International journal of Engineering and Research Technology Volume 8, Issue 6, June 2019

8. Dr.K.Yogeswari and H.Gopala Krishnan “Experimental Study on Pervious Concrete as a Drain Cover Slab’ International Journal of Recent Technology and Engineering (IJRTE) ISSN:2277-3878, volume -8, Issue -1, May 2019.
9. *Ayisha Siddiqua M., Karpagam v., K. Jagadeesh and Y. Ibrahim “A case study on spatial variation of surface water quality by WQI method” Pollution Research, Vol 38, Issue 2, 2019; Pp. 338-341.*

National & International Conference

1. Mohd Umar, M.S.Haji Sheik Mohammed, Naheetha Fathima and S.Hemalatha “Microbial Induced corrosion in RCC Structures and its preventive measures (An Overview)” international Conference & Expo on Corrosion (CORCON 2018), NACE International India Section, Jaipur Exhibition and Convention Centre, 30 September 2018.
2. Md.Muheeb Ahmed, Mohd Umar and M.S. Haji Sheik Mohammed “Cementitious Repair Composites for Distressed RCC Elements for enhanced corrosion Protection – A Review” international Conference & Expo on Corrosion (CORCON 2018), NACE International India Section, Jaipur Exhibition and Convention Centre, 30 September 2018.
3. G.Priyanth and K.Eswari “ Big Data Analytics Potential in transforming Indian Construction Industry” in third International Conference on Construction Real estate Infrastructure & Project November 2018.
4. G.Madumathi “ Case Study Assessment of Groundwater Quality due to onsite sanitation systems” in Sustainable Environment International Seminar on BSACIST, December 2018.
5. G.Madumathi “ Scenario study for Groundwater contamination by Surface Sanitation systems” in Hydro International 2018, Patna, December 2018
6. Revathy Jayaseelan, Gajalakshmi Pandalu Sanju Selvam and R.Jeeva “Experimental Investigation on the Influence of Nano Metal Oxide Particles in Concrete” in proceedings of National Conference on Advances in Structural and Construction Engineering, Annamalai University October 30- 31 2018.

7. Gajalakshmi Pandalu Revathy Jayaseelan G.S.Murasha and M.Dyaneshwaran “Investigation on the behavior of Cest columns with multi cell stiffener under lateral cyclic loading” ” in proceedings of National Conference on Advances in Structural and Construction Engineering, Annamalai University October 30- 31 2018.
8. K. Eswari and Dr.K.Yogeswari “Addressing Sustainability in Port Development” in International Conference on Sustainable Environment & Civil Engineering (ICSECE’19), Easwari Engineering College, Chennai. 28-29 March 2019 pp.1 – 10.
9. H.Gopala Krishnan, and Dr.K.Yogeswari “Review of Pervious Concrete as a Drain Cover Slab” in International Conference on Sustainable Environment & Civil Engineering (ICSECE’19), Easwari Engineering College, Chennai. 28-29 March 2019 pp.290 – 295.
- 10.R.Balakeerthana, and Dr.K.Yogeswari “ A Review of Sustainability factors for a new expressway corridor” in International Conference on Sustainable Environment & Civil Engineering (ICSECE’19), Easwari Engineering College, Chennai. 28-29 March 2019 pp.321 – 327
- 11.B.Dheepika Lakshmi, Dr.K.Yogeswari “A Review on a Fire Retarding – Thatched Roof for Rural Development” in International Conference on Sustainable Environment & Civil Engineering (ICSECE’19), Easwari Engineering College, Chennai. 28-29 March 2019 pp.3391 – 346.

9. Details of Impact Factor Of The Publication and H-Index

A) Range: 0.451-2.309 B) Average: 1.38 C) H-Index: 4 D) No. In Scopus: 5

Sponsored Research (Ongoing / Applied)

S. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	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. M.S. Haji Shiek Mohammed, B.S.Abdur Rahman Crescent Institute of science nad technology	Extra Mural research Funding	Structural Behaviour of Corroding Prestressed Concrete Systems and Extension of Service Life using Cathodic Protection	49.5 Lakhs				Ongoing
2	Dr.G.RadhaKrishna G Pillai, Department of Civil Engineering, IIT , NIT Trichy, Dr. M.S. Haji Shiek Mohammed, B.S.Abdur	Industry Project	Evaluation of Sacrificial anode/ cathodic prevention/ Protection (SACP) systems for various	25.26 Lakhs				ongoing

	Rahman Crescent Institute of Science and Technology		types of concrete systems					
	Ms.Roopa.V	DST,SERB ,TARE	Corrosion protection and service life extension of reinforced concrete roofing systems in existing buildings	2.75 Lakhs	2.75 Lakhs	-	-	Ongoing
	Dr. K.Yogeswari, Ar. M. Anitha	MoRD	Improving Thermal comfort for naturally ventilated school buildings	5.7 Lakhs	-	-	-	Applied

10. 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.	Water quality (S.S.Consultancy)	-	25.10.2018	10,000/-	Mr.Y.Ibrahim Dr.P.Vasanthi	Finished
2.	Sewage Treatment Plant (Arts and Science college for Adhiparasakthi Siddhar Peeda Women's Charitable Trust)	21.02.2019	25.02.2019	10,000/-	Dr.V.S.Priya Dr.P.Vasanthi	Finished
3.	Soil Testing of Mohamed Meeran	-	26.02.2019	5,000/-	Dr.P.Vasanthi	Finished
4.	Water quality standard	08.03.2019	19.03.2019	9,500/-	Dr.M.S.Haji Sheik Mohammed Dr.P.Vasanthi Dr.V.S.Priya Dr.G.Madumathi	Finished
5.	Adequacy report for proposed Sewage treatment plant (M/s Sobha Ltd, Guindy)	20.03.2019	26.03.2019	10,000/-	Mr.Y.Ibrahim Dr.P.Vasanthi	Finished
6.	Water quality standard (Estate Office)	24.04.2019	29.04.2019	Internal Sample	Dr.P.Vasanthi Dr.V.S.Priya Dr.G.Madumathi	Finished

7.	Compressive strength of concrete cubes of 150mm size (M/s. Chennai Metropolitan Development Authority)	26.06.2019	02.07.2019	3,000/-	Dr.P.Vasanthi Mr.S.Shafeer Ahamed	Finished
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Details of Special Research Laboratories Created

S.No	Name of the Lab	Details of Infrastructure		Value of Equipment procured in the Financial Year 2018-19
		Land	Construction Space	
1.	Construction Materials Testing Lab	3408 sq. ft.	2282 sq. ft.	6.75 Lakhs
2.	Advanced Structural Engineering Lab	3388 sq. ft.	2483 sq. ft.	6.06 Lakhs

11. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1.	Concrete Mixer	Sofeel Marketing, Chennai	03.09.2018	1,59,300	Yes	
2.	Key Sight (Digital Multimeter with USB)	M/S. Elmack Engineering Service, Anna Nagar, Chennai	22.01.2019	51,282	Yes	
3.	Key Sight (along	M/S. Elmack Engineering	30.01.2019	94,500	Yes	

	with power chord, CD Rom)	Service, Anna Nagar, Chennai				
4.	Costx Estimation Software	Infinity Private Limited, Chennai	08.04.2019	1,41,750	Yes	
5.	Core Case (core bit and water jacket)	Aimil Limited, New Delhi	20.05.2019	63,000	Yes	
6.	Profoscope plus with accessories	Aimil Limited, New Delhi	20.05.2019	2,15,000	Yes	

12. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1.	Dr.M.S.Haji Sheik Mohammed	Knowledge Fair – 2018 Indian School, Doha	Doha, Qatar	Participation in Knowledge Fair – 2018 Promotion of Institution Programme	27.12.2018 to 30.12.2018	Visibility to Insitution Programmes Interaction with 300+ Students & Parents

Faculty Internships

S.No	Name of the Faculty	Industry details	Period of Internship	Outcome
1.	Mr.D.Mohamed Shanavaz	Puducherry Town Planning Department	16.07.2018 to till date	

13. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr.M.S.Haji Sheik Mohammed	Guest Lecture	Invited for Technical Lectures in the Training Programme organized by 'Kerala Highway Research Institute (KHRI)', Government of Kerala on 09.11.18	August 2018
2.		Vice Chair	Symposia on "Corrosion in RCC Structures" – International Conference & Expo on Corrosion (CORCON 2018) held at Jaipur.	September 2018
3.		Registered Assessor	National Assessment and Accreditation Council (NAAC), Bangaluru	November 2018

4.		Executive Committee (EC) member	Indian Concrete Institute (ICI) - Chennai Centre	2019
5.		National Association of Corrosion Engineers (NACE)	Life Membership Card	2019
6.		SWE Affiliate	Society of Women Engineers (SWE), India	February 2019
7.	Dr. P. Vasanthi	Chair Person	International Conference on Sustainable Environment & Civil Engineering (ICSECE '19) at SRM Easwari Engineering College, Chennai.	March 2019
8.		Chief Guest	Delivered a Lecture at Peri Institution	
9.	Dr.J.Revathy	Guest Lecture	Jeppiaar SRR Engineering College	
10.		Guest Lecture	S.A.Engineering College	
11.	Dr.P.Gajalakshmi	Guest Lecture	Jeppiaar SRR Engineering College	
12.		SWE Affiliate	Society of Women Engineers (SWE), India	February 2019
13.	Dr. V. S. Priya	Guest Lecture	Invited for Guest Lecture in the Biological waste water Treatment	2019

			organized by Centre for Environmental studies, Anna University, Chennai.	
14	Dr.A.K.Kaliluthin	Chief Guest & Chair Person	Invited as a chief Guest and chair person for the two days “International conference on Informatics Robotics Construction & Communication” at Peri Institute of Technology, Chennai	2019
15	Mr. B. Kannadasan	Top second learner	Taken most number of NPTEL online exams	2019

14. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Mr. Ram Kumar	160011601061	Inspiring Rotaractor award	Rotaract Club of Crescent	2018-2019
2.	Mr.V.Avinash	160011601088	Paper Presentation	Rajalakshmi Engineering College	September 2018
3.	Mr. Ram Kumar	160011601061	NPTEL online Certification	SWAYAM	Feb – April 2019

15. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	Kankyo Cleantech New No.11, Vasans Building, Ayyavu Street, Ayyavu Colony, Aminjikarai, Chennai – 600 029.	MOU	January 2019	Yes		3 Pilot Units established in Crescent Campus

Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1.	World water Day	lecture	8	70	-	Dr.E. Arun Babu, Assistant Professor (Selection Grade), Centre for Water Resources, Anna University	To develop interaction with other institutes	
2.	Bridge Design,	Workshop	2	48	-	Skyfi Education Labs Pvt. Ltd	To gain	

	Fabrication & Testing					(member)	exposure by interacting with companies	
3.	Civician 2019	Technical Symposium	25	56	-	Mr.S.Sridarane, Senior Town Planner, Department of Town & Country Planning, Pondicherry	To develop interaction	
4.	Guest Lecture on "Tunneling Techniques in Chennai Metro Railway Limited" during Inauguration of Society of Civil Engineering	Society Inauguration	2	120	-	Mr.Sridharan srinivasan Deputy General Manager, L&T. Project Manager CMRL, Chennai	To gain exposure by interacting with companies	
5.	"Young Genius" National level competition for School Students	Competition	9	64	-	Dr.S. Virapan , Chairman and Managing Director of S.V.Association Chennai	To expose Crescent Institute to School Students	

6.	Engineer's Day	Lecture	4	48	-	Mr V Ramanathan, Deputy General Manager, Dalmia Cements, Chennai	To gain exposure by interacting with companies	
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16. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1.	UiTM Mara	Promotion of mutual understanding, academic, cultural and scientific thought and personnel exchange				The Students of UiTM are eligible to pursue their Master's Degree with Scholarship, subject to the discretion of fixing the quantum of amount by the parties	ongoing
	eStaar max technologies private limited	Academic	25	01	2018	We will be supporting the CAD Laboratory with latest software and establish "Autodesk Centre of Excellence (COE)" for a period of 3 years	ongoing

17. Extension Activity Conducted

S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	National level competition for School Students	9	64	-	School Students	1 Day	Understand the importance of having a sustainable environment
2.	Swatch Bharat (Unnat Bharat Abhiyan scheme)	7	61	20	Manimangalam Village	1 Day	Household survey and village survey



National Level Competition on theme “Go Green in the City, Learn from Nature, & Beat Plastic Pollution” for School Students held on 24.10.2018



Survey at Manimangalam village Kanchipuram district by third year students on April 23, 2019 for Unnat Bharat Abhiyan scheme

18. Important Visitors

S. No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Prof. Dr. M. Arockiasamy	Professor & Director, Center for Infrastructure and Constructed Facilities, Civil, Environmental & Geomatics Engineering, Florida Atlantic University, Florida, USA	Guest Lecture on “Emerging Technologies on Renewable Energy”	Further opportunities for internships and research
2.	Dr.Suhaimi Abdul Talib	Professor, Faculty of Civil Engineering UiTM , Malaysia	Lectures on two modules(hydrology of Contaminants and hazardous waste management) Elective course CEBX20-Environmental Geo - Technology	Further opportunities for internships and research
3.	Dr. S. Virapan	Chairman and Managing Director, SV Associates, Chennai	Guest Lecture on ‘Fire safety and Smart Building	Further opportunities for internships and research
4.	Mr. Varun Sridharan	Chief Executive Officer (CEO),	Key note Speaker in International	Further opportunities for

		Greenenvironment Innovation & Marketing India Private Limited, Chennai	workshop on Smart and sustainable green infrastructure (IWSSGI 2019)	internships and research
5.	Dr. S. Virapan	Chairman and Managing Director, SV Associates, Chennai	Guest Lecture on Importance of MEP/PMC works in building construction in International workshop on Smart and sustainable green infrastructure (IWSSGI 2019)	Further opportunities for internships and research
6.	Mr.Sridharan Srinivasan	Deputy General Manager, L&T. Project Manager CMRL, Chennai	Guest Lecture on "Tunneling Techniques in Chennai Metro Railway Limited" in Inauguration of Society of Civil Engineering	Further opportunities for internships and research
7.	Prof. Dr. Hamidah Mohd.Saman	Professor, Deputy Dean (Research, Industry Linkages and Alumni) Faculty of Civil Engineering Universiti of Tecknologi, MARA, Malaysia	Guest Lecture on Smart Materials and Artificial Intelligence : Construction Technology's Next Frontier	Further opportunities for internships and research
8.	Dr. Zakiah Binti Ahmad	Professor & Dean,	Guest Lecture on Case Study	Further opportunities for

		Faculty of Civil Engineering Universiti of Tecknologi, MARA, Malaysia	“Development of Standards for Timber Structures using Tropical Hardwoods” for sustainable future through Timber Construction	internships and research
9.	Dr. Siti Zaharah Binti Ishak	Director General Malaysian Institute of Road Safety Research (MIROS), Malaysia	Guest Lecture on Smart Initiatives in Transportation and Urban Planning	Further opportunities for internships and research



“Professor Sr Ir Dr Suhaimi Abdul Talib, Chairman, UiTM Private Education Sdn. Bhd. INTEC Education College handled part of a course on Environmental Geo-technology between 17.09.2018 to 20.09.2018”



Dr. S.Virapan, Chairman and Managing Director of S.V.Associates, delivered a lecture on “Fire Safety and Smart Buildings” on 12.10.2018



Mr. Varun Sridharan Chief Executive Officer (CEO),Greenenvironment Innovation & Marketing India Private Limited, Chennai delivering a talk on “Smart water management” at the International workshop on Smart and Sustainable Green Infrastructure (IWSSGI 2019)



Prof. Dr. Hamidah Mohd.Saman Professor, Deputy Dean (Research, Industry Linkages and Alumni) Faculty of Civil EngineeringUniversiti of Tecknologi, MARA, Malaysia delivering a talk on “Smart Materials and Artificial Intelligence: Construction Technology’s Next Frontier” at the International workshop on Smart and Sustainable Green Infrastructure (IWSSGI 2019)



Dr. Zakiah Binti Ahmad Professor & Dean, Faculty of Civil Engineering Universiti of Teknologi, MARA, Malaysia delivering a talk on “Development of Standards for Timber Structures using Tropical Hardwoods” for sustainable future through Timber Construction” International workshop on Smart and Sustainable Green Infrastructure (IWSSGI 2019)



Dr. Siti Zaharah Binti Ishak Director General Malaysian Institute of Road Safety Research (MIROS), Malaysia delivering a talk on “Talk on Smart Initiatives in Transportation and Urban Planning “at International workshop on Smart and Sustainable Green Infrastructure (IWSSGI 2019)

SCHOOL OF MECHANICAL SCIENCES

- **Dept. of Mechanical Engineering**
- **Dept. of Aerospace Engineering**
- **Dept. of Automobile Engineering**
- **Dept. of Polymer Engineering**

Department of Mechanical Engineering

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	CATIA	Sep'2018 to Jan'2019	60	CAAD centre, Tambaram	15	Nil	Nil
2.	NX CAD	Sep'2018 to Jan'2019	60	CAAD centre, Tambaram	5	Nil	Nil

Important Remarks:

- This course is offered for final and pre final year students
- Conducted in our campus during evening hrs

2. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	ATP (Advance	May 2019	75	TVS Training&	11	Nil	Nil

	Training programme)	to April 2020		Services			
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Important remarks:

- This programme is offered for third year students
- Selection for this course is based on test and interview performance
- Conducted at TVS training services premises during vacation and week ends

3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec .	No. of Students				
1.	B.Tech (Mech)	7	C	20	Mr.P.V.Rangaroa	Neyveli Thermal power Station	3.8.2018	To gain the knowledge about the working principle of thermal power plant Able to identify the various material handling equipment
2	B.Tech (Mech)	7	B	29	Dr.SerajulHaque	Neyveli Thermal power Station	01.10.2018	To gain the knowledge about the working principle of thermal power plant Able to identify the various material handling equipment

Sl.	Participant Details				Name of faculty	Industry	Date /	Outcome
3	B.Tech (Mech)	7	A	49	Mr.S.Rajarajan	MAPS- Madras Atomic Power station	16.11.201 8	To gain the knowledge about Nuclear Power plant
4	B.Tech (Mech)	6	A	52	Mr.K.Jamesha Ibrahim	ICF-Integral Coach Factory	19.03.201 9	To gain the knowledge about sheet metal fabrication Assembling of coaches
5	B.Tech (Mech)	6	D	44	Mr.M.Pervaz Ahamed	ICF-Integral Coach Factory	19.03.201 9	To gain the knowledge about sheet metal fabrication Assembling of coaches
6	B.Tech (Mech)	6	B	55	Mr.C.Sivakumar	Vigor Industrial Product private Ltd	20.03.201 9	To gain the knowledge about sheet metal fabrication
7	B.Tech (Mech)	4	C	55	Mr.HimanshuDwive di	Neyveli Thermal power Station	27.03.201 9	To gain the knowledge about the working principle of thermal power plant Able to identify the various material handling equipment

Sl.	Participant Details				Name of faculty	Industry	Date /	Outcome
8	B.Tech (Mech)	4	B	63	Mr.A,Muthu Manokar	Neyveli Thermal power Station	12.04.201 9	To gain the knowledge about the working principle of thermal power plant Able to identify the various material handling equipment

4. Conferences / FDP / Seminars / Workshops Organized

S. 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	Workshop on Micro Electro Mechanical Systems (MEMS) on 12th September 2018	Workshop / MEMS	September 12, 2018		Dr. E. Paul Braineard Assistant Professor IIT Madras	3	33	-	4
2	Workshop on Multiple Intelligence - Syllabus Plus	Workshop	September 15, 2018	Syllabus Plus Pvt. Ltd.	Dr. Bennet Jay Ragland Executive	50			

					Director Syllabus Plus Pvt. Ltd				
3	Workshop on “Building your own 3D Printer” sponsored by ASME on the 29th of October 2018	Workshop	October 29, 2018	M/s Monotech Ltd.	M/s Monotech Ltd.	-	25	-	-
4	Inauguration of Societies	SME / ASME / SAE	October 8, 2018		Mr. RIYAZUDDIN MOHAMMED, Manager, Technology Development, Mahindra & Mahindra Ltd.	37	650	-	-
5	Workshop on MS- Office (Word & Excel for Non- Teaching Staff	Workshop	December 20, 2018			17	-	- -	-

-6	Principles of Clutch Design - Recent Trends	Guest Lecture	October 29, 2018		Mr. C. Venkatachalam Manager, Clutch Design Valeo India Pvt. Ltd.,	-	70	-	-
7	Training Programme for Pre-final year students by Alumni	Training Programme - career counselling	Febraury 02, 2019		BSA Crescent Alumini Association	-	240	-	-
8	Inter Collegiate Technical Symposium	Symposium	March 14, 2019				135		15
9	An awareness Programme on Entrepreneurship	Seminar	May 05, 2019			26	-	-	-
10	Two days workshop on CAD / CAE	Workshop	May 06-07, 2019		Mr. Hari Prasad Adroitec	25	-	-	-

5. 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.	Inauguration of Societies	October 8, 2018	15,000/-	
2.	Department Technical Symposium	March 14, 2019	25,000/	

Conferences / FDP / Seminars / Workshops Attended

S. 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	Dr. H. Siddhi Jailani	Post Indo-Japan Symposium Workshop on Thermal Spray Coatings	Workshop	July 18, 2018	Indian Institute of Technology, Nagaoka	

S. 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)
		and Applications jointly organized by Indian Institute of Technology, Nagaoka University of Technology Japan, Plasma Giken Co. Ltd, Ja[am and Indian Institute of Metals Chennai Chapter			University of Technology Japan, Plasma Giken Co. Ltd, Ja[am and Indian Institute of Metals Chennai Chapter	
2	Mr. Shashank Agarwal	Three days Workshop on Writing Quality Articles, Project Proposals and Patents	Workshop	July 20 - 22, 2018	B.S. Abdur Rahman Crescent institute of Science & Technology	
3	Mr. M. Bala Srinivasan	International Conference on Advances in Design,	International conference -	July 20-21, 2018	SAE INDia	

S. 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)
		Materials, Manufacturing and Surface Engineering for Mobility	ADMMS 18			
4	Mr. A. Varun Kumar	International Conference on Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility	International conference - ADMMS 18	July 20-21, 2018	SAE INDia	
5	Mr. P.D. Jeyakumar	International Conference on Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility	International conference - ADMMS 18	July 20-21, 2018	SAE INDia	
6	Dr. Prince Arockia Doss	International Conference on Advances in Design,	International conference -	July 20-21, 2018	SAE INDia	

S. 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)
		Materials, Manufacturing and Surface Engineering for Mobility	ADMMS 18			
7	Mr. K. Saran Kumar	Three days workshop on "Writing Quality Research Articles, Project Proposals and Patents	Workshop	July 20-22, 2018	BSAIST	
8	Sivakumar. C	Advances in Materials and Manufacturing Applications	International Conference	August 16-18, 2018	Amrita University	-
9	Rajesh G	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	-
10	PervazAhamed M	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science	-

S. 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)
					& Technology	
11	Dr. M.A. Sai Balaji	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	-
12	Dr. S. Prince Arockia Doss	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	-
13	Dr. SerajulHaque	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	-
14	Mr. R. Varun Kumar	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	-
15	Mr. V. Gunasekaran	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science	-

S. 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)
					& Technology	
16	Mr. K. Saran Kumar	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	
17	Mr. S. Loganathan	Workshop on "Multiple Intelligence" for Teaching	Workshop	September 15, 2018	B.S.A. Crescent Institute of Science & Technology	
18	Mr. M. Abdur Rahman	International Conference on Advanced Ceramics and Nanomaterials for Sustainable Development	International Conference	September 19-21, 2018	Christ Deemed to be University	2750
19	Mr. Sirajudeen. N	International Conference on Advanced Ceramics and Nanomaterials for Sustainable Development	International Conference	September 19-21, 2018	Christ Deemed to be University	2750

S. 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)
20	Mr. SerajulHaque	International Conference on Advanced Ceramics and Nanomaterials for Sustainable Development	International Conference	September 19-21, 2018	Christ Deemed to be University	2750
21	Dr. S. Prince Arockia Doss	FISITA 2018 World Automotive Congress - SAE India	FISITA 2018 World Automotive Congress - SAE India	October 2-5, 2018	SAE India	-
22	Dr. S. RasoolMohideen	FISITA 2018 World Automotive Congress - SAE India	FISITA 2018 World Automotive Congress - SAE India	October 2-5, 2018	SAE India	-
23	Dr. P.D. Jeyakumar	FISITA 2018 World Automotive Congress - SAE India	FISITA 2018 World Automotive Congress - SAE	October 2-5, 2018	SAE India	-

S. 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)
			India			
24	Mr. ShahidQayoom	International Conference on "Future Learning Aspects of Mechanical Engineering (FLAME - 2018)" Amity University, Uttar Pradesh	International Conference	October 3-5, 2018	Amity University	-
25	Mr. S. Loganathan	National Seminar on Development of Materials for Aerospace Applications	Semnar	October 25, 2018	B.S.A. Crescent Institute of Science & Technology	
26	Mr. A.Muthu Manokar	Author Workshop organised by Wiley in collaboration with Anna University Library	Workshop	November 19, 2018	Anna University	-

S. 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)
27	Dr. P.D. Jeyakumar	Three days workshop on Recent Trends in Vehicle Dynamics & NVH Control	Workshop	November 26-28, 2018	Panimalar Institute of Technology	-
28	Mr. D.R. Rajendran	5 days FDP on "Recent Advances in Renewable Energy Technologies for Sustainable Development	FDP	November 26-30, 2018	SRM Univesity	-
29	Mr. K. Saran Kumar	International Conference on Advances in Automation, Robotics & Sensing Edition - 2	International Conference	December 11 - 15, 2018	PSG College of Technology	4450
30	Mr. R. Varun Kumar	Biofuels and Fuel Cell - Fundamentals and Applications	Short Term Course	December 03 - 09, 2018	Annamalai University	2600
31	Dr. A. Arockia Julias	Design of Experimetns	Workshop	December 05	B.S.A. Crescent	

S. 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)
				- 06, 2018	Institute of Science & Technology	
32	Mr. Mohamed Ilyas	National Conference on Computational Modeling of Fluid Dynamics Problems (CMFDP-2019) organized by Department of Mechanical Engineering, NIT, Warangal.	National Conference	January 18 - 20, 2019	NIT, Warangal	
33	Mr. K. Jamesha Ibrahim	State level Workshop on "Composing Thesis and Research Papers using LaTeX	Workshop	February 9, 2019	Sri Krishna College of Technology, Coimbatore	
34	Mr. B. Surya Rajan	International Conference	International	February 15 -	SSN College of	

S. 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)
		on Engineering Materials, Metallurgy and Manufacturing - ICEMMM 2018	Conference	16, 2018	Engineering	
35	Mr. K. SathickBasha	International Conference on Engineering Materials, Metallurgy and Manufacturing - ICEMMM 2018	International Conference	February 15 - 16, 2018	SSN College of Engineering	
36	Mr. K. Jamesha Ibrahim	ISTSID 2019		February 24 - 26, 2019	Ministry of Higher Education and Scientific Research, Algeria	
37	Mr. K. Jamesha Ibrahim	National level workshop on Writing a Technical	Workshop	March 2, 2019	Rathinam School of Architecture,	

S. 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)
		Research Paper			Coimbatore	
38	Mr. N. Ravikumar	National Seminar on e-Learning and MOOCs Higher Education	Seminar	March 9, 2019	Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and BSACIST	
39	Dr. A. Arockia Julias	National Seminar on e-Learning and MOOCs Higher Education	Seminar	March 9, 2019	Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and BSACIST	

S. 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)
40	Mr. Mahashar Ali J	National Seminar on e-Learning and MOOCs Higher Education	Seminar	March 9, 2019	Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and BSACIST	
41	Mr. B. Surya Rajan	National Seminar on e-Learning and MOOCs Higher Education	Seminar	March 9, 2019	Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and BSACIST	
42	Mr. PervazAhamed M	National Seminar on e-	Seminar	March 9,	Guru Angad Dev	

S. 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)
		Learning and MOOCs Higher Education		2019	Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and BSACIST	
43	Mr. Balasrinivasan M	International Conference on Future of Advanced Manufacturing	International Conference	March 15, 2019	IIT Park, Deakin- IIT Madras Centre of Excellence in Advanced Materials and Manufacturing	
44	Mr. Varun Kumar A	International Conference on Future of Advanced Manufacturing	International Conference	March 15, 2019	IIT Park, Deakin- IIT Madras Centre of Excellence in	

S. 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)
					Advanced Materials and Manufacturing	
45	Mr. S. Prince Arockia Doss	International Conference on Future of Advanced Manufacturing	International Conference	March 15, 2019	IIT Park, Deakin-IIT Madras Centre of Excellence in Advanced Materials and Manufacturing	
46	Dr. H. Siddhi Jailani	Seminar on Application of Ceramic & Polymer in 3D Printing	Seminar	March 16, 2019	Department of Ceramic Technology, Alagappa College of Technology Campus, Anna	

S. 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)
					University	
47	Mr. V. Gunasegaran	International Conference on Materials, Manufacturing and Modelling (ICMMM 2019)	International Conference	March 29 - 30 2019	VIT, Vellore	8000
48	Mr. M. Balasrinivasan	International Conference on Materials, Manufacturing and Modelling (ICMMM 2019)	International Conference	March 29 - 30 2019	VIT, Vellore	8000
49	Mr. N. Ravikumar	International Conference on Materials, Manufacturing and Modelling (ICMMM 2019)	International Conference	March 29 - 30 2019	VIT, Vellore	8000
50	Dr. M.A. Sai Balaji	Training Programme on Academic Leadership	Workshop	April 1 - 7, 2019	Aligarh Muslim Univeristy	

S. 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)
51	Dr. S. RasoolMohideen	Training Programme on Academic Leadership	Workshop	April 1 - 7, 2019	Aligarh Muslim Univeristy	
52	Dr. M. Thirumurugan	Training Programme on Academic Leadership	Workshop	April 1 - 7, 2019	Aligarh Muslim Univeristy	
53	Dr. H. Siddhi Jailani	Training Programme on Academic Leadership	Workshop	April 1 - 7, 2019	Aligarh Muslim Univeristy	
54	Dr. P.D. Jeyakumar	Training Programme on Academic Leadership	Workshop	April 1 - 7, 2019	Aligarh Muslim Univeristy	
55	Mr. K. Jamesha Ibrahim	National level workshop on Advanced Welding Techniques for joining Dissimilar High Strength Alloys for Aerospace Applications (AWT 2019)	Workshop	April 29 - 3 May, 2019	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai	

6. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
1	-	21	-	-	-	41	-	63

7. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- International Journal&National Journal
- SCI/Scopus Indexed Journal :

1. Muthu Manokar, D. Prince Winston, RavishankarSathyamurthy,A.E. Kabeel, A. Rama prasath, “Review of different methods employed in pyramidal solar still desalination to augment the yield of fresh water”,*Desalination and Water Treatment*,Vol.136, pp.20-30, 2018
2. YazanTaamneh, A. Muthu manokar, A.E. Kabeel,S.A El-Agouz, RavishankarSathyamurthy, Prakash, Prasad Chandran, “Experimental Analysis of inclined Solar Water Heater with Baffles” *Chemical Engineering Transactions*, Vol.71, pp.1339-1344, 2018

3. Mr. N. Sirajudeen, Dr. SerajulHaque, Mr. M. Abdur Rahman, Mr. P.V. Rangarao “Microstructural Analysis and Hardness Enhancement of Mild Steel Plate Coated with Stellite6 Alloy by Friction Surfacing Method”, *JETIR*, Vol. 5, No., 2018
4. G. Rajesh, P. Malliga “Selection of Suppliers using Swara and Copras – G” *International Journal of Enterprise Network Management*, Vol.9, No.2. pp. 169 – 185,2018.
5. B. Surya Rajan, M.A. Sai Balaji “Effect of chemical treatment and fiber loading on physico-mechanical properties of Prosopisjuliflorafiber reinforced hybrid friction composite” *Materials Research Express*, 2018
6. B. Surya Rajan, M.A. Sai Blaji, K. Sathickbasha, “Influence of Binder on Thermomechanical and Tribological Performance in Brake Pad”, *Tribology in Industry*, Vol.40, No.4, pp.654-669, 2018.
7. A. ArokiaJulias, R. Rajaraman, Velamurali, “Effect of Fiber Orientation on the Delamination Behaviour of Glass-Carbon Hybrid Interface”, *International Journal of Mechanical and Production Engineering Research and Developments*, Vol 8, No.3, pp.1159-1166, 2018
8. J. Mahashar Ali, H. Siddhi Jailani, “Surface Roughness Evaluation of Milled Surfaces by Image processing of speckle and white light images”, *Springer Nature Singapore Pte Ltd* 2019, doi.org/10.1007/978-981-13-1724-8_14
9. J. MahasharAli,H. Siddhi Jailani,” Vision based system for surface roughness characterisation of milled surfaces using speckle line images”, *IOP Publishing*, doi:10.1008/1757-899X/402/1/012054

10. P.D. Jeyakumar, M. Thirumurugan, "Experimental Field Performance Analysis of Small Weed Remover in Sugarcane Grassland", *SAE International*, July 18, 2018
11. P. D. Jeyakumar, "Estimation and validation of interfacial heat transfer coefficient during solidification of spherical shaped aluminum alloy (AL601) casting using inverse control volume technique" *Frontiers in Heat and Mass Transfer (FHMT)*, Vol. 21, No.12, DOI: 10.5098/hmt.12.21, 2019
12. M. Abdur Rahman N. Sirajudeen, "Influence of aging, varying particle size & volume fraction of Al₂O₃ particles on the hardness and wear behavior of Al 7150 alloy composite produced by hot uniaxial compaction method" *Materials research express*, 2018
13. K. Sathickbasha, A.S. Selvakumar, M.A. Sai Balaji, B. Surya Rajan, "The dual of metal sulfides as lubricant and abrasive: An interface study in friction composite" *Material Research Express*, <https://doi.org/10.1088/2053-1591/aatdf5a007/978-981-13-6887-5-12>
14. M.A. Sai Balaji, "Monitoring of drill runout using Least Square Support Vector Machine classifier" , *Measurement*, Elsevier, doi:10.1016/j.measurement.2019.05.102
15. M.A. Sai Balaji, "Prediction and Geometric Adaptive control of surface roughness in drilling process", *FME Transactions*, Vol.47, pp. 424-429. doi: 10.5937/fmet1903424S

16. B. Surya Rajan, K. Sathickbasha, M.A. Sai Balaji, "Development of an Automated and Dedicated measuring system of tube dimensions using 1d and 2d laser Displacement Sensors", *FME Transactions*, Vol.47, issue 1, 2018 doi:10.5937/fmet1901122R
17. B. Surya Rajan, M.A. Saibalaji M.A., S. Rasool Mohideen "Tribological Performance and Evaluation of Epoxy modified Phenolic Friction Composite Reinforced with Chemically Modified Prosopis Juliflora Fiber", *Material Research Express*, Vol.6, No.7, 2019 doi: 10.1088/2053-1591/ab07e6.
18. B. Surya Rajan, M. A. Saibalaji, S. Prince Arockia Doss, "Tribological performance evaluation of newly synthesized silane treated shell powders in friction composites" *Material Research Express*, Vol.6, No.6, 2019
19. B. Surya Rajan, M.A. Saibalaji "Effect of Silane surface treatment on the Physico-mechanical properties of shell powder reinforced Epoxy modified Phenolic Friction composite", *Material Research Express*, <https://doi.org/10.1088/2053-1591/ab0ca5>
20. B. Surya Rajan, M. A. Saibalaji, "Tribological performance of graphene/graphite filled phenolic composites-A comparative study" *Composites Communications*, doi: 10.1016/j.coco.2019.05.012
21. K. Sathickbasha, A.S. Selvakumar, M.A. Sai Balaji, B. Surya Rajan, Md. Javeed Ahmed, "Tribo Performance of Brake Friction Composite with Stainless Steel Fiber", *Advances in Materials and Metallurgy*, Springer, Singapore, doi: 10.1007/978-981-13-1780-4_17

- 22.A. Muthu Manokar “Effect of water depth on a novel absorber plate of pyramid solar still coated with TiO₂ nano black paint” *Journal of Cleaner Production*, <https://doi.org/10.1016/j.jclepro.2018.12.185>
- 23.A. Muthu Manokar “Experimental investigation on pyramid solar still in passive and active mode” *Heat and Mass Transfer*, Volume 55, Issue 4, pp.1045-1058, 2019
- 24.A. Muthu Manokar, “Experimental Investigation on the effect of MgO and TiO₂ nanoparticles in stepped solar still”, *International Journal of Energy Research*, Vol. 43, Issue 8, pp. 3295-3305, 2019
- 25.A. Muthu Manokar, “Annual performance analysis of adding different nanofluids in stepped solar still”, *Journal of Thermal Analysis and Calorimetry*, 2019, doi : <https://doi.org/10.1007/s1097>
- 26.A. Muthu Manokar,” Experimental study on conventional solar still integrated with inclined solar still under different water depth”, *Heat Transfer-Asian Research*, Vol. 48, Issue 5, 2019.
- 27.A. Muthu Manokar,” Experimental investigation on the effect of photovoltaic panel partially and fully submerged in water”, *Heat Transfer-Asian Research*, Vol. 48, Issue 5, 2019.
- 28.A. Muthu Manokar, “Performance analysis of spiral and serpentine tube solar collector with carbon nanotube nanofluids under natural flow method”, *Heat Transfer-Asian Research*, <https://doi.org/10.1002/htj.21502>
- 29.A. Muthu Manokar, “Effect of Insulation on Energy and Exergy effectiveness of a solar photovoltaic panel incorporated inclined solar still - an experimental investigation” *Springer Nature Singapore Ptd Ltd.* 2019

- 30.A. Muthu Manokar, "Interlaminar Fracture Behaviour of Hybrid Laminates Stacked with Carbon/Kevlar Fibre as Outer Layers and glass fibre as core" *Springer Nature Singapore Ptd Ltd.* 2019
- 31.A. Muthu Manokar, "A review on different design modifications employed in inclined solar still for enhancing the productivity", *Journal of Solar Energy Engineering*, Vol. 141, Issue 3, 2019.
- 32.A. Muthu Manokar, "Enhancement of potable water production from an inclined photovoltaic panel absorber solar still by integrating with flat-plate collector", *Environment, Development and Sustainability*, pp.1-23, 2019
- 33.V. Muralidharan, "Fault diagnosis of self-aligning troughing rollers in belt conveyor system using k-star algorithm", *Measurement*, Volume 133, Pp: 341-349
34. SerajulHaque, M. Abdur Rahman N. Sirajudeen, "Effect of manufacturing process parameters on the wear rate of Al 6061-Cu-SiCp alloy composites, Investigation of Stir Casting Process Parameters on Wear Rate of Al 6061-Cu-SiCp Metal Matrix Composites." *Emerging Materials Research*, <https://doi.org/10.1680/jemmr.18.00068>
- 35.M. Pervaz Ahmed H. Siddhi Jailani, "Enhancing Wear Resistance of Cryo Treated Cu-Be₂ Alloy", Springer Netherlands, <https://doi.org/10.1007/s12633-018-9835-y>
- 36.V. Gunasegaran, "Synthesis and Characterization of Coconut Shell Ash", *Journal of Nanoscience and Nano technology*, Volume 19, Number 7, July 2019, pp. 4123-4128(6)

- 37.M. Abdur Rahman N. Sirajudeen and SerajulHaque,” “Influence of aging & varying weight fraction of Al₂O₃ particles on the mechanical behaviour & volumetric wear rate of Al 7075 alloy composite produced by liquid metallurgy route” *Materials Research Express*, Vol.6, Issue 8, 2019
- 38.M. Abdur Rahman N. Sirajudeen,” Effect of different heat treatments and varying volume fraction of nano-Al₂O₃ particles on the hardness and wear resistance of Al 7150 alloy matrix composite synthesized by hot uniaxial compaction technique”, ” *Materials Research Express*, Vol.6, Issue 8, 2019
- 39.M. Abdur Rahman N. Sirajudeen and Karunanithi R” “Sinterability and electrochemical behavior of Al₂O₃ dispersed Al 7150 alloy composite prepared by high energy ball milling” *Materials Research Express*, Vol.6, Issue 8, 2019
- 40.M. Abdur Rahman N. Sirajudeen and Karunanithi R”Hardness and dry sliding wear behavior of SiC reinforced Al 7150 alloy composite synthesized under the influence of aging, varying compaction pressures, particle size and volume fraction of ceramic particulates by hot compaction technique” *Materials Research Express*, Vol.6, Issue 6, 2019
- 41.S. Jeavudeen, H. Siddhi Jailani and M. Murugan,” Influence of thermo-electrical property of materials on Powder Mixed Electrical Discharge Machining”, *FME Transactions*, Vo.47, Issue 3, pp. 518-523

- **Other journals : NIL**

- **International Conference & National Conference**

- **Conference with ISBN Proceedings :**

1. Mohamed Dulkiflee M, Varun Kumar A, M Balasrinivasan, K. Balachandar, C Sivakumar, "Influence of SiC Powders on Aluminium Alloy 7075-T6 Joints by Friction Stir Welding Process", *3rd International Conference on Advances in Materials and Manufacturing Applications*, December 2018
2. K.Sarankumar, Rizwan Asif, NekuriVineet, "Design and Modeling of an underwater Bio-Mimicry Snake Robot for Ocean Exploration", *2nd International Conference on Advancements in Automation, Robotics and Sensing*, December 2018
3. K.Sarankumar, Somesh S, "Design and Control of Continuum Robotic Arm Using Electromagnets", *2nd International Conference on Advancements in Automation, Robotics and Sensing*, December 2018
4. K.Sarankumar, Aakash Ram, Akash S, Aadhishesha, "Design of an Underwater Bio-Mimicry String ray Robot using Electroactive Polymers", *2nd International Conference on Advancements in Automation, Robotics and Sensing*, December 2018
5. K.Sarankumar, JazeelAhamed, Kavin V, Mohamed Mohaideen SM, Haris Abdullah, Somesh S "Design and Control of a Robot that imitates a Traditional Puppet using Electromagnets and Rotary Actuators", *2nd International Conference on Advancements in Automation, Robotics and Sensing*, December 2018

6. B.SuryaRajan, K.Sathickbasha, Saibalaji M.A , S.RasoolMohideen , A.S.Selvakumar ,” Tribopeformance of single and multiwall carbon nano tube in the brake pad formulation”, Eurobrake 2019, Dresden, Germany,ISBN978-0-9572076-3-9
7. A. Muthu manokar, “Effect of cover thickenss on the yield of a solar distiller under the EI oued climate,”, International Symposium on Technology and Sustainable Industry Development, Algeria,2019
8. A. Muthu manokar, “Experimental Evaluation of Indirect Solar Cooking Unit Integrated with Thermal System,”, International Symposium on Technology and Sustainable Industry Development, Algeria,2019
9. A. Muthu manokar, “Experimental study on effect of different mass flow rate in an inclined solar panel absorber solar still integrated with spiral tube water heater”, WSTA 13th Gulf Water Conference, Kuwait
- 10.A. Muthu manokar “Energy and Exergy Analysis of an inclied solar panel basin solar still summer and winter climate conditions”, 5th International Conference on Scientific Research ISR – 2019, 2019
- 11.A. Muthu manokar “Experimental Investigation of Passive and Active Inclined Solar Still : Energy and Exergu Study”, 5th International Conference on Scientific Research ISR – 2019, 2019
- 12.A. Muthu manokar “Energy, Exergu and Economic Analysis of a Conventional Solar Still and Peltier Module Integrated Conventional Solar Still - A Comparative Study”, 5th International Conference on Scientific Research ISR – 2019, 2019

- 13.A. Muthu manokar “Enhancement of a PV/T integrated single slope solar still productivity by using water film cooling over glass cover and hybrid natural fibre composite insulation”, 5th International Conference on Scientific Research ISR – 2019, 2019
- 14.A. Muthu manokar “Experimental analysis on the performance of passive solar still by using thermally insulating Nano-blended Unsaturated Polyester Composite”, 5th International Conference on Scientific Research ISR – 2019, 2019
- 15.A. Muthu manokar “CFD studies on Multy Cavity solar Receiver with Two Heat Transfer Fluids”, 5th International Conference on Scientific Research ISR – 2019, 2019
- 16.A. Muthu manokar “Comparative study of conventional solar still with and without cement coated red bricks”, 5th International Conference on Scientific Research ISR – 2019, 2019
- 17.Rajendran D.R, Mr. A. Muthu Manokar, “Application of solar energy on excess agricultural production”, International Conference on Advancements in Mechanical Engineering (ICAME 2019)
- 18.Rajendran D.R, Mr. A. Muthu Manokar, “Studies on the Influencing Parameters in the Design Optimization of Solar Dish Reflector-Cavity Receiver Collector System”, International Conference on Advancements in Mechanical Engineering (ICAME 2019)

19. Varun Kumar A, M Balasrinivasan, R Varun Kumar, Sivakumar C, "Temperature Distribution Study of Friction Stir Welded Aluminium Alloy 7075-T6 joints Reinforced with SiC Powders", ICM MM 2019: International Conference
20. Varun Kumar A, N. Ravikumar & A. S. Selvakumar," Free Vibration Study of Nd-YAG Laser welded Stainless Steel 316 joints Reinforced with Stellite Powder", ICM MM 2019: International Conference
21. Mr. V. Gunasegaran, V. Muralidharan," Fault Diagnosis of Spur Gear System through Decision Tree Algorithm Using Vibration Signal", International conference

National Conference:

1. S.Mohamed Illyas, "Computational Analysis of Heat Transfer Performance of Jet Impingement Cooling on a Flat Surface", "National Conference NIT, Warangal"

Details of Impact Factor Of The Publication and H-Index

- | | |
|------------------|------------|
| A) Range | : 0- 6.395 |
| B) Average | : 1.23 |
| C) H-Index | : 14 |
| D) No. In Scopus | : 51 |

8. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1.	Dr. M. Thirumurugan	DST (SERB)	Wear Resistant Fe based Amorphous Matrix Composite Coating By Laser Cladding					Applied
2.	Dr. H. Siddhi Jailani, Asso. Professor Mr. J. Mahashar Ali, Asst. Prof. (Sr. Gr.)	Tamilnadu State Council for science and Technology, Dote Campus Chennai 25	Utilisation of nano fly ash reinforcement in Al 7075 Aluminium matrix composite for automobile component					Applied
3.	Dr. H. Siddhi Jailani, Asso. Professor Dr. M. Thirumurugan Asso. Prof.	Tamilnadu State Council for Science and	Surface Roughness Evaluation of Machined Surfaces using the wavelet metrics of Laser Speckle					Applied

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
		Technology, Dote Campus, Chennai 25	Images					
4.	Dr. M. Thirumurugan, Asso. Prof. Mr. K. Jamesha Ibrahim Asst. Prof.	Tamilnadu State Council for Science and Technology, Dote Campus, Chennai 25	Eco friendly minimum cost solar still using flat rate integrated with parabolic collector					Applied
5.	Dr. S. RasoolMohideen Dean (SMS) Dr. KajaMohideen	CSIR	Design and fabrication of Effective Light Weight Drone with heavy payload for Environmental Applications					Applied

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctio ned	Available in the beginning of FY	Spent during FY 2018-19	Balance availabl e	
	Dean (SECS) Mr. Magesh Mr. Ramesh							
6.	Dr. V. Muralidharan Asso. Professor	Tamil Nadu State Council for Science & Technology	A Machine Learning Approach to Fault diagnosis of Single Stage Helical Planetary Gearbox					Applied
7.	Dr.SaiBalaji M A Associate Professor Dr.G.Madumathi, Assistant Professor Department of Civil Engineering,	Tamil Nadu State Council for Science & Technology, Dote Campus, Chennai-25	Use of porous concrete wall construction in adsorption of heavy metals in reduction of non-point heavy metal contamination in water bodies					Applied

9. 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.	Disc Wear Testing WABCO	3-7-18	3-7-18	2,000.00	Dr. T.R. Tamilarasan	Completed
2.	Disc Wear Testing Ms. Yamuna Devi, Pondicherry Engineering College	16-10-18	16-10-18	10,000.00	Dr. T.R. Tamilarasan	Completed
3.	ANUPREET - SRM Institute of Science & Technology			13,200.00	Mr. S. Loganathan	Completed
4.	Dhanasekaran, SRM University	26-2-19	26-2-19	1,350.00	Mr. S. Loganathan	Completed
5.	Cryogenic Treatment P. Balakali, SRM Univeristy	26-2-19	26-2-19	25,200.00	Mr. S. Loganathan	Completed
6.	Disc Wear Testing Thangavelu Engg College	13-3-19	13-3-19	5,000.00	Dr. T.R. Tamilarasan	Completed

Sl. No.	Details of Testing / Consultancy work	Date of receipt of order	Date of report submission	Amount received (Rs.)	Faculty involved	Status
7.	Disc Wear Testing Md. Sathak A.J. College of Education	18-3-19	18-3-19	6,000.00	Dr. T.R. Tamilarasan	Completed
8.	Disc Wear Testing Thangavelu Engg College	19-3-19	19-3-19	5,000.00	Dr. T.R. Tamilarasan	Completed
9.	Disc Wear Testing SRM Institute of Science & Technology	10-4-19	10-4-19	2,000.00	Dr. T.R. Tamilarasan	Completed

10. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1.	Machine Design Online Licence	Feat Software Pvt. Ltd. Mumbai	04-09-18	5,00,000/-	Yes	---
2.	Olivetti 52 3D Printer	CAE Center, Chennai	08-04-19	6,61,500/-	Yes	---
3.	Altair Hyperworks Software Client	Design Tech Systems Ltd	25-04-19	5,90,000/-	Yes	---

11. Patents

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1.	System and method for analysis of roughness quality of flat specimen using image processing	√			NIL
2.	Eductor based Powder-Mixed Electric Discharge Machining(PMEDM) Setup	√			NIL
3.	Interior door skin materials for four wheeler	√			NIL

12. International Visits By Faculty / Students

S.No.	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1.	B,SuryaRajan Assistant Professor	Eurobrake 2019 In International	Germany	Attend and present article in	20 -25 May 2019	Established collaboration with Murugappa Morgan

		Congress Centre , Dresden Germany		Eurobrake 2019 Conference.		Ceramics Limited. The senior reps. From MMCL visited on 02 nd July 2019 to BSACIST and asked to submit project proposal on friction material research.
2.	A.MuthuManokar Assistant Professor	Tanta University. Egypt	Egypt	To present the technical manuscript in 5 th International Conference on Scientific Research ISR- 2019, renewable energy & water sustainability	From 24.03.2019 to 30.0.3.2019	To gain the knowledge in new instrumentation used for measuring the various parameters like solar intensity, temperature, and wind speed To get the knowledge in various experimental set- ups such as Hybrid solar still desalination, water heater, air heater, and thermal energy storage

						system
3.	Mr. Mohammed Afzal (RRN: 150021601109)	AVENIR Intl Engineers & Consultants	Abu Dhabi	Internship	From 20.01.2019 to 19.02.2019	Student familiarized to all discipline engineering related to oil & gas projects.
4.	Geetha M (RRN: 150021601133)	VSB Technical University of Ostrava	Ostrava Czech Republic	Project Internship	27.01.2019 to 16.04.2019	Presented a Thesis on Performance Assessment of a hydrogen based fuel cell.

13. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	B,SuryaRajan Assistant Professor	To and Fro economic class air-fare to attend "Euro Brake 2019, Germany (21 May, 2019 to 23 May, 2019) Accommodation to attend "Euro Brake 2019, Germany (21 May, 2019 to 23 May, 2019)	SERB FISITA	April 2019 Feb 2019
2.	A. Muthu Manokar Assistant Professor	Rs. 98,218 to attend the conference on Scientific Research ISR-	SERB	March 2019

		2019, renewable energy & water sustainability Sharm El-Sheikh, Egypt, 26 th to 29 th March 2019 under the International Travel Support (ITS) young scientists scheme		
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Mr. B. Surya Rajan presenting a paper at Euro Brake Conference 2019



Mr. A. Muthu Manokar at conference on Scientific Research ISR-2019, renewable energy & water sustainability Sharm El-Sheikh, Egypt

14. Achievements of Students

.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Naveeth Imran	150021601233	CRESCENTSAT” – visit to UiTM , Malaysia	---	24.03.2019 – 28.03.2019
2	Geetha M	150021601133	Collaborative project –Czech Republic	---	27January – 16 April 2019

15. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Workshop on Micro Electro Mechanical Systems (MEMS) on 12th September 2018	September 12, 2018	Faculty - 3 Student - 33	To gain the knowledge in MEMs	Able to explain the various process and functions of MEMS
2	Workshop on Multiple Intelligence - Syllabus Plus	September 15, 2018	Faculty - 50	To learn about Multiple Intelligence	Able to adopt multiple intelligence concepts
3	Workshop on “Building your	October 29,	Student - 25	To gain the	Able to build the 3D

	own 3D Printer” sponsored by ASME on the 29th of October 2018	2018		knowledge in 3D printing	printing Machine
4	Workshop on MS-Office (Word & Excel for Non-Teaching Staff	December 20, 2018	Staff -17	To explore the MS office tools	Able to work in MS office
5	Principles of Clutch Design - Recent Trends	October 29, 2018	Student - 70	To gain the knowledge in clutch design	Able to design the clutch
6	An awareness Programme on Entrepreneurship	May 05, 2019	Faculty -26	To learn about Entrepreneurship	Able To understand the nutshell of Entrepreneurship
7	Two days workshop on CAD / CAE	May 06-07, 2019	Faculty - 25	To gain the knowledge in CAD / CAE	Able to work in Hypermesh&Creo

16. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	Basil Energetic pvt.Ltd	R&D	March 2019	Ongoing		To submit the consultancy project

2.	Murugappa Morgan Ceramics	R&D	June 2019	Ongoing	To submit the consultancy project
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17. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1.	SAE	MEGA ATV 2019, 18-19 March 2019,GOA	Dr.P.D.Jeyakumar S.Loganathan K.Sarankumar	SAE Collegiate club Members		----	Design, fabrication and Testing of an all-terrain vehicle	
2.	ASME	3D Printer Workshop	----	25	---	M/s Monotech Ltd.	Able to fabricate the 3D Printer	--

Extension Activity Conducted

S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Consultancy Work	Mr.N.Ravi			Basil Energetics	6 months	Funding

		Kumar			pvt.Ltd		
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18. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Mr.OthmanDarwishAlBalushi	First Secretary Embassy of the sultanate of oman New Delhi	To inspect the facilities	PG Admission
2.	Mr.Rajesh	DGM-Training TVS Motors	To inspect the facilities	Establish Training Centre

Department of Aerospace Engineering

1. New Programmes Started : Four New Programs started in collaboration with Madras Flying Club -
- a. Student Pilot License
 - b. Flight Dispatcher
 - c. Cabin Crew Management
 - d. Airport Ground handling

2. Conferences / FDP / Seminars / Workshops/Guest Lecture/Crestech Conducted:

- Conducted a technical symposium Crestech “JETSCREECH” on 28th Feb 2019.
- Guest Lecture on “Skills and Opportunities in Aerospace Engineering” on 2nd Feb 2019.
- Guest Lecture on Practical Applications of “Fluid Mechanics” on 1st Feb 2019.
- A **National level Seminar** on “Development of Materials for Aerospace Applications” conducted on 25th October 2018” .
- A National level Workshop on Design and Development of Quadcopter UAV on 12th September 2018.
- Guest Lecture on “Recent advances on Development in combustion problems and challenges in the scramjet engines on 8th Sep 2018.

3. Conferences / FDP/ Seminars / Workshops attended:

- Dr. Ashoke Ghosh attended a workshop on “Python” on 22nd June 2019.
- Mr. S. Karthikeyan attended a workshop on “Advanced Material Characterization” on 10th to 14th June 2019.
- Mr. S. Karthikeyan attended a seminar on “NPTEL and MOOC in higher education” organized by Guru Angad Dev Teaching and learning center of MHRD on 9th Mar 2019.
- Mr. S. V. Karthikeyan attended an FDP on Fundamentals of surface Engineering, July to Oct 2018 organized by NPTEL.
- Mr. M. Magesh participated in a one-day National seminar on “Development of Materials for Aerospace Applications” on 25th Oct 2018.
- Mr. S. Karthikeyan attended the International conference on “ Advanced Ceramics and Nanomaterials for Sustainable Development” on 19th & 20th Sep 2018.
- Mr. R. Karunanithi attended an International conference on “Advanced Ceramics and Nanomaterials for Sustainable Development” on 19th & 20th Sep 2018.
- Dr. Ashoke Ghosh attended a National conference on “Aerospace & Defence Manufacturing Technologies“ on 17th Aug 2018.
- Dr. Ashoke Ghosh attended an FDP at Frost & Sullivan titled “Emerging Technologies Disrupting the Future of Industries and Jobs”, on 22 June 2018, held at the Frost & Sullivan office in Chennai.
- Mr Karunanithi attended a conference “European Advanced Materials Conference” in August 2018 in Stockholm, Sweden.

4. Details of Publications In National & International Journals & Conferences: (IEEE Format)

List of Publications in international Journals

S.No.	Year	Authors	Details of the publications
1.	2019	Dr. P. N. Kadiresh	Combustion Performance Study of Aqueous Aluminum Oxide Nanofluid Blends in Compression Ignition Engine
2.	2019	Dr. P. N. Kadiresh	Investigations on thermal properties of biodegradable and environment friendly composite materials for insulation in thermal systems.
3.	2019	Dr. P. N. Kadiresh	Solid Propellant fuelled Micro Rocket for Space Application
4.	2019	Dr. P. N. Kadiresh	Thermodynamic Analysis of Diesel Engine Fuelled with Aqueous Nanofluid Blends
5.	2019	Dr. R. Karunanithi	Hardness and dry sliding wear behavior of SiC reinforced Al 7150 alloy composite synthesized under the influence of aging, varying compaction pressures, particle size and volume fraction of ceramic particulates by hot compaction technique
6.	2019	Dr. R. Karunanithi	Influence of aging & varying weight fraction of Al ₂ O ₃ particles on the mechanical behaviour & volumetric wear rate of Al 7075 composite produced by liquid metallurgy route
7.	2019	Dr. R. Karunanithi	Sinterability and electrochemical behavior of Al ₂ O ₃

S.No.	Year	Authors	Details of the publications
			dispersed Al 7150 alloy composite prepared by high energy ball milling
8.	2019	Dr. R. Karunanithi	Effect of milling time on the density, hardness and corrosion behavior of Al 7150 alloy produced by high energy ball milling
9.	2019	Dr. R. Karunanithi	Hardness and dry sliding wear behavior of SiC reinforced Al 7150 alloy composite synthesized under the influence of aging, varying compaction pressures, particle size and volume fraction of ceramic particulates by hot compaction technique.
10.	2018	Dr. P. N. Kadiresh	Combustion performance study of Aqueous Aluminum oxide nanofluid blends in CI Engine
11.	2018	Dr. P. N. Kadiresh	Modeling and analysis of aircraft wing with and without winglet

List of International Conferences

S.No.	Year	Authors	Details of publications
1	2018	Dr. Ashoke Ghosh	“ Envisioning Smart Cities of the Future ” at an International conference on “ Smart Cities with focus on Environmental Challenges ” at ABES Engineering College, Ghaziabad, India.

2	2018	Dr.R. Karunanithi	Synthesis and Characterization of Al7150 alloy Vol.45,2017,pp.4062-4072. https://link.springer.com/article/10.1007/s11661-014-2337-7
3	2018	Dr.R. Karunanithi	Synthesis and characterization of Ti-Ti alloy Materials Science and Engineering B,vol.190,pp133-143 https://www.sciencedirect.com/science/article/pii/S0921510714001573

5. Details of Impact Factor of The Publication H-Index

No. listed in Intl Database	Avg Citation Index	Range of Citation Index	Avg SJR	Range of Impact Factor	Average SNIP	h-index
4	0.845	0.13 - 1.69	0.355	0.116 – 1.260	0.718	1

6. Sponsored Research (Ongoing)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1	PI - Dr.P.N.Kadiresh Co-PI - Sri Nithya Mahottamananda	Aeronautical Research & Development Board, DRDO	Development of Hybrid Rocket Motor	9,79,300	Ongoing

7. Special Research Laboratories Created : Hybrid Rocket Lab (DRDO Sponsored Facility)

8. Major Equipment Purchased :

- Fuel System for Aircraft Systems lab
- Brake torque & Brake bleed system





9. Patents (Obtained / Applied) :

- Design and fabrication of Split Die with sintering mechanism by Dr. R. Karunanidhi – Applied in July 2018.

10. Achievements of Students :

- Mr. Syed Rayan of First year B. Tech Aeronautical Engineering was part of a multidisciplinary team that designed, built, and launched a satellite named CrescentSAT on 28th Feb 2019.
- Final Year Students Abdul Rahim. K and Harichandana V got campus placement offers and joined “SF Plastics Pvt. Ltd”, Chennai, in Nov 2019.
- Five students are RANK holders in GATE 2018 examinations

S.No	Name	GATE 2018 (All India Ranking)
1	 Mr. RAAHUL. V.S	21

2	 Mr. BALAJI. V	226
3	 Mr. ARUN D NAYAK	344
4	 Mr. MIR ZUHAIR ALI. A	576
5	 Ms. Karpagam S	653

11. Developmental Activities:

Sl. no	Title	Name of the Faculty	Details of the development
1.	Design and fabrication of split die with sintering mechanism	Dr R Karunanithi	Applied for patent in April 2018
2.	Hybrid Rocket Lab	Dr. P.N. Kadiresh & Mr. Nithya Mahottamananda	Gaseous oxygen feed line, hybrid rocket motor, 50 kg capacity thrust stand.

12. Industry / Institute Collaboration/ Industrial visits:

- (a) Madras Flying Club commenced classes for Flight Dispatcher and Student Pilot License program.
- (b) Collaboration with ARK Solutions Pvt. Ltd., Chennai, for the design of UAV and MAV
- (c) MoU with Madras Flying Club for several activities.
- (d) Industrial visit to a Defense Establishment: INS Rajali, Naval Station, Arakonam.

13. Society Activities

:

- ✓ Second year Students (2017 batch) have registered for AERO Design Challenge by SAE 2019.
- ✓ New membership cards for Aeronautical Society on India were obtained and distributed to students.

14. MoUs Signed :

- (a) MoU Signed with ARK Solutions Pvt. Ltd, New Delhi in 9th April 2018
- (b) MoU with Madras Flying Club for several programs

15. Important Visitors :

- Mr. Premanand Sethurajan, CEO of LMES academy, Chennai, visited the department on 28th Feb 2019 and interacted with students on how to make engineering simple.
- President of AIDAT – Aerospace Industry Development Association of Tamil Nadu, “Mr. N. Sekar” Former Scientist from BOEING USA visited on 25th Oct 2018.
- Mr. Karthik Sundarraj – Manager MAV design from ARK Solutions Pvt. Ltd, Bangalore.

Department of Automobile Engineering

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Automotive Embedded Systems	April – May 2019	8 hrs	Jasmin Infotech	1. Alvin Cyrus C 2. Haja Maideen J 3. Mohamed Fazlur Rahman R 4. Mohamed Sameem S. 5. Raghul L. 6. Saurav Rajeevan 7. Sree Ahobilan G. 8. S. Dhinesh Raju	-	-

2. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				

1.	B.Tech. Automobile	II	-	29	Dr. M.Subramanian	Ashok Leyland	Duration – 1 day	Exposure to Automobile manufacturing process
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3. Seminars Organized

S. No	Name of the programme	Type of Program me	Duration From - To	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Emerging Trends in Automotive Brakes	Seminar	1 day (27.3.19)	-	Mr. N. Kannan Manager(Service) Brakes India Private Limited Padi, chennai Mr. K.N Balaji Independent Automotive Consultant and Advisor Dr. K. Arunachalam Associate professor,	10	130	Nil	Nil

					Department of Automobile Engineering, MIT,Chennai				
2.	Emerging Trends in Automotive Technology	Seminar	1 day (19.9.18)	-	Prof. A.Ramesh. Professor, IIT Madras Dr. N.Kulasekaran Assistant General Manager, Fiat Chrysler India Pvt. Ltd. Mr.H.Ramasubramanian, Vice President, R & D Brakes India Pvt. Ltd., Chennai.	10	120	4	Nil

4. Conferences / FDP / Seminars / Workshops Attended

S.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	Dr. A.S. Selvakumar	One day workshop on Qualitative Writing of	Workshop	4.1.19	Centre for Energy studies and Dean	-

		sponsored project proposal			(Research), BSACIST	
		Workshop on Multiple intelligence for Teaching	Workshop	15.9.18	BSACIST in association with syllabus plus	-
		Revised Accreditation frame work of NAAC Accreditation	Workshop	10.7.18	Office of the Director (ARIA)	-
		Workshop on Writing Quality Research Articles, Project proposal and Patents	Workshop	20.8.18-22.8.18	Office of the Dean (Academic office)	-
		Workshop on Thermal Spray Coating and Applications	Workshop	18.7.18	IIT Madras and Nagaoka University of Technology, Japan	-
		Seminar- Application of Ceramic & Poymer in 3D Printing	Seminar	16.3.19	A.C. Tech campus, Department of Ceramic Technology , Anna University	-

		Seminar- E- Learning and MOOC in Higher Education	Seminar	9.3.19	Organized by MHRD at BSACIST	-
		Academic Leadership	Training Program	1.4.19 to 6.4.19	Organized by MHRD at BSACIST	-
2	Dr.T.R.Tamilarasan	Seminar- E- Learning and MOOC in Higher Education	Seminar	9.3.19	Organized by MHRD at BSACIST	
		Academic Leadership	Training Program	1.4.19 to 6.4.19	Organized by MHRD at BSACIST	
		Revised Accreditation frame work of NAAC Accreditation	Workshop	10.7.18	Office of the Director (ARIA)	
		Workshop on Writing Quality Research Articles, Project proposal and Patents	Workshop	20.8.18- 22.8.18	Office of the Dean (Academic Research)	
3	Mr. N. Rajmohan	Workshop on " CAD/CAE (Creo & hyper mesh),	workshop	6.5.19 & 7.5.19	Organized by BSACIST	
		Workshop on "Multi Intelligence in Teaching"	workshop	15.9.2019	BSACIST in association with	

					syllabus plus	
4	Mr. N. Kamesh	Workshop on " CAD/CAE (Creo & hyper mesh),	workshop	6.5.19 & 7.5.19	Organized by BSACIST	
		Workshop on "Multi Intelligence in Teaching"	workshop	15.9.2019	BSACIST in association with syllabus plus	

5. Papers Published/ Presented In Journals & Conferences(Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
			7			9		16

6. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- **International Journal & National Journal**

- **SCI/Scopus Indexed Journal :**

1. Sathickbasha.K., **Selvakumar. A.S.**, Balaji. M.A.S., and Balachandran .S.R., "The dual role of metal sulfides as lubricant and abrasive: An interface study in friction composite", Journal of Materials Research Express, Jan'2019.

2. Arulmurugan, Prabu, Rajamurugan and **Selvakumar. A.S.**, “Impact of BaSo4 filler on woven Aloe vera/Hemp hybrid composite: Dynamic mechanical analysis”, Journal of Material Research Express, Jan’2019.
3. **Dineshkumar C., Subramanian M., Deepan V.**, “Health monitoring system for Automobile vehicles to enhance safety”, International journal of Vehicle structure and systems, Vol. 10, Issue 6, Jan’2019.
4. **Tamilarasan T.R.**, Sanjith U., Rajendran R., Rajagopal G., Sudagar J. “Effect of Reduced Graphene Oxide reinforcement on the Wear Characteristics of Electroless Ni-P Coatings”, Journal of Material Engineering & Performance, pp. 1-10, 2018.
5. **Dineshkumar C. Subramanian M.**, “Experimental investigation of onboard driver condition monitoring system for passenger vehicles”, International Journal of Mechanical Engineering and Technology, Vol. 9, Issue 6, pp. 01-09, 2018.
6. **Dineshkumar C.**, Jenoris muthiya S., “Pollution control in gasoline engine using metal catalytic converter”, International journal of pure and applied mathematics, Volume 119 No. 7, pp. 1235-1242, 2018.
7. **Dineshkumar C.**, “Automatic Sensing and Tracking Technology by Using Global Positioning System”, International Journal of Management Technology and Engineering, Vol. 8, Issue XII, Dec’2018.
8. **Dineshkumar C.**, “Clustering of Storing Sensitive Data by Using Cloud System Technology”, International Journal of Engineering Research, Management & Technology, Volu.5, Issue 5, Sep’2018.
9. **Arvinda Pandian C.K.**, and H. Siddhi Jailani, “Investigation of Viscoelastic Attributes and Vibrational Characteristics of Natural fabrics-incorporated Hybrid Laminate Beams”, Polymer Bulletin, Vol. 75(5), pp. 1997-2014, 2018.

- **International Conference& National Conference**

- **Other Conferences :**

1. Suryarajan.B., Sai balaji., Rasool Mohideen.S., Prince Arockiadoss and **Selvakumar.A.S.**, “Tribo Performance of single and multi-wall carbon nanotube in the disc pad formulation”, Euro brake 2019 conference , Dresden Germany, May 2019.
2. **Selvakumar.A.S.**, Surya Rajan. B., Sai Balaji. M.A., and Selvaraj. B, “Strain Analysis of AA6063 Aluminum Alloy by Tube Hydro forming process”, Advances in Manufacturing Process, Lecture Notes in Mechanical Engineering (Springer), Singapore, 2019.
3. Sathickbasha. K., **Selvakumar. A.S.**, Sai Balaji. M.A., Surya Rajan .B. and Javeed Ahamed. M, Advances in Materials and Metallurgy. Lecture Notes in Mechanical Engineering (Springer), Singapore, 2019.
4. **Dineshkumar C.**, “Onboard Driver Monitoring System with Safety Enhanced Brake System” International Conference on Trends in Information Management Engineering and Sciences, Dec’2018.
5. **Dineshkumar C.**, “Automatic Sensing and Tracking Technology by Using Global Positioning System”, 4thInternational Conference on Research Trends in Engineering, Applied Science and Management, Dec’2018.
6. **Arvinda Pandian C.K.**, “Development of Natural Fibres Reinforced Polymer Hybrid Composites”, International Conference on Automobile, Marine and Mechanical Engineering, Chennai, 2018.
7. **Deepan V.**, “Design and Analysis of New Combined Braking System for Two Wheeler”, ICAIEA, Anna University, Chennai, Jan’2018.

7. Details of Impact Factor Of The Publication and H-Index

A) Range : 0.2 – 1.85 B) Average : 0.98 C) H-Index : 2 D) No. In Scopus : 7

8. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)			Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	
Nil							

9. 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	Pin on disc wear testing facility	4.7.2018 & 23.10.2018	4.7.2018 & 23.10.2018	29,000/-	Dr. T.R.Tamilarasan	Completed

Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Demonstration, working model of wiper circuit	India	28.5.2019	38,850/-	yes	
2	ACC Control Circuit	India	28.5.2019	1,16,550/-	yes	

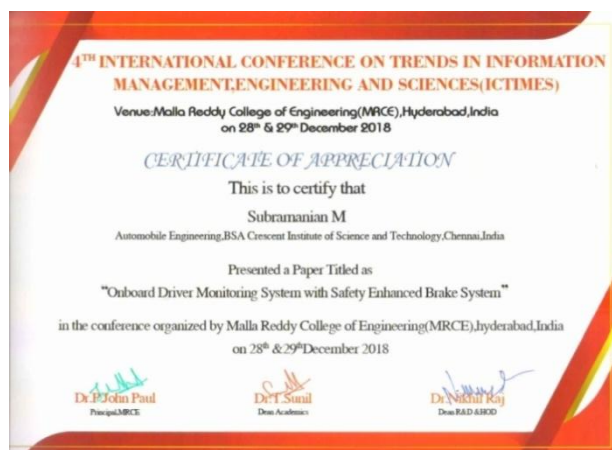
3	Auto Electrical Test bench	India	28.5.2019	1,35,975/-	yes	
4	Air Bag Simulator	India	28.5.2019	1,37,918/-	yes	

10. Patents

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1	Dineshkumar C "Design and Development of Seat Belt Integrated Ignition Switch." Application no. 201941004817	Filed	-	-	-
2	Dineshkumar C "Design and Development of Automatic Receding of Power-windows during an Emergency Situation." Application no. 201941004684	Filed	-	-	-
3	C. K. Arvinda Pandian "Interior Door Skin Materials for Four Wheeler" Application No. 201941020382	Filed	-	-	-
4	V.Deepan, "Collision Mitigation System with Forward Collision Warning for Two Wheelers" (Scooter And Motorcycle)" Application No.201841037483	Filed	-	-	-

11. Achievements of Staff

S.No	Name of the Faculty	Type of recognition / Award	Details of Awarding organization	Month & Year
1	Dr. M. Subramanian	Dr. APJ Abdul Kalam Life Time Achievement National Award	International Institute for Social and Economic Reforms, Bengaluru	26 th January, 2019
2	Dr.T.R.Tamilarasan	Reviewer Recognition Award	Elsevier, Surface and coatings Technology, Netherlands	September 2018
3	Dr.T.R.Tamilarasan	Leadership Award	SAE India southern section	24 th June 2019



1

Dr. M. Subramanian,
Dr. APJ Abdul Kalam Life Time Achievement National Award

2



Dr.T.R.Tamaralarasan,
Reviewer Recognition Award

3



Dr.T.R.Tamaralarasan,
Leadership Award

12. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Alvin Cyrus	160121601004	SAEISS Tractor Design Competition	SAE India	June 2018

13. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Electric vehicles, including solar-powered and connected vehicles	2-3 yrs	Dr. Ashoke Ghosh & Mr. S.M. Sheik Mujahith Ahamed	To provide a practical platform for students to understand and build electric, solar-powered, connected and driverless Vehicles	First Phase

14. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Hyundai Motors India Ltd, Chennai	-	May 2019	-	-	The company has donated one latest "Verna Sedan"

					vehicle for education purpose
2	Ford Motors India Ltd, Chennai	-	June 2019	-	The company has donated one latest "Eco Sport" vehicle for education purpose

15. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	Crescent Society of Automobile Engineers	National Level Technical Symposium "SHARYO"	9	Internal - 130 External - 40		Mr. A.R. Arvind, Asst. General Manager, Project Planning, Ashok Leyland, Chennai	Skill development	-

16. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Mr. N. Kannan Manager(Service)	Brakes India Pvt. Ltd., Chennai.	Seminar - Visited all the Lab facilities	Collaboration in student's projects
2	Mr. H. Ramasubramanian, Vice President, R & D	Brakes India Pvt. Ltd., Chennai.	Seminar - Visited all the Lab facilities	Appreciated and Suggested some points for improvement

Department of Polymer Engineering

1. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Rubber Science and Technology	25.04.2019-10.05.2019	15	Bridgestone India Automotive Products Private Limited, Chennai (Generated fund of Rs73000/-)	-	-	Employees of Bridgestone India Automotive Products Private Limited, Chennai

2. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	B.Tech Polymer Engineering	IV & VI	-	36	<ul style="list-style-type: none"> ➤ Dr Shamshath Begum ➤ Mrs Sindhu K P 	Polyhose, Sriperumbdur, Chennai	04.02.2019	Students were exposed to firsthand experience in the manufacturing of

								various types of industrial hoses made from Plastic Materials and their Testing.
2	B.Tech Polymer Engineering	II, IV, VI & VIII	-	58	<ul style="list-style-type: none"> ➤ Dr Shamshath Begum ➤ Mrs Sindhu K P ➤ Mrs Daulath Banu ➤ Mr. D.Murali Manohar 	Nilkamal Ltd, Pondichery	09.04.2019	Students were exposed to firsthand experience in the manufacturing of various types plastic furniture and their testing.



Figure 1 Students at Nilkamal Ltd, Pondichery for industrial visit



Figure 2 Students at Polyhose, Sriperumbdur, Chennai for industrial visit

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

- 1. Professional society activities: Rs 20,000/-

4. Conferences / FDP / Seminars / Workshops Attended

S. 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.	Mr B K Behera	1. Academic leadership	1 week Training	1 ST -7 th April 2019	B. S. Abdur Rahman Crescent Institute of Science and Technology	NIL
		2. National seminar on e-learning and MOOC in higher education	One Day Seminar	09, March 2019	FTA, BSACIST, Chennai	NIL
2.	Mrs Shahitha Parveen	1. Workshop on "Writing Quality Research Articles, Project Proposals and Patents"	3 days workshop	20th to 22nd July 2018	Office of Dean(Research) at B. S. Abdur Rahman Crescent Institute of Science and Technology	NIL
		2 Workshop on "Multiple Intelligence"	1 day workshop	15 th September 2018.	Department of Mechanical Engineering at B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		3. International Seminar on "Sustainable Environment"	2 days International Seminar	10 th – 11 th December 2018	Department of Chemistry at B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL

		4.“Soft Skills Training for Teaching Staff”	1 week FDP	19.03.2019 - 25.03.2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		5. Usage of raspberry pi in machine learning environment	FDP	03.04.2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		6. CAD/CAE Creo 5.0 Hyperworks	2 days workshop	6.5.2019- 7.5.2019	Department of Mechanical Engineering at B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		7. 3 rd International Conference on Recent Trends in Material Chemistry 2019	International conference	13.02.2019 to 15.02.2019	Department of Chemistry at SRM Institute of Science and Technology , Chennai	NIL
		8. International Conference on Contemporary Engineering and Technology - 2019	International conference	09 th - 10 th March 2019	Organization of Science and Innovative Engineering and Technology, Chennai & Prince Shri	NIL

					Venkateshwara Padmavathy Engineering College, Chennai	
3	Dr Shamshath Begum S	1.“Soft Skills Training for Teaching Staff”	1 week FDP	19.03.2019 - 25.03.2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		2. National seminar on e- learning and MOOC in higher education	One Day Seminar	09 th March 2019	FTA, BSACIST, Chennai	NIL
		3.Sceintific documentation and presentation using LATEX	Workshop	8.3.2019	B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		4. “Multiple Intelligence”	1 day Workshop	15 th September 2018.	B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		5. International Seminar on “Sustainable Environment”	2 days International Seminar	10 th – 11 th December 2018	Department of Chemistry at B. S. Abdur Rahman Crescent Institute of	NIL

					Science and Technology , Chennai	
		6.Advancements in Polymeric Materials	International Conference	January 22- 24, 2019	CIPET, Chennai	NIL
		7.Workshop on “Writing Quality Research Articles, Project Proposals and Patents	3 days workshop	20th to 22nd July 2018	B. S. Abdur Rahman Crescent Institute of Science and Technology	NIL
4	Mr D Murali Manohar	1.“Soft Skills Training for Teaching Staff”	1 week FDP	19.03.2019 - 25.03.2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		2. National seminar on e- learning and MOOC in higher education	One Day Seminar	09 th March 2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
5	Mrs Sindhu K P	1.“Soft Skills Training for Teaching Staff”	1 week FDP	19.03.2019 - 25.03.2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		2. National seminar on e-	One Day	09 th March	FTA, B. S. Abdur Rahman	NIL

		learning and MOOC in higher education	Seminar	2019	Crescent Institute of Science and Technology , Chennai	
6	Mrs Daulath Banu	1.“Soft Skills Training for Teaching Staff”	1 week FDP	19.03.2019 - 25.03.2019	FTA, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		2. CAD/CAE Creo 5.0 Hyperworks	2 days workshop	6.5.2019- 7.5.2019	Department of Mechanical Engineering, B. S. Abdur Rahman Crescent Institute of Science and Technology , Chennai	NIL
		3. International Conference on Contemporary Engineering and Technology - 2019	international conference	09 th - 10 th March 2019	Organization of Science and Innovative Engineering and Technology, Chennai & Prince Shri Venkateshwara Padmavathy Engineering College, Chennai	NIL

5. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	1	2	-	-	-	-	3

6. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- **International Journal& National Journal : NIL**
- **International Conference & National Conference**
 - **Conference with ISBN Proceedings :**
 1. R.Daulath Banu, J Shahitha Parveen, Dr.S S M Abdul Majeed, Presented paper on “Development and Charecterization of Thermally Stable Fire Retardant Epoxy Nanocomposites”, in the international conference on Contemporary Engineering and Technology - 2019 from 09th -10th March 2019 held at Prince ShriVenkateshwara Padmavathy Engineering College, Chennai. pp – 168, ISBN 978-93-81288-18-4
 - **Other Conferences :**
 1. Sriram Srinivasan and S.Shamshath Begum, “A Study on the effect of Clay Mineral in Commodity Thermoplastic”, 10th International Conference on Advancements in Polymeric Materials (APM-2019), (January 22-24), CIPET, Chennai, 2019, pp.108.

2. J Shahitha Parveen, “ Development and characterization of high performance polyethylene oxide based electrospun polyelectrolytes for lithium ion battery.”, 3rd International Conference on recent Advances in material chemistry (ICRAMC- 2019), SRM institute of science and technology, 13-15 February 2019, pp 71.

7. Details of Impact Factor Of The Publication and H-Index

A) Range : B) Average : C) H-Index : 12 D) No. In Scopus :

8. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1.	Dr.R.Vasanthakumari & R.Daulath Banu	DRDO	Development of Oil Absorbing Polymer Product for Efficient Removal of Oil Spills in Sea Water.	Rs 20.04 lakhs	Rs 30000	Rs 20000	Rs 10,000	Ongoing

9. 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.	➤ Training to Industry Employees of Bridgestone India Automotive Products Private Limited, Chennai	-	Training was provided at Industry during 25 th April 2019 – 10 th May 2019	Rs.73,000/- (Yet to be received)	Mr.Basanta Kumar Behera Mr Murali Manohar Mrs Sindhu K P	Completed
2.	➤ Testing of Samples during the whole year	-	-	Rs.1,54,400/- (Revenue generation through Testing)	Mr.Mukundan Mr.D.Muralimanohar Mr.Basanta Kumar Behera & Mr.G.John(Lab Technician)	Completed

10. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1.	DIN Abrasion Tester	Infinite excellence LLP & India	20.12.2018	Rs 70,000	Yes	
2.	Arc resistance tester	SEV Electrical instruments Pvt Ltd & India	09.04.2019	Rs 2,02,200	Yes	

11. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Sriram Srinivasan	170131601009	Presented paper entitled "A Study on the effect of Clay Mineral in Commodity Thermoplastic", in 10th International Conference on Advancements in Polymeric Materials (APM-2019)	CIPET, Chennai	January 22-24, 2019
2.	Abbas S V	170131601001	Awarded NPTEL online	IIT Madras	Jan- April 2019

			certificate for successfully completing the course "introduction to material science and engineering"		
3.	PVSN Jayalakshmi	150131601009	Secured third place in the 6 th federation cup ball badminton championship for women as a player.	Ball badminton federation of India	October 2018

12. Developmental Activities

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1.	Guest lecture by Mr S Ali Asger, Director, Polyhose India Pvt Ltd, Chennai	3 hours , 27.03.2019	All the students of 1 st , 2 nd and 3 rd year B.Tech Polymer Engineering	To equip the students with the knowledge of latest advancements in the field of Polymer Products Manufacturing.	The students gained the knowledge in the advancement of Polymer Product Manufacturing
2.	In Plant Training at Motherson Automotive Technologies and	10 days	M Naveen Raj, 3 rd yr, B.Tech Polymer Engineering	To gain practical knowledge in industry and to assess the	Gained knowledge in practical aspects

	Engineering, Sriperumbathur, Chennai			real situation	
3.	In plant training at Formulated Polymer Limited, Chennai	10 days	Mr. Abbas S V (RRN:170131601001) Mr. Kevin Adams Ebenezer (RRN 170131601005)	To gain practical knowledge in industry and to assess the real situation	Gained knowledge in practical aspects
4.	In plant training at Polyhose India Pvt Ltd (Plastic Division)	2 weeks	Mr. K Aprajith (RRN 170131601002), Mr. D Karthik (RRN 170131601004) Mr. S H Suhailuddin (RRN 170131601011) Mr. Abhishek Sharma – (RRN 170131602001)	To gain practical knowledge in industry and to assess the real situation	Gained knowledge in practical aspects



Figure 3 Guest lecture by Mr S Ali Asger, Director, Polyhose India Pvt Ltd, Chennai

13. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	Bridgestone India Automotive Products Private Limited	Training to employees	May 2019		Completed	Generated Fund through Training Programme
2.	Motherson Automotive Technologies and	In Plant Training	June 2019		Completed	Department connected with Industry and the students

	Engineering, Sriperumbathur				gained knowledge through Inplant Training
3.	Formulated Polymer Limited, Chennai	In plant training	June 2019	Completed	Department connected with Industry and the students gained knowledge through Inplant Training
4.	Polyhose India Pvt Ltd (Plastic Division)	In plant training	June 2019	Completed	Department connected with Industry and the students gained knowledge through Inplant Training



Figure 4 students undergoing in plant training at Polyhose India Pvt Ltd (Plastic Division)

14. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1.	Society of Polymer Technologists	Technical Symposium MACRON 2019 on 26th March 2019	-	Students from CIPET Chennai, Kamaraj Engineering College- Virudhunagar, Madurai etc participated in the Technical symposium No. of Students Participated - 50	-	Mr. V. Sundar Head – Technology & Innovation J.K Fenner (India) Limited, Chennai was the chief guest for the function.	Department was exposed to other Institutes and few students joined 2 nd year through Lateral Entry	–



15. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Mr. V.Sekar	Managing director, Formulated Polymers, India	External member - Board of studies	Internship and Industrial Visits for Students
2.	Mr. S Arul Selvan	Delivery Manager at L&T Technology Services Limited	External member - Board of studies	Internship and Industrial Visits for Students
3.	Mr. S Ali Asger	Director, Polyhose India Pvt Ltd, Chennai	Rendering guest lecture	Internship and Industrial Visits for Students

16. Any Other Information

➤ **The following students were placed in the academic year 2018-19.**

1. Mr.Azeez Taher - Bhansali Engineering Polymers Limited
2. Mr. Jaffersathick J - Nature Tech India Pvt Ltd
3. Mr. Thaseen Ahamed - HCL Technologies

➤ **The following students have taken up higher studies**

1. Mr. R Gopinath - Kaunas University of Technology – MS in Industrial Engineering and Management
2. Mr.A.Akil - Kaunas University of Technology - MS in Industrial Engineering and Management

SCHOOL OF LIFE SCIENCES

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Food technology	Jan- June2019		Hi Rise Food Tech	100	3	
2	Computational Biology	Jan- June2019		Dr. Mukesh Doble, IIT, Madras	100	3	
3	Communication Skill Development	Jan- June2019		Ms. Brindha	60	1	

2. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Plant tissue culture based Faculty development program	24 & 25 th January 2019	2 days	-	10	10	-
2	SOP based Faculty development program	18-28 th December	7 days	-	-	15	-

		2018					
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3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	Analytical Training	2,4,6 th semester	A, B, C	170	Dr. Faridha	Bioresearch foundation, Sengaddu, Chennai	26 th & 27 th September 2018.	Analytical instruments and its application
2	Milk Society	4 th semester	A	30	Dr. Ashok	PONLAIT Milk Co-operative society Ltd. PONDICHERRY	27.10.2018	Industrial Biotechnology
3	Eppendorf Excites	4 th semester	A & B	120	Dr. Karthikeyan Dr. Khursid Ms. Ranjani S	Eppendorf India pvt limited	9 th Jan 2019	To explore Horizons of Biology

4	Hi Rise Food Technology	4 th semester	A	30	Dr. Ramya Dr. Ashok	Hi Rise Food Technology	06.02.19	Food biotechnology
5	Workshop on Chromatography- HPTLC	3 rd Sem M.Sc Biotech, Microbiology, Biochemistry & Molecular Biology	A	20	Dr.M.K. Sangeetha Dr. Fareedha	Anchrom India Pvt Ltd	24 th July 2019	Hands on training. Student Interns, Initiated MOU

4. Conferences / FDP / Seminars / Workshops Organized

International Conference

S. 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	International conference on Emerging Areas	International conference	September 11-12, 2018	Sponsored by TNSCST	Dr. Thajuddin Dr. Sankar	20	400	40	750

	in Biotechnology for Human Welfare and Bioentrepreneurs hip (ICEBHE-2018)				Dr. Vivekanadan Dr. Patra Dr. Pooja Dr. Balaji Dr. Subramaniam				
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International & National Level seminars

S. No	Details of the programme	Duration Days / Hrs.	Details of Collaborating Agency & Resource Person	Details of Participants			Outcome
				Students	Faculty	Others	
1	Orientation Talk to I B.tech biotech students on July 11 2019, USA	1 day	Dr. Govind University of Massachusetts USA	50	14	2	Scope of Biotechnology
2	Seminar on Stem Cell Therapy, March, 22, 2019	1 day	Dr. Rajesh Ramaswamy, University of Putra,	200	10	0	Recent advancement in Stem Cell Therapies

			Malaysia				
3	Seminar on Computational Biology, February, 2, 2019	1 day	Dr. Senthil Mizoram, University	140	7	2	Interactive talk on Study of Human genomics through computational biology
4	Seminar on “Emerging Research Trends on Prebiotics and Probiotics Towards Synbiotics Relationships” on November 2, 2018	1 day	Dr. Ramachandran Chelliah, Kangwoon National University, Republic of Korea	140	16	2	Research on Prebiotics and Probiotics
5	Seminar on Career opportunities in Life Sciences on August 29 2018.	1 day	Dr. G. G. Hammad A. Shadab, Aligarh Muslim University,	60	5	2	Career opportunities in Life Sciences
6	Special seminar was organized in association with Australian consulate Chennai on Recent advances in biotechnology on April, 6, 2018	1 day	Dr. Susan Cossetto, Australian National University	70	5	2	Interactive session on scope of Biotechnology in abroad universities

Workshops Organized:

S. No	Details of the programme	Duration Days / Hrs.	Details of Collaborating Agency & Resource Person	Details of Participants			Outcome
				Students	Faculty	Others	
1	ONE DAY SCHOOL WORKSHOP ON "BIOINFORMATICS" 2nd July 2019	1 day	Dr. Sangeetha Dr. Farida Ms. Ranjani	40	2	2	Hands on training to participants
2	Workshop On Computational Biology 17-19th JUNE 2019	3 days	Bionivem company Ms. Priya	5	3	2	Hands on training to participants
3	Two days workshop on Clinical Flow cytometry (Multicolour) 11-12th April 2019	2 days	BD Technical Support Team	23	3	2	Hands on training to participants
4	Workshop on "Molecular Biology Techniques "11 & 12th February 2019	2 days	Dr. Faridha Ms. Ranjani	10	2	2	Hands on training to participants
5	TWO DAYS	2 days	Dr. Faridha	13	2	1	Hands on

	WORKSHOP ON "Plant Tissue culture" 24 & 25th January 2019		Ms. Ranjani				training to participants
6	TWO DAYS WORKSHOP ON "Animal Tissue culture " 26 & 27TH December 2018	2 days	Dr. Sangeetha	3	2	1	Hands on training to participants
7	Five Days Workshop on Recombinant Protein expression and Purification,17 – 21st Dec 2018	5 days	ProJac Biosciences, Dr. Neesar Ahmed	12	2	2	Hands on training to participants
8	Three Day Computational Workshop on Cancer Interactome Analysis & Drug Design 1st – 3rd Nov 2018	3 days	Dr. Shahul Hameed	10	2	2	Hands on training to participants
9	Workshop on “Analysis of Phytocompounds by HPLC” was organized on	1 day	Mr.P.Karthick Venkatesh Application	8	4	2	Hands on training to participants

	October 29, 2018 in association with Spinco Biotech Pvt Ltd, Chennai		Specialist Spinco Biotech Pvt Ltd				
10	Two Day Computational Workshop on“R programming for NGS Data Analysis”25th - 26th Oct 2018	2 days	Dr. Shahul Hameed	10	1	-	Hands on training to participants
11	Workshop on ELISA – Biomarker quantification was organized on 25 th September, 2018	1 day	Dr. Sangeetha	2	2	2	Hands on training to participants

5. 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	International conference on	2 days September 11-	TNSCST (Govt. of India)	Selected papers were

Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	12, 2018		published in Journal of Biocatalysis and Agricultural Biotechnology
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6. Conferences / FDP / Seminars / Workshops Attended

S. 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	Dr. S. Hemalatha	Higher Education Technology Conference, Chennai	Leadership program	18, July, 2019	Higher education Technology	-
2	Dr. S. Hemalatha (Chair person)	on Emerging perspectives on Bioengineering and Biomedical Informatics with Special relevance to	International Conference	March 25-27, 2019	TNSCST & Sathyabama University, Chennai.	

		Ethnomedicine in Human Health" (ICBBI 2019)				
3	Dr. Faridha (Presented paper)	International Conference on Emerging perspectives on Bioengineering and Biomedical Informatics with Special relevance to Ethnomedicine in Human Health" (ICBBI 2019)	International Conference	March 25-27, 2019,	TNSCST & Sathyabama University, Chennai.	Registration fee
4	Ranjani.S (Presented paper)	International Conference on Emerging perspectives on Bioengineering and Biomedical Informatics with Special relevance to Ethnomedicine in Human Health" (ICBBI 2019)	International Conference	March 25-27, 2019,	TNSCST & Sathyabama University, Chennai.	Registration fee

5	Ranjani.S (Presented paper)	National Conference on Recent Trends in Microbiome Research: Exploring the Microbial Diversity”	National Conference	March 20-21, 2019	Pondicherry university,	Registration fee
6	Dr. Faridha (Presented paper)	National Conference on Recent Trends in Microbiome Research: Exploring the Microbial Diversity”	National Conference	March 20-21, 2019	Pondicherry university,	Registration fee
7	Dr. Mubarak Ali (Chair Person)	National Conference on Recent Trends in Microbiome Research: Exploring the Microbial Diversity”	National Conference	March 20-21, 2019	Pondicherry university,	-
8	Dr. S. Hemalatha (Invited talk)	National Conference on Recent Trends in Microbiome Research: Exploring the Microbial Diversity”	National Conference	March 20-21, 2019	Pondicherry university,	-
9	Dr. S. Hemalatha	The clinical trial	National Seminar	5th, March,	DBT sponsored	-

	(Invited talk)	Roadmap, one day seminar on clinical research and pharmacovigilance”		2019	seminarGurunanak College, Chennai	
10	Ranjani.S (Presented paper)	UGC sponsored National conference on Innovations and new horizons in microbial technology”	National conference	on 6-7 March, 2019,	Sri Padmavathi Mahila Visvavidyalayam university, Tirupathi	Registration fee
11	Dr. Faridha (Presented paper)	UGC sponsored National conference on Innovations and new horizons in microbial technology”	National conference	on 6-7 March, 2019,	Sri Padmavathi Mahila Visvavidyalayam university, Tirupathi	Registration fee
12	Dr. S. Hemalatha (Invited talk and chairperson)	UGC sponsored National conference on Innovations and new horizons in microbial technology”	National conference	on 6-7 March, 2019,	Sri Padmavathi Mahila Visvavidyalayam university, Tirupathi	-
13	Dr. S. Hemalatha (Invited talk and	International conference on Expanding horizons	International conference	21 st & 22 nd feb 2019	Holycross college, Trichy	-

	chairperson)	in health, Disease and pharmaceuticals				
14	Dr. M. K. Sangeetha	Incubation centre Manager workshop	Workshop	1 st March 2019	IIT Madras	Registration fee
15	Dr. Mubarak Ali	Conservation & Management of Forest resources	Workshop	13-15 th feb 2019	UAS, GVKV, Bangalore	-
16	Dr. S. Hemalatha	Health SIG program on affordable healthcare	Meet	17, February, 2018	TIE, Chennai at IIT research park	-
17	Dr. S. Hemalatha (Invited Speaker)	International Symposium on, "Applications and Developments in Applied Sciences Research".	conference	7 th to 8 th Jan 2019	Holycross college, Trichy	-
18	Dr. Mubarak Ali (Young scientist award and talk)	International Symposium on, "Applications and Developments in Applied Sciences Research".	International conference	7 th to 8 th Jan 2019	Holycross college ,Trichy	-
19	Dr. Faraz Ahmed	AAIC satellite symposia	AAIC satellite symposia	18 th & 19 th December	AAIC satellite symposia	-

				2018		
20	Dr. Ashok kumar	CRISPR-CAS Workshop	Workshop	13 th & 14 th December 2018	JSS college of pharmacy, Ooty	-
21	Dr. Vimal Kumar (Invited talk)	Invited Talk in Centre for BioSystems Science and Engineering	Seminar	7th December 2018	Centre for BioSystems Science and Engineering, Indian Institute of Science (Bangalore)	--
22	Dr. Mubarak Ali	Talk on Nanomaterials: Synthesis, Characterization and Application	Seminar	16 th October 2018	Women's Christian College (Autonomous), Chennai, Tamil Nadu, India	-
23	Dr. Mubarak Ali gave a talk on "" held on 24.08.2018 at	Talk on Nanobiotechnology: avenue for noble research and opportunities	Invited talk	October 2018	Vivekananadha College of Arts and Sciences for Women (Autonomous), Tiruchengode, Tamil Nadu, India	-

24	Dr. Mubarak Ali	Presentation	International conference	4 th & 5 th October 2018	India International science festival 2018 Ministry of science & Technology	-
25	Dr. Karthikeyan	Attend Seminar	National symposium	20 th August 2018	Sathyabama Institute of science & Technology & SERB	-
26	Dr. Faraz Ahmed	Invited Talk	Seminar	16 th August 2018	Jamia Hamdard	-
27	Dr. Sudarkodi	Invited Talk	Workshop	16 th july 2018	Bioincubator & Lab Vel Tech Incubator, Avadi	-
28	Dr. Shahul Hameed	Invited Lecture	Conference	15-16 th july2018	Vignan University, Guntoor	-
29	Dr. Shahul Hameed	Invited Lecture	Conference	13 th -14 th july – 14- 2018	Chalapathi institute of pharmaceutical sciences	-

7. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
	-		-	-	-	48	-	

8. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

• **International Journal**

• **SCI/Scopus Indexed Journal :**

1. Shariq. A.M, Ranjani.S. Tahira. A. M.Waseem, J.Khan, M. Kashif and **S. Hemalatha** Biogenic AgNps synthesized via endophytic bacteria and its biological applications Environmental Science and Pollution Research , 2019 (In Press) (Impact factor 2.91) (Scopus indexed) (Cite score 2.9) (Scopus indexed)
2. P. Shanmugasundaram, Kumar Sah Saroj, Rasool Ubaid, S. Mahasampath Gowri, D. Easwaramoorthy, S. **Hemalatha** Novel curcumin analogs act as antagonists to control nosocomial infection causing Pseudomonas aeruginosa Biocatalysis and Agricultural Biotechnology 2019 9In press) PII: S1878-8181(19)30724-8 DOI: <https://doi.org/10.1016/j.bcab.2019>.

3. B. Rohini, A.Tahira. M.Waseem, J.Khan, M. Kashif and **S. Hemalatha**. AgNPs from *Nigella sativa* control breast cancer: An In vitro study. *Journal of Environmental Pathology, Toxicology and Oncology*, 2019 (In press) (Impact factor 1.24) (Scopus indexed)
4. Mohd Umar, Naheetha Fathima, M.S. Haji Sheik Mohammed, **S. Hemalatha**, Modified cement composites for protection against microbial induced concrete corrosion of marine structures, *Biocatalysis and Agricultural Biotechnology*, Volume 20, 2019,101192,ISSN 1878-8181, (Cite score 2.9) (Scopus indexed)
5. H.Venkatasubramanian, Sarojkumar Sha, **S.Hemalatha**, D.Easwaramoorthy synthesis, characterisation and antimicrobial activity of new nicotinamide-thiazole derivatives *RJC*, Vol.12, No.3, 2019 (Scopus indexed)
6. Khan. M.S. Sakaram.S and **S. Hemalatha** Detection of Biochemical and molecular changes in *Oryza sativa* L during drought stress *Biocat.Agri.biotech*, 2019 (In press) (Cite score 2.9) (scopus indexed)
7. Tahira .A, Vabeiryureilai M, N.Senthil Kumar, **MubarakAli.D** and **S. Hemalatha** Fungal-mediated synthesis of pharmaceutically active silver nanoparticles and anticancer property against A549 cells through apoptosis *Environmental Science and Pollution Research* , 2019 26: 13649. (Impact factor 2.91) (Scopus indexed)
8. Saroj Kumar Sah Ubaid Rasool, and **S. Hemalatha** *Andrographis paniculata* extract inhibit growth, biofilm formation in multidrug resistant strains of *Klebsiella pneumonia*. *J.Trad.and compl.med.* 2019, (Cite score 3.28) (Scopus indexed)

9. Tahira A and **S. Hemalatha** Mycosilver Nanoparticles: Synthesis, characterization and screening the efficacy against plant pathogenic fungi, *Bionanoscience*, 2019 (In press) (Cite score 1.08) (Scopus indexed)
10. Tahira A, Priya S, Sarojkumar Sah, Mohd Shahanbaj Khan, **Hemalatha S Ta-AgNps are potential antimicrobial resistance breakers**, *J.of Nano.str.*, 2019 (In press) (Scopus indexed)
11. Khan, M.S., Uandai, S.B. and **S. Hemalatha** Anthracnose disease diagnosis by image processing, support vector machine and correlation with pigments *J Plant Pathol* (2019) (Impact factor 1.38) (Scopus indexed)
12. Mohd Shahanbaj Khan, Tahira A, D. **MubarakAli** and **S.Hemalatha** An investigation of salicylic acid to alleviate the saline stress in rice crop, *Biocat.Agri.biotech*, 2019 (In press) (Cite score 2.9) (Scopus indexed)
13. Saroj Kumar Sah,Ubaid Rasool, and **S. Hemalatha** Efficacy of *Andrographis paniculata* against AmpC producing multi drug resistant *E. coli* *Biocat.Agri.biotech*, 2019 (In press) (Cite score 2.9) (Scopus indexed)
- 14.Ubaid Rasool and **S. Hemalatha**, Effect of biosynthesized copper nanoparticles (Cunps) on growth and biofilm formation in fluconazole resistant *Candida albicans* *J. of micro. Biotech. and food sci.* 2019 (In Press)(Scopus indexed)
- 15.MohdHashim Khan, Sneha U, **Karthikeyan Ramalingam**, Bactericidal potential of silver-tolerant bacteria derived silver nanoparticles against Multi Drug Resistant ESKAPE pathogens. *Biocatalysis and Agricultural Biotechnology*, Volume 18,2019 , <https://doi.org/10.1016/j.bcab.2018.12.004>, (Cite score 2.9) (Scopus indexed)

16. Sneha U, **Karthikeyan Ramalingam**, Bactericidal activity of ayurvedic formulation against cariogenic microorganisms, *Biocatalysis and Agricultural Biotechnology*. Volume 18, 2019, <https://doi.org/10.1016/j.bcab.2019.101026>, (Cite score 2.9) (Scopus indexed)
17. Mohd Hashim Khan, **Karthikeyan Ramalingam**, Synthesis of antimicrobial nanoemulsions and its effectuality for the treatment of multi-drug resistant ESKAPE pathogens. *Biocatalysis and Agricultural Biotechnology*. Volume 18, 2019 <https://doi.org/10.1016/j.bcab.2019.101025>, (Cite score 2.9) (Scopus indexed)
18. **Karthikeyan Ramalingam**, BT Amaechi *Phytochemicals: Their Therapeutic Potential Against Dental Caries Computational Techniques for Dental Image Analysis*, 2019, 238-275.
19. Saravanan Sankaran, **Karthikeyan Ramalingam**. Microbiologically Induced Corrosion Behavior of *Citrobacter Freundii*, Isolated from Corroded Water Pipeline and its THPS Inhibition Analysis, *Asian Journal of Microbiology, Biotechnology and Environmental Science*, Issue (3), 2019. (In Press). (Scopus indexed)
20. **Pandurangan AK**, Suresh Kumar A, Sivaprakasam P, Sekar K, Naveen S. Ed. Swamy MK and Rudramurthy GR. *Phytocompounds: Sources and Bioactivities: Chapter 2: Understanding the mechanism of Luteolin, a bioflavonoid on colorectal cancer*. pp. 19-34. (2019) Studium press Pvt Ltd. ISBN 13 : 978-93-85046-43-8.
21. Mashihur Rahman & **Md. Khurshid Alam Khan** *In silico* based unraveling of New Delhi metallo- β -lactamase (NDM-1) inhibitors from natural compounds: a molecular docking and molecular dynamics simulation study, *Journal of*

Biomolecular Structure and Dynamics, DOI: [10.1080/07391102.2019.1627248](https://doi.org/10.1080/07391102.2019.1627248)) (2019) (Impact factor 3.1) (Scopus indexed)

22.Sana Quasain, **Hemalatha S**, **Shazia Jamal**, Mohammad Nasiruddin and **Md. Khurshid Alam Khan** Phosphorylation and acetylation as post-translational modification of proteins: Role in human health and associated diseases. Book Chapter, Publisher- Elsevier (2019) (Article in Press).

23.Aashique M, Roy A, Diamond A, **Bera S**. Subcellular compartmentalization of glutathione peroxidase 1 allelic isoforms differentially impact parameters of energy metabolism. *J Cell Biochem.* 2019 Mar;120(3):3393-3400. [doi: 10.1002/jcb.27610](https://doi.org/10.1002/jcb.27610). (Impact factor 2.9) (Scopus indexed)

24.Mohamed Adil AA, Anil Kumar Bommanabonia, Anandraj Vaithy, Sateesh Kumar, Mohammad Waseem, Shazia Jamal, Neesar Ahmed, Differential expression of Helios, Neuropilin-1 and FoxP3 in head and neck squamous cell carcinoma (HNSCC) patients. *3 Biotech* (2019) 9: 178. <https://doi.org/10.1007/s13205-019-1707-7>. (Impact factor 1.786) (Scopus indexed)

25.Mohamed Adil, A.A, Lavanya V, K.Chitra, **Shazia Jamal**, **Ashok Kumar Pandurangan** and **Neesar Ahmed**. 2019. Increased Expression of TGF- β and INF γ in Peripheral Blood Mononuclear Cells (PBMCs) Cultured in Conditioned medium (CM) of K562 cell culture , *Journal of Environmental Pathology, Toxicology and Oncology*" 2019 (In press) (Impact factor 1.24)

- 26.V. Lavanya, **Shazia Jamal, Neesar Ahmed**, Chapter 5 - Ubiquitin Mediated Posttranslational Modification of Proteins Involved in Various Signaling Diseases, Editor(s): Tanveer Ali Dar, Laishram Rajendrakumar Singh, Protein Modificomics, Academic Press,2019,Pages 109-130, ISBN 9780128119136 <https://doi.org/10.1016/B978-0-12-811913-6.00005-9>.
- 27.Saranya Shivashankar Aswini Murali **M.K.Sangeetha**,. Molecular interaction of phytochemicals with snake venom: Phytochemicals of *Andrographispaniculata* inhibits phospholipase A2 of Russell's viper (*Daboia russelli*), Biocatalysis and Agricultural Biotechnology, Volume 18, March 2019, 101058 (Cite score 2.9) (Scopus indexed)
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49. Rumelee Das and S. Hemalatha, Genome wide applications of electroporation to deliver nanodrugs to control diseases, International conference on emerging areas of biotechnology for human welfare and bioenterpreneurship, 11-12, September, 2018 (ICEBHE 2018), BSARCIST, Chennai
50. J. Santhoshini and S. Hemalatha, Antimicrobial resistance: An overview. International conference on emerging areas of biotechnology for human welfare and bioenterpreneurship, 11-12, September, 2018 (ICEBHE 2018), BSARCIST, Chennai
51. Mahalakshmi R and S. Hemalatha, Plant genomics: an overview International conference on emerging areas of biotechnology for human welfare and bioenterpreneurship, 11-12, September, 2018 (ICEBHE 2018), BSARCIST, Chennai
52. Mohd. Adnan and S. Hemalatha, Nanoparticles mediated Drug delivery International conference on emerging areas of biotechnology for human welfare and bioenterpreneurship, 11-12, September, 2018 (ICEBHE 2018), BSARCIST, Chennai
53. Tasneem Ismail Khan and S. Hemalatha, Nanobiosensors applications and current research International conference on emerging areas of biotechnology for human welfare and bioenterpreneurship, 11-12, September, 2018 (ICEBHE 2018), BSARCIST, Chennai

54. Tahira Akther, S. Hemalatha, Presented a paper on “Mycosynthesis of Nano-silver from endophytic fungi isolated from medicinal plants and its applications against Human pathogens” in three days 13th session of Jammu and Kashmir Science Congress held at Kashmir University, April 2-4, 2018
55. Ubaid Rasool and S. Hemalatha, Copper and iron nanoparticles (CuNPs and INPs): Actinomycete assisted synthesis, Characterization and biological applications, 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
56. Tahira Akther, S. Hemalatha Mycosynthesis of silver nanoparticles from endophytic fungi isolated from medicinal plants to control MDR bacterial pathogens, 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), Febr. 22-23, 2018
57. Mohd Shahanbaj Khan, S. Hemalatha Influence of signaling molecule in rice seedlings grown under saline stress. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
58. Sathyapriyan, M, Subashree, V.K, C. Tahrini and S. Hemalatha Application of biotechnology to enhance the Shelf Life of fruits and vegetables 7th Annual International conference on Innovations in pharmaceutical and biological research:

discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018

59. Saroj Kumar S, Jagjot Singh Kainth, Zahra Afrasiabi, Anandhi Upendran and S. Hemalatha Synthetic Antimicrobial Peptides to Overcome Multi Drug Resistant E.coli by Inhibiting B-Lactamase. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
60. Rumelee Das and S. Hemalatha Predicting genes in prokaryotes by in silico approaches. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, , in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
61. Rumelee Das and S. Hemalatha, Advantage of using T-Coffee for the ability to use different methods and data type for executing multiple sequence alignment 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
62. Rubina Banu and S. Hemalatha, Study of Various Neural Drug Interactions with Asparagine Endopeptidase in Parkinson's disease. 7th Annual International conference on Innovations in pharmaceutical and biological research:

discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018

63. Rubeena Banu, Mohd shahanbaj khan and S. Hemalatha Screening the efficacy of Bioformulation against cancer, microbial growth and Stress 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018

64. Rohini Baradan, Tahira Akther and S. Hemalatha, Green nano particles synthesized from Nigella sativa seeds as potential antidiabetic agent. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018

65. Jagjot Singh Kainth, Priya, Raghuraman Kannan, Zahra Afrasiabi, Anandhi Upendran and S. Hemalatha Evaluation of Antimicrobial Peptide Gold Nanoconjugates for Treating Drug Resistant E.coli. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), Chennai, February 22-23, 2018

66. Prasanthi Mohan and S. Hemalatha Identification of plant compounds targeting BACE1 to control Alzheimer's disease 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), Chennai, February 22-23, 2018

67. Nehavarshini.V and S. Hemalatha, Applications of “chlorop” to detect chloroplast transit peptides. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
68. NaheethaFathima, Mohammed Umar, Haji Sheik Mohammed, S. Hemalatha, Isolation, identification and characterization of microorganisms associated with concrete deterioration. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
69. Maha Lakshmi R and S. Hemalatha Computational approaches to predict functional and evolutionary relationship of gene families. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, , in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
70. J. Indumathy, Tahira Akther and S. Hemalatha, Natural way of increasing fecundity by utilizing Euphorbia hirta. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018

71. S. M. Fazeela Mahaboob Begum and S. Hemalatha, Seaweed extract inhibits cell invasion, colonization, proliferation and metastasis to control lung cancer. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
72. Farheen Farzana Fathima K. A., Tahira Akther, S. Hemalatha Nanoparticles synthesized from endophytic fungi suppress cancer. 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
73. Charumathi, Tahira Akther, S. Hemalatha, Synthesis of nanoparticles to suppress the food borne pathogens 7th Annual International conference on Innovations in pharmaceutical and biological research: discovering novel approaches B. S. A. R. Crescent Institute of Science and Technology, Chennai, in association with Society of Pharmaceutical Education and Research (SPER 2018), February 22-23, 2018
74. Ubaid Rasool & S. Hemalatha. Marine endophytic actinomycetes assist in iron oxide nanoparticles synthesis which possess antioxidant and anticancer activity. Two-days National seminar, RAMT for REBHSA organized by Department of Microbiology, Periyar University, Selam, on 24 - 25 January, 2018
75. Tahira Akther, S. Hemalatha, Presented a paper on "Mycosynthesis of silver nanoparticles and study of its antibacterial activity and prevention of biofilm" in the National seminar on "Recent Advances in Microbial Technology for Renewable

Energy, Bioremediation, Health and sustainable Agriculture held at Department of Microbiology, Periyar University, January 24-25, 2018

76. Ubaid Rasool & S. Hemalatha. Marine endophytic actinomycetes assist in iron oxide nanoparticles synthesis which possess antioxidant and anticancer activity. One-day seminar on Challenges and Opportunities in Green Nanotechnology, Department of Pharmacognosy, VISTAS on 25th Jan, 2018.

77. S. Hemalatha, Synthesis, characterization and applications of green nano particles from various biological sources One-day seminar on Challenges and Opportunities in Green Nanotechnology organized by Department of Pharmacognosy, VISTAS on 25th Jan, 2018. (invited talk)

9. Details of Impact Factor Of The Publication and H-Index

A) Range : B) Average : C) H-Index : D) No. In Scopus: 48

Number of Citation Index – range / average:

R: 0-7

A: 0.56

Total citation 141

Number of Impact Factor – range / average

R: 0-4.51

A: 0.6655

Total impact 15.307

10. Sponsored Research (Ongoing / Applied)

S. No	TITLE OF THE PROJECT	NAME OF THE PRINCIPAL INVESTIGATOR	FUNDING AGENCY	TENURE	GRANTS SANCTIONED (RS.)
1	Antioxidant gene polymorphisms and mitochondrial Ros signaling in cancer risk	Dr. Soumen Bera	DBT	2015-18	24,75,000
2	Synthesis of antimicrobial nanoemulsions for the treatment of multi-drug resistant ESKAPE pathogens	Dr. R. Karthikeyan	SERB	2015-18	23,28,000
3	Immunosuppressive cells within inflammatory Tumor Microenvironment	Dr. Neesar Ahmed	SERB	2015-18	22,66,000
4	Antimicrobial Efficacy and Mechanisms of Whole	Dr. R. Karthikeyan	AYUSH-EMR Research	2016-19	33,00,000

	Plant Extract of <i>Acacia Arabica</i> with Triphala on Biofilm Forming Cariogenic Microorganisms		Project		
5	Mechanistic anti-tumour activity of Vernodalin isolated from <i>Centratherum anthelminticum</i> on colorectal cancer cells	Dr. Ashok Kumar P	2018	SERB- Teachers Associateship for Research Excellence (TARE)	15,00,000/3 years
6	Dr. Sheeza Khan	Role of naturally occurring small molecules in transthyretin-induced familial amyloid cardiomyopathy	2017	DST-WOS-A	2900000
7	Wasima M	Endophytic diversity of the herbal plant Hibiscus	2017	BCIL- DBT Foldscope	800000
8	Dr. S. Hemalatha	Crescent Biotech Incubator- BioNEST	March, 2018 2019-2022	BIRAC	1,80,00,000

Sponsored Research- Applied

S. No	Principal Investigators	Project Title	Funding Agencies	Amount
1	Dr. Neesar	Targeting Caveolin-1 Expression on Tumor Stromal and Cancer Cells within Inflammatory Tumor Microenvironment	SERB DST Core research grant	37 lakhs
2	Dr. Shazia Jamal	Biophysical analysis of caveolin-1 variants found in various cancer	DST	35
3	Dr.Sudarkodi Sukumar	Characterizing the differential proteomic response of macrophages to subclasses of mycolic acids, a major virulence factor of Mycobacterium Tuberculosis	Early career research	38
4	Dr.Sudarkodi Sukumar	Elucidating the action mechanism of Delamanid, the new anti-tuberculosis drug and assessing its response in major Indian Mycobacterium Tuberculosis lineages	TARE	30
5	Dr.Sudarkodi Sukumar	Deciphering the novel host pathogen interaction mechanisms of <i>Mycobacterium</i>	DBT	48 lakhs

		<i>tuberculosis</i>		
6	Dr. Gulsaz Shamim	Metabolic engineering of microbial cells for the production of lac resin constituents	DBT	39.98
7	Dr. K. Chitra Dr. S. Hemalatha	Coumarin loaded teat cap for prevention of bovine mastitis in cattle	DST WOS-B Approved	60 lakhs
8	Dr. S. Hemalatha	Novel Nano formulation as antibiotic resistance breakers to control multidrug resistant pathogenic bacteria	DBT- BIRAC- BIG	48 lakhs
9	Dr. S. Hemalatha	Novel Myco Nanoparticles as an alternate to fungicides to control plant pathogenic fungi	DBT- BIRAC- BIG	48 lakhs
10	Ms. S. Ranjani	Novel Nanoformulation to control MDR pathogens causing Clinical Mastitis	TNSCST	3 lakhs
11	Dr.MubarakAli, D, Santhoshkumar, S	Phycoremediation of CO2 level in Sub Urban area via CO2 sequestration by native microalgae: an eco friendly approach	SPS - TNSCST	20,000
12	Dr. MubarakAli, D Thajul Vaslin, M	Study on the bioelectricity production using microalgae as bioreactor and nanoparticles as catalyst	SPS - TNSCST	20,000

13	Dr. Subhamoy Banerjee	Combination therapy against triple negative breast cancer cells: Silver nanocluster embedded theranostic nanoparticle for dual biotherapeutics delivery	DST	33.83
14	Mr. Shariq Ahmed	Novel endophytic nanoparticles to control infectious & non infectious disease	TNSCST	3 lakhs
15	Dr. Faraz Ahmad	"Effect of chronic maternal separation induced developmental stress on the regulation of major matrix metalloproteinase (MMP) isoforms in the rat brain	SERB ERC	50.00
16	Dr. S. Hemalatha	Support for Entrepreneurial and Managerial Development of SMEs through Incubators	MSME	55 Lakhs
17	Ms. S. Ranjani & Dr. S. Hemalatha	Formulating antibiotic resistance breakers to control multidrug resistant pathogenic bacteria	DST- WOSB Recommended	25 Lakhs
18	Dr. Fazeela & Dr. S. Hemalatha		DST- WOSB	25 Lakhs

19	Dr. S. Hemalatha & Dr. A. Gnanamani	Endophytic myconanoparticles as novel biofilm inhibitors to control WHO's priority multidrug resistant pathogens	DBT Mission AMR	
20	Dr. S. Hemalatha & Dr. S. Tharini	Intelligent IOT based fertigation system for coconut farms for precision agriculture	BIRAC- SPARSH	50 Lakhs
21	Ms. S.Ranjani & Dr. Fazeela	Development of bionanohydrogel to control, diabetic wound causing MDR pathogens	BIRAC- SPARSH	50 Lakhs
22	Dr. Soumen Bera	Dietary polyphenols in overcoming the antibiotic resistance by Pseudomonas aeruginosa biofilms	DBT	35 Lakhs
23	Dr. S. Hemalatha Dr. C. Tharini Dr. R. Auvai Dr. M. K. Sangeetha	Yogic intervention for PMS and analysis by combined approaches	DST	20 Lakhs
24	Dr. S. Hemalatha	Novel myconano formulation as antibiotic resistance breakers	TATA	6 Lakhs
25	Dr. S. Hemalatha	Technology Business incubator	NIDHI- TBI	3cr

26	Dr. S. Hemalatha	FIST	DST	3cr
27	Dr. S. Hemalatha Dr. Jeena,	Screening of Phytoalkaloids like Berberine for modifying epigenetic axis (SIRT1 induces inflammatory genes inhibition) and removing glycemic memory	DST SERB-CRG	33,88,040

11. 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	Workshop on computational biology,	17 to 19, june 2019		15,000	Ms. Priya	Completed
2	Workshop on Clinical multicolour Flow cytometry	April 11 and 12, 2019		57,500	BD Technical Support Team	Completed
3	Workshop on "Plant Tissue culture technology"	24 & 25 th January 2019		21,000	Dr. Sangeetha Dr. Faridha Ms. Ranjani	Completed
4	workshop on "Molecular Biology Techniques"	11 & 12th February 2019		9,000	Dr. Sangeetha Dr. Faridha	Completed

					Ms. Ranjani	
5	Two days workshop on "Animal Tissue culture "	26 & 27 TH December 2018		3,000	Dr. Sangeetha Dr. Faridha Ms. Ranjani	Completed
6	Hands on workshop on Recombinant proteins expression and purification	17 to 21 December 2018		24,000	ProJac Biosciences, Dr. Neesar Ahmed	Completed
7	Three Day Computational Workshop on Cancer Interactome Analysis & Drug	Design 1st – 3rd Nov 2018			Dr. Shahul Hameed	Completed
8	Workshop on "Analysis of phytocompounds by HPLC"	29th October 2018		10,000	Dr. Faridha Dr. Helen Ms. Ranjani	Completed
9	Two Day Computational Workshop on "R programming for NGS	25th - 26th Oct 2018			Dr. Shahul Hameed	Completed

10	Data Analysis” Workshop on ELISA – Biomarker quantification was organized on	25 th September, 2018			Dr. Sangeetha	Completed
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12. Details of Special Research Laboratories Created

S.No	Name of the Lab	Details of Infrastructure		Value of Equipment procured in the Financial Year 2018-19
		Land	Construction Space	
1	Protein purification Lab	6th floor SLS lab	8x8	2.5 lakh

13. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Refrigerated cooling	Neuation	July2018	2 lakhs	Yes	

	Centrifuge					
2	Refrigerator (4nos)	Labtech	March 2019	2 lakhs	Yes	
3	-80 Deep freezer	Labtech	July2019	3.8 lakhs	To be installed	

14. Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Dr. Hemalatha, S	Climate-Smart Groundnuts for Achieving High Productivity and Improved Quality: Current Status, Challenges, and Opportunities			70.Springer	
	Dr. Pandurangan AK	Phytochemicals: Sources and Bioactivities			Studium press Pvt Ltd. ISBN 13 : 978-93-85046-43-8	
	Dr. Shazia Jamal, Dr. Neesar Ahmed	Protein Modificomics			Academic Press	

	Dr. MubarakAli	Fungal genes encoding enzymes used in cheese production and fermentation industries			Springer Nature	
	Dr. Hemalatha S, Dr. Shazia Jamal, Dr. Md. Khurshid Alam Khan	Phosphorylation and acetylation as post-translational modification of proteins: Role in human health and associated diseases			Elsevier	
	Dr. Sheeza Khan	<i>Non-Enzymatic post-translational Protein Modifications: Mechanisms and Associated Disease pathologies. Protein Modificomics</i>			Elsevier	
	Dr. Sheeza Khan	<i>Role of osmolytes in amyloidosis. Synucleins- Biochemistry and Role in Diseases</i>			IntechOpen	

15. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Dr. Mohammad Ashfaq	Chululong University	Thailand	Faculty exchange	2 years	Research publication
2	Dr. Mubarak Ali	Kangwon National University	South Korea	Research	3 months	Research collaboration
3	Ms. Kiruthika	University of Missouri	USA	Interns for Research	2 months	Research presentation
4	Mr. Pradeep	University of Missouri	US	Interns for Research	2months	Research presentation
5	Mr. Marwan	John Hopkins	US	Interns for Research	2 months	Research
6	Ms. Zahra	University of Montana	US	Interns for Research	2 months	Research

16. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr. S. Hemalatha	PI for BioNEST grant	BIRAC	Approved October- 2018 2019-2022
2	Dr. S. Hemalatha & S. Ranjani	Recommended for DST WOSB	DST	July 2019
3	Dr. D. Mubarak Ali	Young Scientist award	VIP bioproducts Madurai and Kamaraj college	18, July 2019
3	Dr. D. Mubarak Ali	Dr. P. Daisy Gold Medal Oration Award for the Outstanding Research Contribution	Dr. P. Daisy Gold Medal Oration Award for the Outstanding Research Contribution. at the International Conference in Holy Cross College, Tiruchirappalli, Tamil Nadu, India – (Details Attached)	January 7, 2019
4	S. Ranjani	Cash Award for the best Paper Presentation	TNSCST sponsored International Conference on Emerging perspectives on Bioengineering and	March 25-27, 2019

			Biomedical Informatics with Special relevance to Ethnomedicine in Human Health" (ICBBI 2019), Sathyabama University, Chennai.	
5	S. Ranjani	Best Paper Award	UGC sponsored National conference on Innovations and new horizons in microbial technology" Sri Padmavathi Mahila Visvavidyalayam university, Tirupathi .	6-7 March, 2019,

17. Achievements of Students

No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Mr. Nassir Hussein, A.E	180562601007	Best Oral presentation	Kamaraj College of Engineering and Technology, Madurai	July 2019
2.	Ms. Pujitha, S	180532601018	First Prize in Shotput	BSACIST	March 2019
3.	Ms. Pujitha, S	180532601018	Second Prize in Running (400m)	BSACIST	March 2019

4.	Ms. Pujitha, S	180532601018	Third Prize in Javalian Throw	BSACIST	March 2019
5.	Mr. Abdul Rahman, A	180562601001	First Prize in Facial Art	Pondicherry University, Puducherry	March 2019
6.	Ms. Mariam Adhila, H	180532601013	First Prize in Facial Art	Pondicherry University, Puducherry	March 2019
7.	Ms. Lakshmi Prasanna, A	180532601002	Second Prize in Facial Art	Pondicherry University, Puducherry	March 2019
8.	Mr. Kishore, J	180532601012	Second Prize in Facial Art	Pondicherry University, Puducherry	March 2019
9.	Ms. Pujitha, S	180532601018	Second Prize in Drawing	Pondicherry University, Puducherry	March 2019
10.	V. G. Sankari	18139161045	Kumite-Silver-2 nd prize	9 th Karate Speed Power International (Malaysia) Open Championship 2019	May, 2019
11.	V.G.Sankari	18139161045	Kata-Gold-1 st Prize	9 th Karate Speed Power International (Malaysia) Open Championship 2019	May, 2019
12.	J. Sharvani	18139161063	1 st Prize in Variety	Orion-2019	March, 2019
13.	J. Sharvani	18139161063	Participation	Orion-2019	March, 2019

14.	Aarthika J	18139161003	Participation	Orion-2019	March, 2019
15.	Insha Ishrat	18139161024	Singing- 2 nd Prize	Intron 2018-19	August, 2018
16.	Aqsa Siraj Hashmi	18139161007	Singing- 2 nd Prize	Intron 2018-19	August, 2018
17.	Abdul Wahab	18139161004	Musically-1 st Prize	Intron 2018-19	August, 2018
18.	Insha Ishrat	18139161024	Participation	Innovation & Research Symposium 2018-19	
19.	Aqsa Siraj Hashmi	18139161007	Participation	Innovation & Research Symposium 2018-19	
20.	Aqsa Siraj Hashmi	18139161007	Singing- 2 nd Prize Fashion Show- 3 rd Prize Dress like celebrity- 2 nd Prize	CRE'EVE 2019 TBAK Hostel for Women	March, 2019
21.	Avinash S.P.	18139161010	Variety-2 nd Prize	Orion-2019	March, 2019
22.	Sri Hari Haran S	18139161055	Variety-2 nd Prize	Orion-2019	March, 2019

M.Tech.

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Mr. Showkat Ahmad Lone	171442601007	First Prize in Oral	Holy Cross College,	Jan 2019

			presentation	Trichirappalli, Tamil Nadu	
2	Mr. Showkat Ahmad Lone	171442601007	First Prize in Oral presentation	Pondicherry University, Puducherry	March 2019
3	Mr. Showkat Ahmad Lone	171442601007	First Prize in Oral presentation	Kamaraj College of Engineering and Technology, Madurai	July 2019

M. Sc Biotechnology

No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Mr. A. Aravindh	170542601001	Second Prize in Poster Presentation	Pondicherry University, Puducherry	March 2019
2	Mr. M. Santhosh Kumar	170542601008	TNSCST Student Project Scheme Award	Tamilnadu State Council for Science and Technology, Chennai	Feb 2019

Research Scholars

S.No	Name of the student	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Shariq Ahmed	Second Prize, Oral presentation	Pondicherry University, Puducherry	March, 2019
2	Hashim Khan	First Prize, Poster presentation	Pondicherry University, Puducherry	March, 2019
3	Tahira Akther	First Prize, Oral presentation	Pondicherry University, Puducherry	March, 2019

18. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	iBig foundation	Research collaboration, Student Exchange program, Placement	Feb 2017	Ongoing		Research, Student Interns
2	Xinovem, Chennai	Research collaboration	Feb 2016	Ongoing		39 B.Tech ststudents were selected for internship

					2 research projects were submitted Areas of collaboration: Bioinformatics, drug designing 5 joint research manuscripts are communicated 2 are published Hands on Workshop on Next Generation Sequence (NGS) Analysis was conducted
3	Aaranya biosciences	Research collaboration	November 2016	Ongoing	Research, Student Interns and placement
4	Biozone Research Technologies Pvt. Ltd, Chennai	Research collaboration	April 2016	Ongoing	Research, Student Interns
5	V Clinbio	Research collaboration	June 2016	Ongoing	Research, Student Interns
8	Geomarine biotechnologies	Research collaboration	November 2016	Ongoing	Research, Student Interns

9	Pentagrit Research	Research collaboration	June 2015	Ongoing	<p>sponsored research grant for Ph.D research scholar Fazeela under the guidance of Dr. S. Hemalatha</p> <p>Collaborative research in molecular drug screening by using novel tissue chip technology</p> <p>One joint research article in BMC CAM (if 3.00) was accepted in 2018</p> <p>Pentagrit Sponsored undergraduate research symposium, 2015</p> <p>Mr. Benin CEO of Pentagrit is serving as member board of studies</p>
10	Medall	Research collaboration	August 2015	Ongoing	<p>Industrial visit for our students</p> <p>2 Practical courses</p>

					<p>conducted in association with medal diagnostic labs</p> <p>Mr. Raju Venkatraman, Founder and CEO, Medall addressed the students on 16th March 2016.</p> <p>Student placement</p>
11	Hi Rise Food technology lab	Research collaboration	November 2016	Ongoing	<p>Collaborative research in food microbiology</p> <p>2 master's students will be doing their final year project for 6 months</p> <p>Ms. Ramya, taught 3 credit course on food biotechnology for B.Tech students</p> <p>Delivered invited talk in EDI sponsored workshop on biotechnology on 4-5, 12, 2017</p> <p>Placement drive and</p>

					offered jobs for our students Student placement
12	Medville Cherian heart foundation, Chennai	Research collaboration	2018	Ongoing	Research collaboration
13	Annavarshni Foods LLP	Research collaboration	July 2019	Ongoing	Research, Student Interns Student placement

19. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	SPER	Research, Conference & Publications	50	700	10			
2	BRSI Biotech Research society of India	Conferences, Workshops	Events proposed					

20. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU		Outcome Expected	Current status
1	University of Central Lancashire England	Student & Faculty research Exchange program Research Collaboration	February,	2018	Research, Student Interns	Ongoing
2	University of Malaya, Malaysia	Student & Faculty research Exchange program Research Collaboration	February	2018	Research, Student Interns	Ongoing
3	Holy cross college	Student & Faculty research Exchange program Research Collaboration	December	2018	Research, Student Interns	Ongoing
4	Medville Cherian heart foundation, Chennai	Student & Faculty research Exchange program Research Collaboration	July	2018	Research collaboration	Ongoing
5	Annavarshni Foods LLP	Research collaboration	July	2019	Research,	Ongoing

						Student Interns Student placement	
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21. Extension Activity Conducted

S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Molecular biology workshop	3	30	5	School students	August1, 2019	Admission to our UG program
2	Bioinformatics workshop for school students	2	35	2	School students	Oneday June 2019	Admission to our UG program
3	Seminar and awareness program at Valluvar Hr. Sec.School, Arakonam	2	45	2	School students	12.6.19	Admission to our UG program
4	Seminar and awareness program	2		4	School	13.6.2019	Admission to

	St. Joseph Hr.Sec.School Chengalpattu				students		our UG program
5	Seminar and awareness program Seminar and awareness program Seventh Day Hr.Sec.School Chengalpattu	2	60	3	School students	13.6.2019	Admission to our UG program
6	Seminar and awareness program Little Jockey Hr. Sec. School Chengalpattu	2	45	2	School students	13.6.2019	Admission to our UG program
7	Seminar and awareness program St.Paul's Hr. Sec.School Chengalpattu	2	45	2	School students	13.6.2019	Admission to our UG program
8	Seminar and awareness program St. Mary's Hr. Sec. School Chengalpattu	2	40	4	School students	13.6.2019	Admission to our UG program
9	Seminar and awareness program Ananthavalli Matric Hr.Sec. School Urapakkam	2	50	2	School students	18.6.2019	Admission to our UG program
10	St. Mary's Hr. Sec. School Urapakkam	2	40	2	School students	18.6.2019	Admission to our UG program

	St. John's Matric Hr. Sec. School Guduvancherry	2	34	2	School students	18.6.2019	Admission to our UG program
	Bharathiyar Matric Hr. Sec.School Guduvancherry	2	30	2	School students	18.6.2019	Admission to our UG program
	Sivandha Rajaram Senior Sec. School Maraimalai Nagar	2	50	2	School students	18.6.2019	Admission to our UG program
	St.Jhon's Matric Hr. Sec. School Maraimalai Nagar	2	45	3	School students	18.6.2019	Admission to our UG program
	St. Anne's Matric Hr. Sec. School Perunkalathur	2	50	2	School students	19.6.19	Admission to our UG program
	MCC School Tambaram Sembakkam	2	35	2	School students	19.6.19	Admission to our UG program
	Alpha Matric Hr. Sec. School	2	30	2	School	19.6.19	Admission to

	Kelambakkam				students		our UG program
	Bhuvana Krishna Matric Hr. Sec. School Kelambakkam	2	35	3	School students	26.6.2019	Admission to our UG program
	St. mary's Matric Hr. Sec. School Kelambakkam	2	40	2	School students	26.6.2019	Admission to our UG program
	Sushil Hari International School Kelambakkam	2	20	2	School students	26.6.2019	Admission to our UG program
	Jagannath Vidyalaya senior Sec. School Kelambakkam	2	25	2	School students	26.6.2019	Admission to our UG program

22. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Dr. Gayathri	BIRAC	Inspection for DBT BioNEST	BIRAC –Bionest grant was approved

2.	Dr. Sriram	Golden jubilee women's biotech park	Team member in DBT BioNEST inspection	SPARSH grant submitted to BIRAC
3.	Dr. Utkarsh Mathur	Manager - Strategy Partnerships & Business Development at BIRAC	BIRAC Team member for DBT BioNEST inspection	BIRAC –Bionest grant was approved
4.	Dr. N. Senthil Kumar	University of Mizzorum	Delivered special lecture	Research collaboration 2 joint papers published
5.	Dr. Patra	Indian Institute of Chemical Technology Hyderabad, India	Delivered special lecture in International conference	Internships for students
6.	Dr. Suresh	CLRI	Delivered talk	Research collaboration
7.	Dr. VNS Deviram. Garlapati,	National Centre for Coastal Research (NCCR)	Delivered special lecture	Research collaboration
8.	Dr. Jeyaraj	Madras University	Research discussion	Research collaboration
9.	Dr. Ramachandran	Kangwon National University (South Korea)	Delivered special lecture	Research collaboration
10	Dr. P. Visen	University of Toronto, Canada	Delivered talk in 7th Annual International Conference & Exhibition,	Research collaboration

			SPER	
11	Dr. S.C. Parija,	Director, JIPMER, Puducherry	Chief Guest in 7th Annual International Conference & Exhibition, SPER	Research collaboration
12	Mr. P. K. Gupta	Chairman, Belco Pharma, Bahadurgarh	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Research collaboration
13	Mr. T. S. Jaishankar,	Managing Director, Quest Lifesciences Pvt. Ltd., Chennai	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Research collaboration
14	Dr. Jaipaul Singh,	University of Central Lancashire, Preston, England	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Signed MOU, Research collaboration
15	Dr. Kamalinder K Singh,	University of Central Lancashire, Preston, England	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Signed MOU, Research collaboration

16	Dr. Upendra Nagaich,	Secretary, Society of Pharmaceutical Education & Research [SPER]	Secretary Society of Pharmaceutical Education & Research [SPER] 7th Annual International Conference & Exhibition, SPER	Research collaboration Organized Conference SPER Membership for B.Tech Biotechnology Students (2014-18)
17	Dr. Christopher Taylor Barry	Stanford University, USA	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Research collaboration
18	Prof. (Dr.) S. H. Ansari	Jamia Hamdard, New Delhi, India	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Research collaboration
19	Dr. Lakshmi T.	Saveetha university, Chennai	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Research collaboration
20	Prof. Anant Hardas	Director, Indian Pharma Guidance Academy,	Delivered talk in 7th Annual International	Research collaboration

		Nagpur, India	Conference & Exhibition, SPER	
21	Dr. N. Thajuddin,	Director, NRMCF, Tiruchirappalli, India	Chief guest in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
22	Dr. Pooja Pratheesh	Central Inter-Disciplinary Research Facility, Puducherry (UT), India	Chief guest in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
23	Dr. P. Vivekanandan,	Toyo University, Japan	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and	Research collaboration

			Bioentrepreneurship (ICEBHE-2018)	
24	Dr. K. Balaji,	Hebrew University of Jerusalem, Israel	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
25	Dr. J. Arunkumar ,	Microbiology, VIAS, Tiruchengode	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
26	Dr. Kamaraj,	Periyar University, Salem	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and	Research collaboration

			Bioentrepreneurship (ICEBHE-2018)	
27	Dr. C. Anchana Babu	Women's Christian College, Chennai, India	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
28	Dr. R. Dinesh Kumar,	Nehru College, Coimbatore, India	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
29	Dr. Jerrie Joseph	Sathyabama Institute Sci. & Tech, Chennai	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and	Research collaboration

			Bioentrepreneurship (ICEBHE-2018)	
30	Dr. D. Sankar Ganesh	Texas Tech University, USA	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
31	Dr. M. Syed Ali	Mohammed Sathak College, Chennai	Chair in International Conference on Emerging Areas in Biotechnology for Human Welfare and Bioentrepreneurship (ICEBHE-2018)	Research collaboration
32	Dr. Subramanian	Madras University	Delivered talk in 7th Annual International Conference & Exhibition, SPER	Research collaboration
33	Dr. Govind	University of	Seminar on Career	Placement guidance

		Massachusetts USA	opportunities in Life	
34	Dr. Rajesh Ramaswamy	University of Putra, Malaysia	Seminar on Stem Cell Therapy	Research collaboration
35	Dr. Susan Cossetto,	Australian National University	Special seminar was organized in association with Australian consulate Chennai on Recent advances in biotechnology	Interactive session on scope of Biotechnology in abroad universities Placement guidance

CRESCENT SCHOOL OF ARCHITECTURE

1. New Programmes Started

S.No	Name of Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1.	M. Arch (General)	August, 2018	2016	2018	2015	-

2. Value Added Programmes Conducted

S. No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Skill Development - I	July – Dec	30	Imago Consultancy	98	-	-
2	Skill Development - II	Jan – April	34	Ar. Mahima Podder	98	-	-
3	Advanced Building Services	August – Nov	46	Omega Consultancy and Er. Krishnan	17	-	-
4	Allied Design Studio - I	July - Dec	20	Micheal Irudhayaraj	98	-	-
5	Digital Tools for Representation	August - Nov	42	digital intuition.X	17	-	-

3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1.	B. Arch	I	A and B	61	Ar. Thilakavathi, Ar. Poornima, Ar. Maithreyi Ar. Saritha, Ar. Saranya and Ar. Vineetha	Dakshina Chitra	1 day	
2	B. Arch	III	A	42	Ar. Diwari, Ar. Abhinaya and Ar. Ragavi	Sunshine School, Chennai	20.7.18	
3	B. Arch	IV	A	41	Ar. Vivekandan Ar. Abhinaya and Ar. Ragavi	Apollo Hospital, Chennai	5.1.19	
4.	B. Arch	IV	A	41	Ar. Vivekandan Ar. Abhinaya and Ar. Ragavi	Egmore Museum	25.2.19	
5	B. Des	II	A	37	Ar. Diwari, Ar. Milan Shamili and Ar. Dharni	Case study visit to a residence at Vepery, Chennai	9.1.19	

6	B. Arch	II	A and B	61	Ar. Hawa, Ar. Sathya, Ar. Prateeksha Ar. Saritha, Ar. Saranya and Ar. Vineetha	Thoondil Resort, ECR, Chennai	1 day	
7	B.Arch	VI	A and B	18	Er. Syed Ahmed Kabeer	Kannagi Nagar Tamil Nadu Slum Tenements	20.1.19	
8	M.Arch	II	A	17	Ar. Abhishek Reddy	Arungal	3 – 7.3.19	

4. Conferences / FDP / Seminars / Workshops Organized

S. 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.	Cement Workshop	Workshop	11.9.18	-	-	2	41	-	-
2.	Clay model workshop	Workshop	31.5.19	-	-	30	-	-	-
3	Rat Lab Studio and Parametric	Seminar	17.9.18	Ar. Sushanth Varman	-	30	350	-	-

	architecture								
4	3D Lighting software workshop	Workshop	28.9.18 - 29.9.18	DIALux	-	-	80	-	-
5	Finishes in Veneer	Workshop	31.8.18	-	-	-	42	-	-
6	Joint studio Programme	Workshop	10.1.19	Sushant School of Art and Architecture	-	6	60	2	60
7	Joint studio Programme	Workshop	14.6.19	Herriot Watt University	-	5	53	4	12

5. Conferences / FDP / Seminars / Workshops Attended

S.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	Prof. Ar. Jayalakshmi G.	Professional Lighting Design Convention and Educators' Meeting		25 – 27.10.19	VIA Events (Proof attached separately)	65710

1	Er. Syed Ahmed Kabeer K. I.	Electrochemical Corrosion Techniques: Theory and Hands on Training	Workshop	7 – 8.9.18	Department of Civil Engineering and Department of Chemistry	-
2	Ar. Thilakavathi S. M.	Disaster Mitigation and Management for Built Environment	FDP	7 – 11.1.19	NIASA and Measi Academy of Architecture (Proof attached separately)	13500
3	Ar. Syedali Fathima	Disaster Mitigation and Management for Built Environment	FDP	7 – 11.1.19	NIASA and Measi Academy of Architecture	13500
4	Er. Syed Ahmed Kabeer K. I.	Awareness Programme on Intellectual Property Rights	Seminar	26.4.19	Patent Information Centre – Tamil Nadu State Council for Science and Technology (Proof attached separately)	-

6. Papers Published/ Presented In Journals & Conferences(Total Numbers Only) (July 2018-June 2019)

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	1	-	-	-	-	3

7. Details Of Publication In National & International Journals &Conferences: (IEEE Format)

•International Conference& National Conference

• Conference with ISBN Proceedings :

1. Gupta, L.K., Kabeer, K.I.S.A., Vyas, A.K., March, 2019. Effect on physical and mechanical properties of cement mortar prepared with waste granite powder as secondary aggregate. *UKIERI Concrete Congress. ISBN 978-93-5351-357-3.*
2. Jayalakshmi G., January, 2019. "Need for Energy efficient techniques in high rise domestic buildings in hot & humid climatic conditions". *1st National Conference on Recent Trends in Architecture & Civil Engineering Towards Energy Efficient and Sustainable Development.ISBN 978-93-5346-040-2.*

• Other Conferences : -

3.Archana, S., Salman, M., Aravind. "The Essential Considerations for Sustainable Design Development". *International Conference on Sustainable Urban Development, Resource Conservation and Food Security – 19*.

(Proof attached separately)

8. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	3D Printer	FABX Plus Extrusion 3D printer	March, 2019	30,254	yes	

9. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	B.Arch 2018 – 23	Herriot Watt University	Dubai	Joint Studio Period	6 days	

10. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Prithviraj M.	160101601045	Special mention – National Students Award	Institute for	Feb, 2019

2	Sameer M.	160101601052	Competition For Best Innovative Use of Steel in Architecture 2018		Steel Development & Growth
3	Pagadala Venkata Nageshwara Rao	160101601040			
4	Amaanullah S.	160101601076			
5	Vignesh R.	160101601063			
6	Swetha S.	160101601073			
7	Riyas Khan I	160101601048			
8	Pradeep S.	160101601043			

9	Ebrahim S. Mohammed	160101601066	3 rd Place, Ente Veedu	Indian Institute of Architects	January, 2019
10	Ram Pandi M.	140101601068	2 nd Place, Display Your Thesis 2019 	Team Archipedia	June, 2019
11	Shahul Hameed Sadhiq. A.A	140101601073	Shortlisted in Top 35, Display Your Thesis 2019	Team Archipedia	June, 2019

			 <p>The image shows a certificate with a gold seal on a red ribbon. The text on the certificate reads: 'CERTIFICATE OF APPRECIATION', 'THIS CERTIFICATE IS PROUDLY PRESENTED TO', 'SHAHUL HAMEED', and 'FOR HIS PARTICIPATION IN "DISPLAY YOUR THESIS" AND GOT SHORTLISTED IN TOP 35 COMPETITION 2019 CONDUCTED BY TEAM ARCHIPEDIA'. The ARCHIPEDIA logo is in the top right corner.</p>		
12	Crescent School of Architecture	-	<p>Maximum Submission Award, Asia Young Designer Award 2018. (Proof attached separately)</p>	Nippon Paint India Pvt. Ltd.	February, 2019

11. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	EN3 -Eddego	Certificate course for students and training them for LEED exams which acts as additional qualification to them.	July – Dec 2018		Completed	
2	Intermediate Reviews for Architectural Design Studio	Industry involvement in architectural design studio on monthly basis to review students works.	July – Nov 2018 and Jan – April 2019		Completed	
3	External viva-voce	Industry involvement in architectural design studio as a final review of students design work.	Nov 2018 and April 2019		Completed	

12. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Prof. N. Altaf Ahmed	Director, MEASI Academy of Architecture, Chennai	Board of Studies	-
2.	Prof. Nalini Thakur	Former Dean of Studies, School of	Board of Studies	-

		Planning and Architecture, New Delhi		
3.	Ar. Kurian George	Kurian George Associates, Chennai	Board of Studies	-

13. Any Other Information

1. **Alumni Development Initiative – “Entrepreneurship”** for final year students by Prof. Ar. G. Jayalakshmi- Dean Crescent School of Architecture & Ar. Palaniappan -Design chair Crescent School of Architecture and Director, M/S. Forum Architects Pvt. Ltd, Chennai.



2. MOOCs:

The following faculty had taken up the below listed MOOCs in the academic year 2018 – 19 (Proof attached separately)

- a. NPTEL

- i. Ar. Milan Shamili J.- Housing & Planning
- ii. Ar. Milan Shamili J. – Landscape Architecture and Site Planning
- iii. Ar. Sathya D. – Housing & Planning

- iv. Ar. Sathya D. - Landscape Architecture and Site Planning
- v. Ar. Archana - Landscape Architecture and Site Planning

b. Coursera

- i. Prof. Jayalakshmi G. – Introduction to Sustainability

Department of Management Studies

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	SHAPE - Personality Development for Budding Managers	29.03.2019 to 11.04.2019	15	NIL	72	NIL	NIL

2. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	Industrial Visit	1	C	24	Dr. N. Anuradha	Mando Automotives Ltd	8.12.2018	Exposure into the basics of Management Practices

3. Conferences / FDP / Seminars / Workshops Organized

S. 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	Working Capital Management & Venture Capital	Guest lecture	18.03.2019		K.A.Srinivasan		90		
2	EXIM Procedure and Documentation	Workshop	19.02.2019				96		
3	Crescendo 2K19	Intercollegiate Talent Meet	15.02.2019				75		100
4	The role of Management & Technology in your career graph	Guest lecture	31.01.2019		Mr. Nizam Mohamed		98		
5	Start-up Talk	Guest lecture	24.01.2019		Mr. Khuzema Siamwala		101		

6	Verbal Skills & Communication	Workshop	09.01.2019		Mr. S.C. Raghunathan, IMS&Time		105		
7	Logistics and Supply Chain Management	Industry Expert Session	08.01.2019 & 09.01.2019		Mr. J. Dharanirajan		45		
8	Market Research Today	Industry Expert Session	07.01.2019		Mr. R. Kesavamurthy, IIM, Market Research & HR Consultancy		122		
9	Opportunities in US Job Market	Guest lecture	24.09.2018		Mr. Alan Coheley, Senior Vice President, Revature, US		105		
10	Financial Market & Career opportunities	Industry Expert Session	17.09.2018	NISM	Mr. Gokulnath Raja,		92		

					Asst.Manager, NISM, Chennai.				
11	B School Education in India	Guest lecture	01.08.2018		Dr. Mirza.S. Saiyadain,		48		

4. 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	EXIM Procedure and Documentation – expert session	19.02.2019	8,000	
2	Crescendo 2K19 - seminar	15.02.2019	2,09,311	
3	The role of Management & Technology in your career graph -- Guest lecture	31.01.2019	3,000	
4	Start-up Talk -- Guest lecture	24.01.2019	3,000	

5	Verbal Skills& Communication --expert session	09.01.2019	3,000	
6	Logistics and Supply Chain Management --expert session	08.01.2019 & 09.01.2019	8,000	
7	Market Research Today – Guest lecture	07.01.2019	3,000	
8	Opportunities in US Job Market -- expert session	24.09.2018	NIL	
9	Financial Market & Carrier opportunities --expert session	17.09.2018	NIL	
10	B School Education in India --expert session	01.08.2018	NIL	

5. Conferences / FDP / Seminars / Workshops Attended

S.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	M.Shanmugam	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil

2	N Anuradha	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
3	S Panboli	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
4	S Chandrika	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
5	T Rocky devi	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
6	D Asokk	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
7	Ansari Sarwar Alam	International HR Confab	International conference	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
8	J Hemalatha	International HR Confab	workshop	20.06.2019	B S A Crescent Institute of Science & Technology	Nil

9	Ansari Sarwar Alam	International HR Confab	workshop	20.06.2019	B S A Crescent Institute of Science & Technology	Nil
10	N Anuradha	Workshop on Rasberry Pi	workshop	03.04.2019	B S A Crescent Institute of Science & Technology	Nil
11	N Anuradha	Bid data Analytics using HADOOP	workshop	12.09.2018	B S A Crescent Institute of Science & Technology	
12	R Arun Prasad	Emotional intelligence	workshop	26.10.2019 to 27.10.2019	ICT Academy,	
13	R Arun Prasad	Bid data Analytics using HADOOP	workshop	12.09.2018	B S A Crescent Institute of Science & Technology	
14	M.Shanmugam	Bid data Analytics using HADOOP	workshop	12.09.2018	B S A Crescent Institute of Science & Technology	
15	J Hemalatha	Bid data Analytics using HADOOP	workshop	12.09.2018	B S A Crescent Institute of Science & Technology	
16	D Asokk	Introduction to	workshop	22.06.2019	IIT, Bombay	

		Python				
17	M.Shanmugam	Introduction to Python	workshop	22.06.2019	IIT, Bombay	
18	Ansari Sarwar Alam	Teaching Techniques	FDP	11.02.2019 to 12.02.2019	ICT Academy, B S A Crescent Institute of Science & Technology	Nil
19	Ansari Sarwar Alam	Start-up to Scale-up: Management and policy interventions	Intl conference	06.04.2019 to 07.04.2019	Aligar Muslim University	3000
20	N Anuradha	E learning & MOOCs in higher education	National seminar	09.03.2019	B S A Crescent Institute of Science & Technology	Nil
21	N Anuradha	Women Managers Convention - Reflections	Seminar	16.03.2019	MMA	Nil
22	S Panboli	Women Managers Convention	Seminar	16.03.2019	MMA	Nil
23	J Hemalatha	Women Managers Convention	Seminar	16.03.2019	MMA	Nil

24	S Chandrika	Women Managers Convention	Seminar	16.03.2019	MMA	Nil
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6. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

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	-	3	2	8

7. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- **International Journal& National Journal**
 - **SCI/Scopus Indexed Journal :**
 - **Other journals :**

Papers published:

1. Amir Ahmad Dar, N. Anuradha and Shahid Qadir, "Estimating probabilities of default of different firms and the statistical tests", Journal of Global Entrepreneurship Research, vol.9, No.27, pp.9-27, 2019
2. Takhellambam R Devi , ShanmugamMunuswamy, and Mohamed Jasim, "Factors influencing job burnout level: An empirical investigation on warehouse employees" International Public Health Journal, Vol. 11, No.2, pp:0-0, 2019

Accepted for publication:

1. Raed and Shanmugam, "Evaluating Nurses Perspective towards Service Quality and Patient Satisfaction in Private Hospitals: An Empirical Study", Indian journal of Public health research And development
2. Syed Azamussan and Shanmugam Munuswamy, " 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
3. Syed Azamussan, Shanmugam Munuswamy and Aravindh Kumaran Lekshmanaperumal, "The Impact of Socially Responsible Consumption on Customer Loyalty: Evidence from India" Pertanika Journal of Social Sciences and Humanities
4. Tisha Cherian & Shanmugam, "E-procurement practices to improve the efficiency of vendor transactions in Indian Cement Industries" in International Journal of Procurement Management.
5. Tisha Cherian & Shanmugam Munuswamy " Procurement practices among retailers in the construction industry: an empirical study in India" in International Journal of Construction Supply Chain Management.
6. Raed & Shanmugam "Evaluating Nurses' Perspective towards Service Quality and Patient Satisfaction in Private Hospitals: An Empirical Study in the Republic of Yemen". In communication with Indian journal of public health research and development

International Conference & National Conference

- **Conference with ISBN Proceedings :**
- **Other Conferences :**

Presented papers:

1. Tisha and Shanmugam, “Adoption of E-business in Construction Industry: A conceptual Model” in Intern. Conf. on Advancements In Technology Business And Management (ICATBM19), March 2019.
2. Madhyvadany & Panboli, “ A need based study on employee engagement in India with reference to service sector enterprises – reviews revisited” in international conference HR Confab 2019 on 20.06.2019

8. Details of Impact Factor Of The Publication and H-Index

A) Range : 6-36 B) Average : 18.8 C) H-Index : 4 D) No. In Scopus : 4

9. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1	Mohamed jasim k	AICTE	Copper Smelters and its Impact on the health of	-	-	-	-	Applied

			Downstream People, the Economic Livelihood of its Employees, and Waste Management System. The Case of Sterlite Copper in Tuticorin, Tamil Nadu					
2	N Anuradha		Impact of demonetization on Financial Inclusion in women headed families	-	-	-	-	Applied
3	S Panboli		Data Driven Techniques for Business Analytics using R Programming, Python and Tableau	-	-	-	-	Applied

10. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	SPSS	IBM	16.10.2018	2,52,038	yes	-

11. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Dr. M Shanmugam	UITM, Malaysia	Malaysia	MoU	23.05.2019 to 30.05.2019	MoU on process

12. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	MMA	Students training & empowerment program (STEP) on the topic – “Making My Path – Walking My Journey” on 7 th February 2019		10		Gp Cap. R Venkataraman		
2	MMA	Chapter inauguration on 13 th March 2019	7	111		Gp Cap. R Venkataraman		

3	MMA	Lecture on the topic “New Tenancy Act” on 3 rd April 2019		5		Ms. Aarthi		
4	MMA	Lecture on topic“Titan; Inside India’s most successful consumer Brand” on 14 th March 2019	1	16		Mr. Bhaskar Bhat		
5	MMA	Lecture on the topic “Doing Business in India (Investments vehicles, Legal” on 27 th March 2019		7		Mr. G V Ananda Bhushan		

13. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1	SIVET, Chennai	Academic & Research				Research papers	

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

1. Conferences / FDP / Seminars / Workshops Organized : 1

S. 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.	Awareness Programme on Careers in Physics (APCP-2019)	A career guidance for students to pursue MSc after completing BSc physics	07 th March 2019	NIL	1) Dr.Aruna Dhathathreyan Emeritus Scientist Faculty AcSIR, Adyar, Chennai – 600 020 2) Captain M. Anees Ahmed, Associate Professor & Head of the Department, The New College	10	20	5	125

					(autonomous), Royapettah, Chennai-600014				
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Inauguration of APCP-2019



Lecture-1 Academic career opportunities after completing undergraduate (U.G) in Physics
by **Dr.Aruna Dhathathreyan**



Lecture-2 Career guidance for preparation of competitive exams like CSIR-NET/JRF, GATE, SLET, JEST by **Captain M. Anees Ahmed**



ORAL presentations by Participants

2. 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.	Awareness Programme on Careers in Physics (APCP-2019)	7 th March 2019	BSACIST	An Institute funded programme to improve the number of MSc admission process at Crescent

3. Conferences / FDP / Seminars / Workshops Attended :

S.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.	Dr. R. Amiruddin	Delivered an invited talk at National level Seminar on Advanced Materials and Characterization	National level Seminar	26th October, 2018	Department of Physics PB Siddhartha College of Arts & Science, Vijayawada	NIL

4. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
NA-	NA-	4	NA-	NA-	NA-	68	--	72

5. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

•International Journal& National Journal

- **SCI/Scopus Indexed Journal : 68**
- **Other journals : 4**

List of research publications in Scopus Indexed journals

1. Vijayajayanthi M., Kanna T., Murali K., Lakshmanan M. (2018), "Harnessing energy-sharing collisions of Manakov solitons to implement universal NOR and or logic gates", Physical Review E, Vol. 97, no. 6, pp.---
2. Jawaher K.R., Indirajith R., Krishnan S., Robert R., Pasha S.K.K., Deshmukh K., Das S.J. (2018), "Hydrothermal synthesis of CeO₂/SnO₂ nanocomposites with highly enhanced gas sensing performance towards n-butanol", Journal of Science: Advanced Materials and Devices, Vol. 3, no. 2, pp.139-144

3. Deshmukh K., Basheer Ahamed M., Sankaran S., Khadheer Pasha S.K., Kumar Sadasivuni K., Ponnamma D., Al-Ali Almaadeed M. (2018), "Studies on the Mechanical, Morphological and Electrical Properties of Highly Dispersible Graphene Oxide Reinforced Polypyrrole and Polyvinylalcohol Blend Composites", *Materials Today: Proceedings*, Vol. 5, no. 2, pp.8744-8752
4. Chithra A., Raja Mohamed I. (2018), "Synchronization of two chaotic oscillators through threshold coupling", *Advances in Intelligent Systems and Computing*, Vol. 732, no. -, pp.241-247
5. Jamil Ahmad., Wajahat Ur Rehman., Kalim Deshmukh., Shaik Khadheer Basha., Basheer Ahamed., Kuppanna Chidambaram (2018), "Recent Advances in Poly (Amide-B-Ethylene) Based Membranes for Carbon Dioxide (CO₂) Capture: A Review", *Polymer-Plastics Technology and Engineering*, Vol. -, no. -, pp.1-18
6. Deepalekshmi Ponnamma., Hemalatha Parangusan., Alper Erturk., Kalim Deshmukh., M. Basheer Ahamed., Mariam Al Ali Al-Maadeed (2018), "Stretchable quaternary phasic PVDF-HFP nanocomposite films containing graphene-titania-SrTiO₃ for mechanical energy harvesting", *Emergent Materials*, Vol. 1, no. 1(2), pp.55-65
7. SK Jaganathan, JP Anthuvan, IBS Banu (2018), "Correction to: Synthesis, luminescent properties and energy transfer in Tb³⁺ and Eu³⁺ co-doped Li₃Ba₂Gd₃(MoO₄)₈ phosphors for W-LEDs", *Journal of Materials Science Materials in Electronics*, Vol. -, no. -, pp.---
8. M Suresh Kumar, GV Vijayaraghavan, S Krishnan (2018), "Linear Optical Studies of Nonlinear Optical Glycine-Phthalic Acid Single Crystal", *INTERNATIONAL JOURNAL OF CURRENT RESEARCH AND REVIEW*, Vol. 10, no. 21, pp.103-105
9. Lokanatha Reddy P., Deshmukh K., Chidambaram K., Ahamed B., Sadasivuni K.K., Ponnamma D., Lakshmi pathy R., Dayananda D., Khadheer Pasha S.K. (2019), "Effect of poly ethylene glycol (PEG) on structural, thermal and photoluminescence properties of CdO nanoparticles for optoelectronic applications", *Materials Today: Proceedings*,

Vol. 9, no. -, pp.175-183

10. Mohanapriya M.K., Deshmukh K., Sadasivuni K.K., Thangamani G., Chidambaram K., Basheer Ahamed M., Khadheer Pasha S.K. (2019), "Enhanced quality factor of polyvinyl formal (PVF) based nanocomposites filled with zinc oxide and carbon black nanoparticles for wireless sensing applications", *Materials Today: Proceedings*, Vol. 9, no. -, pp.199-216
11. Ikram Un Nabi Lone., M. Mohamed Sheik Sirajuddeen (2019), "First-principles investigation of electronic, magnetic and half-metallic properties in Cr_{1-x}PdxP (x = 0.125, 0.25 and 0.375): A spin flip behavior", *The European Physical Journal Plus*, Vol. 134, no. 5, pp.223-
12. (2019), "Shape Memory Polymer Composites in Biomedical Field", *Polymer Nanocomposites in Biomedical Engineering*, Vol. , no. , pp.299-329
13. (2019), "Amorphous and Semicrystalline Thermoplastic Polymer Nanocomposites Applied in Biomedical Engineering", *Polymer Nanocomposites in Biomedical Engineering*, Vol. , no. , pp.57-84
14. (2019), "Electrospun Polymeric Nanofibers: Fundamental Aspects of Electrospinning Processes, Optimization of Electrospinning Parameters, Properties, and Applications", *Polymer Nanocomposites in Biomedical Engineering*, Vol. , no. , pp.375-409
15. (2019), "Processing and Industrial Applications of Sustainable Nanocomposites Containing Nanofillers", *Sustainable Polymer Composites and Nanocomposites*, Vol. , no. , pp.451-478
16. (2018), "Investigation of half-metallic ferromagnetism in Hafnium and Tantalum doped NiO for spintronic applications: A DFT study", *Current Applied Physics*, Vol. , no. , pp.1-16
17. (2019), "AN INTEGRATED DYNAMIC VOLTAGE RESTORER-ULTRA CAPACITOR DESIGN FOR IMPROVING POWER QUALITY ", *Journal of Emerging Technologies and Innovative Research*, Vol. 6, no. 3, pp.491-497
18. (2019), "MXenes Composites", *Materials Research Foundations*, Vol. 51, no. , pp.105-136

19. (2019), "Green synthesized materials for sensor, actuator, energy storage and energy generation: a review", POLYMER PLASTICS TECHNOLOGY AND MATERIALS, Vol. , no. , pp.1-62
20. Aqib Muzaffar., Keerthana Muthusamy., M. Basheer Ahamed (2019), "Ferrous Nitrateâ€“Nickel Oxide (Fe(NO₃)₂â€“NiO) Nanospheres Incorporated With Carbon Black and Polyvinylidene fluoride for Supercapacitor Applications", Journal of Electrochemical Energy Conversion and Storage, Vol. 16, no. 3, pp.6-6
21. Rajendra S. Dongre., Kishor Kumar Sadasivuni., Kalim Deshmukh., Akansha Mehta., Soumen Basu., Jostna S. Meshram., Mariam Al Ali Al-Maadeed., Alamgir Karim (2019), "Natural polymer based composite membranes for water purification: a review", Journal Polymer-Plastics Technology and Materials, Vol. -, no. -, pp.1-16
22. P. Komalavalli., I. B. Shameem Banu., M. Shahid Anwar (2019), "Magnetolectric coupling of manganese ferriteâ€“potassium niobate lead-free composite ceramics synthesized by solid state reaction method", Journal of Materials Science: Materials in Electronics, Vol. 30, no. 4, pp.3411-3417
23. Ismail A.S., Mamat M.H., Malek M.F., Yusoff M.M., Sin N.D.M., Shariffudin S.S., Zoolfakar A.S., Suriani A.B., Ahmad M.K., Shameem Banu I.B., Rusop M. (2018), "Intrinsic ZnO/Al-doped ZnO homojunction: Structural and optical properties", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 12, no. 1, pp.393-398
24. Parimon N., Mamat M.H., Abdullah M.A.R., Ismail A.S., Ahmad W.R.W., Banu I.B.S., Rusop M. (2018), "Nanocarnation-like nickel oxide thin film: Structural and optical properties", International Journal of Engineering and Technology(UAE), Vol. 7, no. 4, pp.103-106
25. Kishor Kumar Sadasivuni., John-John Cabibihan., Kalim Deshmukh., Solleti Goutham., Mohammad Khaleel Abubasha., Jyoti Prasad Gogoi., Igors Klemenoks., Gita Sakale., Bhogilla Satya Sekhar., P. S. Rama Sreekanth., Kalagadda Venkateswara Rao., Maris Knite (2018), "A review on porous polymer composite materials for multifunctional electronic applications", Polymer-Plastics Technology and Materials, Vol. -, no. -, pp.1-42

26. S. Divya Lakshmi., I B. Shameem Banu (2019), "Tailoring the multiferroic properties of BiFeO₃ by co-doping Er at Bi site with aliovalent Nb, Mn and Mo at Fe site", International Journal of Applied Ceramic Technology, Vol. -, no. -, pp.1-28
27. (2018), "Fabrication of Nickel Oxide Nanowall Network Films at Different Annealing Temperatures for Humidity Sensing Applications ", International Journal of Engineering and Technology, Vol. 7, no. 4.18, pp.277-282
28. Chidambara Kumar K.N., Khadeer Pasha S.K., Deshmukh K., Chidambaram K., Shakil Muhammad G. (2018), "Optical Analysis of Iron-Doped Lead Sulfide Thin Films for Opto-Electronic Applications", International Journal of Nanoscience, Vol. 17, no. 43102, pp.---
29. Titus Samuel Sudandararaj A., Sathish Kumar G., Dhivya M., Eithiraj R.D., Banu I.B.S. (2019), "Band structure calculation and rietveld refinement of nanoscale GdFeO₃ with affirmation of Jahn Teller's distortion on electric and magnetic properties", Journal of Alloys and Compounds, Vol. 783, no. -, pp.393-398
30. Rizwana R., Raja Mohamed I. (2018), "Strange nonchaotic dynamics of parametrically enhanced MLC circuit", Journal of Computational Electronics, Vol. -, no. -, pp.1-6
31. D. Kanimozhi., R. Indirajith (2019), "Effects of L-Cysteine in Zinc Bis Thiourea Acetate (ZBTA) Crystal Lattice", Journal of Electronic Materials, Vol. -, no. -, pp.1-9
32. Thangamani G.J., Deshmukh K., Chidambaram K., Ahamed M.B., Sadasivuni K.K., Ponnamma D., Faisal M., Nambiraj N.A., Pasha S.K.K. (2018), "Influence of CuO nanoparticles and graphene nanoplatelets on the sensing behaviour of poly(vinyl alcohol) nanocomposites for the detection of ethanol and propanol vapors", Journal of Materials Science: Materials in Electronics, Vol. 29, no. 6, pp.5186-5205
33. Ismail A.S., Mamat M.H., Shameem Banu I.B., Malek M.F., Yusoff M.M., Mohamed R., Ahmad W.R.W., Abdullah M.A.R., Md. Sin N.D., Suriani A.B., Ahmad M.K., Rusop M. (2018), "Modulation of Sn concentration in ZnO nanorod

- array: intensification on the conductivity and humidity sensing properties", Journal of Materials Science: Materials in Electronics, Vol. 29, no. 14, pp.12076-12088
34. Justin P., Anitha K., Ahamed M.B., Vijayaraghavan G.V. (2019), "Enhanced piezoelectric, optical, mechanical, and laser damage threshold studies on creatinine doped glycine single crystals", Journal of Materials Science: Materials in Electronics, Vol. -, no. -, pp.---
35. Kanimozhi D., Indirajith R. (2019), "Effects of optical and dielectric properties of l-cysteine doped tris thiourea zinc sulphate single crystals", Journal of Materials Science: Materials in Electronics, Vol. -, no. -, pp.---
36. D. Kanimozhi., S. Nandhini., R. Indirajith (2019), "Effects of dyes in the growth, optical, mechanical and dielectric properties of KDP crystals", Journal of Materials Science: Materials in Electronics, Vol. -, no. -, pp.1-12
37. (2019), "Structural, optical, and electrical evolution of sol-gel-immersion grown nickel oxide nanosheet array films on aluminium doping ", Journal of Materials Science: Materials in Electronics, Vol. , no. , pp.1-15
38. P. Lokanatha Reddy., Kalim Deshmukh., K. Chidambaram., Mohammad M. Nazeer Ali., Kishor Kumar Sadasivuni., Y. Ravi Kumar., R. Lakshmi pathy., S. K. Khadheer Pasha., Zameer Gulzar., L. Arun Raj., A. Anny Leema (2019), "Dielectric properties of polyvinyl alcohol (PVA) nanocomposites filled with green synthesized zinc sulphide (ZnS) nanoparticles", Journal of Materials Science: Materials in Electronics, Vol. 30, no. 5, pp.4676-4687
39. Sadasivuni K.K., Deshmukh K., Ahipa T.N., Muzaffar A., Ahamed M.B., Pasha S.K.K., Al-Maadeed M.A.-A. (2018), "Flexible, biodegradable and recyclable solar cells: a review", Journal of Materials Science: Materials in Electronics, Vol. -, no. -, pp.---
40. Yusoff M.M., Mamat M.H., Ismail A.S., Malek M.F., Zoofakar A.S., Suriani A.B., Ahmad M.K., Nayan N., Shameem Banu I.B., Rusop M. (2018), "Low-temperature-dependent growth of titanium dioxide nanorod arrays in an improved aqueous chemical growth method for photoelectrochemical ultraviolet sensing", Journal of Materials Science:

Materials in Electronics, Vol. -, no. -, pp.---

41. Komalavalli P., Shameem Banu I.B., Anwar M.S. (2019), "Magnetolectric coupling of manganese ferriteâ€”potassium niobate lead-free composite ceramics synthesized by solid state reaction method", Journal of Materials Science: Materials in Electronics, Vol. -, no. -, pp.---
42. Jaganathan S.K., Peter A.J., Mahalingam V., Krishnan R. (2018), "Synthesis and luminescence properties of LiGd₃(MoO₄)₅:Eu³⁺ phosphors for white LED applications", Journal of Materials Science: Materials in Electronics, Vol. -, no. -, pp.---
43. Joseph J., Deshmukh K., Chidambaram K., Faisal M., Selvarajan E., Sadasivuni K.K., Ahamed M.B., Pasha S.K.K. (2018), "Dielectric and electromagnetic interference shielding properties of germanium dioxide nanoparticle reinforced poly(vinyl chloride) and poly(methylmethacrylate) blend nanocomposites", Journal of Materials Science: Materials in Electronics, Vol. 29, no. 23, pp.20172-20188
44. Jawaher KR., Robert R., Pasha SKK., Deshmukh K., Sastikumar D., Das SJ., Krishnan S., Indirajith R (2018), "A High Sensitivity Isopropanol Vapor Sensor Based on Cr₂O₃-SnO₂ Heterojunction Nanocomposites via Chemical Precipitation Route.", Journal of Nanoscience and Nanotechnology, Vol. 18, no. 8, pp.5454-5460
45. K Rackesh Jawaher, R Indirajith, S Krishnan, R Robert, S K Khadheer Pasha, Kalim Deshmukh, D Sastikumar, S Jerome Das (2018), "High Sensitivity Isopropanol Vapor Sensor Based onCr₂O₃â€”SnO₂ Heterojunction Nanocomposites viaChemical Precipitation Route", Journal of Nanoscience and Nanotechnology, Vol. 18, no. 8, pp.5454-5460
46. Lakshmi S.D., Banu I.B.S. (2018), "Multiferroism and magnetolectric coupling in single-phase Yb and X (X = Nb, Mn, Mo) co-doped BiFeO₃ ceramics", Journal of Sol-Gel Science and Technology, Vol. -, no. -, pp.---
47. Lone I.U.N., Sirajuddeen M.M.S. (2018), "Half metallic ferromagnetism in gallium and zinc doped chromium

- phosphide: First principles calculations", *Materials Chemistry and Physics*, Vol. 203, no. -, pp.65-72
48. Lone I.U.N., Sirajuddeen M.M.S., Rubab S. (2019), "A comparison study of the structural, electronic and magnetic properties in zinc-blende $Pt_xCr_{1-x}P$ and $Rh_xCr_{1-x}P$ ($x=0.125, 0.25$), and half-Heusler $XCrP$ ($X=Pt, Rh$): First principles calculations", *Materials Chemistry and Physics*, Vol. 230, no. -, pp.151-161
49. Muzaffar A., Ahamed M.B., Deshmukh K., Faisal M., Pasha S.K.K. (2018), "Enhanced electromagnetic absorption in NiO and BaTiO₃ based polyvinylidene fluoride nanocomposites", *Materials Letters*, Vol. 218, no. -, pp.217-220
50. Abdullah M.A.R., Mamat M.H., Ismail A.S., Malek M.F., Suriani A.B., Ahmad M.K., Shameem Banu I.B., Amiruddin R., Rusop M. (2019), "Direct and seedless growth of Nickel Oxide nanosheet architectures on ITO using a novel solution immersion method", *Materials Letters*, Vol. 236, no. -, pp.460-464
51. R.G Geethu Mani., G.V Vijayaraghavan., M Basheer Ahamed (2019), "Solid state distributed feedback laser using eosin blue dye", *Materials Research Express*, Vol. -, no. -, pp.---
52. Suresh Kumar M., Rajesh K., Vijayaraghavan G.V., Krishnan S. (2018), "Growth, structural and mechanical studies of phthalic acid single crystals grown in two different solutions", *Materials Research Express*, Vol. 5, no. 11, pp.---
53. Ponnamma D., Cabibihan J.-J., Rajan M., Pethaiah S.S., Deshmukh K., Gogoi J.P., Pasha S.K.K., Ahamed M.B., Krishnegowda J., Chandrashekar B.N., Polu A.R., Cheng C. (2019), "Synthesis, optimization and applications of ZnO/polymer nanocomposites", *Materials Science and Engineering C*, Vol. 98, no. -, pp.1210-1240
54. Ismail A.S., Mamat M.H., Shameem Banu I.B., Amiruddin R., Malek M.F., Parimon N., Zoolfakar A.S., Md. Sin N.D., Suriani A.B., Ahmad M.K., Rusop M. (2019), "Structural modification of ZnO nanorod array through Fe-doping: Ramification on UV and humidity sensing properties", *Nano-Structures and Nano-Objects*, Vol. 18, no. -, pp.---
55. R.G. G.M., Basheer Ahamed M. (2018), "Energy transfer studies for the liquid and solid state materials of Rhodamine B and Styryl 7 Dye", *Optik - International Journal for Light and Electron Optics*, Vol. 154, no. -, pp.566-575

56. Muthusamy K., Muzaffar A., M. B.A. (2019), "Synthesis and characterization of Fe(NO₃)₂-NiO composite as a photocatalyst for degradation of methylene blue dye under UV-irradiation", *Optik*, Vol. 177, no. -, pp.36-45
57. Rajesh R., John Ethilton S., Ramachandran K., Ramesh Kumar K., Vadla S.S., Shameem Banu I.B. (2018), "Effect of Sr doping on the magnetocapacitive effect in Bi_{0.6}Sr_{0.4}FeO₃ polycrystalline ceramics", *Applied Physics A: Materials Science and Processing*, Vol. 124, no. 8, pp.---
58. Thahirunnisa S.R., Shameem Banu I.B. (2018), "Optical properties of novel ASiP₂ (A=Ca, Sr) chalcopyrites: first-principle study", *Applied Physics A: Materials Science and Processing*, Vol. 124, no. 12, pp.---
59. Sankaran S., Deshmukh K., Ahamed M.B., Sadasivuni K.K., Faisal M., Pasha S.K.K. (2018), "Electrical and Electromagnetic Interference (EMI) shielding properties of hexagonal boron nitride nanoparticles reinforced polyvinylidene fluoride nanocomposite films", *Polymer - Plastics Technology and Engineering*, Vol. -, no. -, pp.---
60. (2019), "Electromagnetic interference shielding properties of polyvinylchloride (PVC), barium titanate (BaTiO₃) and nickel oxide (NiO) based nanocomposites", *Polymer Testing*, Vol. 77, no. , pp.1-7
61. Jawaher K.R., Indirajith R., Krishnan S., Robert R., Das S.J. (2018), "Quantum chemical calculations of Cr₂O₃/SnO₂ using density functional theory method", *Pramana - Journal of Physics*, Vol. 90, no. 3, pp.---
62. Rizwana R., Raja Mohamed I. (2018), "Applicability of strange nonchaotic Wien-bridge oscillators for secure communication", *Pramana - Journal of Physics*, Vol. 91, no. 1, pp.---
63. Muzaffar A., Ahamed M.B., Deshmukh K., Thirumalai J. (2019), "A review on recent advances in hybrid supercapacitors: Design, fabrication and applications", *Renewable and Sustainable Energy Reviews*, Vol. 101, no. -, pp.123-145
64. Kumar M.S., Rajesh K., Vijayaraghavan G.V., Krishnan S. (2018), "Structural and mechanical properties of diglycine perchlorate single crystals", *Materials Science- Poland*, Vol. -, no. -, pp.---

65. Muzaffar A., Ahamed M.B. (2019), "Iron molybdate and manganese dioxide microrods as a hybrid structure for high-performance supercapacitor applications", *Ceramics International*, Vol. 45, no. 3, pp.4009-4015
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67. Teli N.A., Mohamed Sheik Sirajuddeen M. (2019), "Half-metallic ferromagnetism in Tc and Ag doped MgO: An ab-initio study", *Computational Condensed Matter*, Vol. 20, no. -, pp.---
68. Sankaran Sowmya., Deshmukh Kalim., Ahamed M. Basheer., Pasha S. K. Khadheer., Sadasivuni Kishor Kumar., Ponnamma Deepalekshmi., AlMaadeed Mariam Al-Ali., Chidambaram K (2018), "Investigation on the Electrical Properties of Lithium Ion Conducting Polymer Electrolyte Films Based on Biodegradable Polymer Blends", *Advanced Science Letters*, Vol. 24, no. 8, pp.5496-5502

• **International Conference & National Conference**

1. K.Murali., I. RajaMohamed (2018), "Chaos in certain second-order non-autonomous circuits", *Conference on Nonlinear Systems and Dynamics (CNSD)*, Vol. -, no. -, pp.---
2. Komalavalli P., Banu I.B.S. (2019), "Investigation of multiferroic properties in nickel ferrite -barium titanate nanocomposites at room temperature", *Proceedings of the IEEE International Conference on "Recent Trends in Electrical, Control and Communication"*, RTECC 2018, Vol. -, no. -, pp.83-86

		SERB	Graphene and Metal Nanoparticles Reinforced Flexible Polymer nanocomposites for Effective Electromagnetic Interference (EMI) Shielding Applications				(including Bank interest of 32,705/-)	
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8. Sponsored Research (Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned (in lakhs)	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1.	Dr. R. Amiruddin (Mentor) and	DST-Women Scientists Scheme	Fabrication and characterization of organic-inorganic	20.6 (applied on 31 st March,	-NA-	-NA-	-NA-	Applied

	Ms. Shazia Shanaz, (Principal Investigator, Research Scholar, Physics)	(WOS-A)	hybrid photodiodes with intrinsic multiferroic layers	2019)				
2.	Dr. D.Easwaramoorthy Dr. Basheer Ahmed Dr. S.Kutti Rani Dr. M.Asha Jhonsi Dr.M.Md.Sheik Sirajuddeen Dr. R. Amiruddin	DST-FIST Physical Sciences Level I II or III	Project Proposal On FIST- PROJECT	222.5 (applied on 15 th May 2019)	-NA-	-NA-	-NA-	Applied
3.	Dr. R. Amiruddin	Teachers Associateship For Research Excellence (TARE) - SERB	Fabrication of n- ZnO nanowires/p- polymer hybrid junctions for hazardous gas detection applications	15.00 (applied on 21 st May 2019)	-NA-	-NA-	-NA-	Applied
4.	Dr. R. Amiruddin	Tamil Nadu	Fabrication and	5	-NA-	-NA-	-NA-	Applied

		State Council for Science and Technology	characterization of plasmonic metal nanoparticles embedded ZnO nanowires/polymer hybrid junction solar cells	(applied 18 th February 2019)				
5.	Dr. R. Amiruddin	Start-up Research Grant-SERB	An investigation of new generation 2-D materials and fabrication of UV-Visible photodetectors	27.02 (applied on 3 rd May 2019)	-NA-	-NA-	-NA-	Applied
6.	Dr.M.Md.Sheik Sirajuddeen	DST SERB	Investigation of half metallic ferromagnetism in oxides of alkali earth and transition metals-A DFT perspective	26.23 (applied on 30 th June 2019)	-	-	-	Applied

9. 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.	Non linear testing using Nd-YAG laser	-	31/12/2018	1,26,500/-	Dr.M.Basheer Ahamed Dr. G. Vijayaragavan	completed

10. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1.	Dielectric impedance analyzer with heating furnace(DST project)	NEWTONS 4 TH LTD., UK-MAKE	20/12/2018	8,24,500/-	Dielectric impedance analyzer with heating furnace(DST project)	

11. Book chapters : 9

1. (2019), "Polymer Nanocomposites in Biomedical Engineering", Polymer Nanocomposites in Biomedical Engineering, Vol. , no. , pp.57-84
2. Kishor Kumar Sadasivuni., Deepalekshmi Ponnamma., Mariappan Rajan., Basheer Ahmed., Al-Maadeed Mariam Ali S A (2019), "Polymer Nanocomposites in Biomedical Engineering", Lecture Notes in Bioengineering, Vol. -, no. -, pp.---
3. Khadija Zadeh., Sadiya Waseem., Kishor Kumar Sadasivun., Kalim Deshmukh., Aqib Muzaffar., M. Basheer Ahamed., Mariam Al-Ali AlMaadeed (2019), "Processing and Industrial Applications of Sustainable Nanocomposites Containing Nanofillers", Sustainable Polymer Composites and Nanocomposites, Vol. -, no. -, pp.451-478
4. Jenifer Joseph., Tran Tung., K. Chidambaram., Kalim Deshmukh., S. K. Khadheer Pasha (2019), "3D Printing Technology of Polymer Composites and Hydrogels for Artificial Skin Tissue Implementations", Lecture Notes in Bioengineering, Vol. -, no. -, pp.205-233
5. Sowmya Sankaran., Kalim Deshmukh., M. Basheer Ahamed., S. K. Khadheer Pasha (2019), "Electrospun Polymeric Nanofibers: Fundamental Aspects of Electrospinning Processes, Optimization of Electrospinning Parameters, Properties, and Applications", Lecture Notes in Bioengineering, Vol. -, no. -, pp.375-409
6. S. S. M. Abdul Majeed., Aqib Muzaffar., Kalim Deshmukh., M. Basheer Ahamed (2019), "Amorphous and Semicrystalline Thermoplastic Polymer Nanocomposites Applied in Biomedical Engineering", Lecture Notes in Bioengineering, Vol. -, no. -, pp.57-84
7. Aqib Muzaffar., Kalim Deshmukh., M. Basheer Ahamed., S. K. Khadheer Pasha (2019), "Shape Memory Polymer Composites in Biomedical Field", Lecture Notes in Bioengineering, Vol. -, no. -, pp.299-329
8. Kalim Deshmukh., Sowmya Sankaran., M. Basheer Ahamed., S. K. Khadheer Pasha (2019), "Biomedical Applications of Electrospun Polymer Composite Nanofibres", Lecture Notes in Bioengineering, Vol. -, no. -, pp.111-165

9. Sadasivuni K.K., Rattan S., Deshmukh K., Muzaffar A., Basheer Ahamed M., Khadheer Pasha S.K., Mazumdar P., Waseem S., Grohens Y., Kumar B. (2019), "CHAPTER 12: Hybrid Nano-filler for Value Added Rubber Compounds for Recycling", RSC Green Chemistry, Vol. 2019-January, no. 59, pp.310-329

International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Thowfiq Basha,j M.Sc final year (2016 Batch)	Internship-JETRO, Japan	Japan	Internship	Nov 2018	Completed and employed in the same company in India

Important Remarks: Completed and employed in the same company in India

Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr.M.Basheer Ahamed	Reviewer Certificate-2 nos.	Elsevier	Nov 2018, March 2019
2	Dr. I.B. Shammem Banu	Reviwer certificate-1 no.	Wiley	2018



REVIEWER CERTIFICATE
International Journal of
Applied Ceramic Technology

THIS CERTIFICATE IS AWARDED TO
SHAMEEM BANU I. B.

WE HEREBY NOTIFY THAT THE PERSON ABOVE HAS BEEN SERVING AS A REVIEWER OF
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY.

WE ARE GRATEFUL TO SHAMEEM BANU I. B. FOR REVIEWING 2 MANUSCRIPTS IN 2018.

Hua-Tay Lin and Monica Ferraris
 Editors-in-Chief
 4 July 2019

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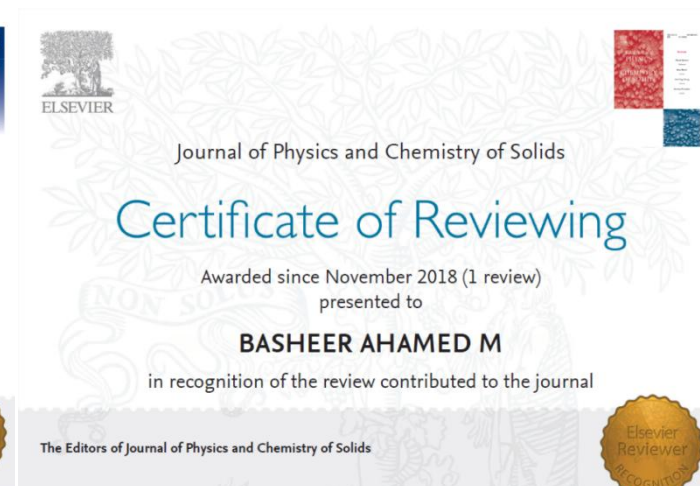
Certificate of Reviewing

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The Editors of Journal of Physics and Chemistry of Solids

Elsevier Reviewer Recognition

Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Prof. Mohamed Hafiz Bin Mamat,	Head-Nano Electronic centre, Faculty of Electrical Engineering, Universiti Teknologi Mara (UiTM), Malaysia	Collaborative Project for six months from July to Jan'2019	Completed- Published 4 research papers
2	Dr V Masilamani	Distinguished Prof. Laser Physics KSU Research Chair in Laser Diagnosis of Cancers King Saud Univ Riyadh, KSA	Presented a guest lecture on the topic " <i>Resonator-less lasers from Macro and Nano particles</i> " on 18-01-19 for M.Sc(Physics) and Research Scholars	The students have gained knowledge in Resonator-less lasers from nanoparticles which will be helpful to them to pursue research in this area.

DEPARTMENT OF CHEMISTRY

1. Value Added Programmes Conducted :01

S.No	Name of the programme	Duration (From – To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Hands on experience on Synthesis and Characterisation of Materials		30	Nil	18		

Important Remarks: The students are trained to interpret the spectral data and identified the structure of the given analyte

2. Interdisciplinary Programmes Conducted: 02

S.No	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1	Two day workshop on Electrochemical Corrosion Theory of hands on training during 7 -8 th Sep 2018 at BSAU Sponsored by NACE	School of Infrastructure	50	30	20	Collaboration of research work on corrosion

2	National Science Day	Department of Physics	80	26		
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3. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1	M.Sc Chemistry	I	A	50	Dr.Bhagavathy	M/S Nuray Chemicals PVT, Tiruvallur	27.02.19	Highly useful for the students in terms of practical knowledge. useful for them to find placement opportunities in such industries.
2	M.Sc Chemistry	III	A	50	Dr.J. Herbert Mabel	M/S Sakthi Engineers Nagalkeni, Chennai 600044	15.04.19	Useful for the students to enrich their knowledge in the field of Polymer Chemistry.

4. Conferences / FDP / Seminars / Workshops Organized

S. 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	Sustainable Environment	International Seminar	December 10-11, 2018	BSACIST	1) Dr. Gordana Medunic, Associate Professor, Department of Geology, University of Zagreb, Croatia and 2) Dr. Hafiz Bin Mamat, Associate Professor, Department of Electrical Engineering, University Institute of Technology Mara, Malaysia	20	60	30	60
2	Awareness programme	workshop	26 th Feb 2019		Dr.K. Parthasarathy Research Officer,	14	62	05	248

					Department of Chemistry, Siddha Central Research Institute, Arumbakkam, Chennai				
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Important Remarks: Process of execution of MOU with Department of Geology, University of Zagreb, Croatia is in progress
Initiated to do collaborative work with Siddha Central Research Institute, Chennai

5. 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 (rupees)	Remarks
1	International Seminar on Sustainable Environment	December 10-11, 2018	40,000	To establish working MOU between the host institutes
2	Awareness programme	26 th feb 2019	50,000	B.Sc students are inspired to join in our PG programme

6. Conferences / FDP / Seminars / Workshops Attended

S.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	Dr.S.Kutti Rani	Corrosion inhibition & Its Applications on 8 th Sep 2018.	Workshop on Electrochemical Corrosion Theory of hands on training	7 -8 th Sep 2018	BSAU	Sponsored by NACE
2	Dr.S.Kutti Rani	AICTE Induction Programme for Ist B.Tech Students	Induction Programme	July 2018	BSAU	
3	Mr.V.Srinivasan	An interdisciplinary Approach in Characterization and application of Nano Materials (IACANM – 2018)	Workshop	1 st to 10 th August 2018	University of Kalyani ,Kalyani West Bengal	

4	Dr.Asha Jhonsi Mr.V.Srinivasan, Ms.Thulasi	Photoluminescence and functional Material(NWPFM - 2019)	workshop	20 – 21 “ June 2019	Department of Inorganic chemistry & National centre for ultrafast processes,Univers ity of Madras, Chennai
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7. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
	17		13			29	-	29

List of Publications (January 2018 –December 2018)

1. Sivakalai Mayakrishnan, Yuvaraj Arun, Narayanan Uma Maheswari and **Paramasivan Thirumalai Perumal**, Rhodium(III)-catalysed decarbonylative annulations through C–H activation: expedient access to aminoisocoumarins by weak coordination, *Chem. Commun.*, 2018, 54, 11889.

2. P. Kannan, S. I. Davis Presely, N. Prakash, **D. Easwaramoorthy** A novel method for the synthesis of racemic pregabalin, baclofen and 3-phenibut involving Lossen rearrangement, , *Indian Journal of Heterocyclic Chemistry*, 2018, 28, 275-278.
3. P. Kannan, S. I. Davis Presely, P. Shanmugasundaram, N. Prakash, **D. Easwaramoorthy** An efficient and improved process for the synthesis of itopride hydrochloride and trimethobenzamide hydrochloride, , *Current Organic Synthesis*, 2018, 15, 1-4.
4. [D. Gangaprasad](#), [J. Paul Raj](#), [K. Karthikeyan](#), [R. Rengasamy](#), [J. Elangovan](#), An Efficient One-Pot Synthesis of 1,2,3-Triazole-Fused Chromenes/Quinolines via Oxidative [3+2] Cycloaddition followed by Reductive Cyclization, *Adv. Synth. Cat.* 2018, 360, 4485-4490.
5. [J. Paul Raj](#), [D. Gangaprasad](#), [K. Karthikeyan](#), [R. Rengasamy](#), [M. Kesavan](#), [M. Venkateswarulu](#), [M. Vajiravel](#) and [J. Elangovan](#) A new route to synthesis of substituted pyrazoles through oxidative [3+2] cycloaddition of electron deficient alkenes and diazocarbonyl compounds , *Tetrahedron Lett.* 2018, 59, 4462-4465.
6. V. Srinivasan, **M. Asha Jhonsi**, M. Kathiresan, A. Kathiravan Nanostructured Graphene Oxide Dots: Synthesis, characterization, photoinduced electro transfer studies and detection of explosives/biomolecules, , *ACS Omega*, 2018, 3, 9096-9104
7. Devaraj Somasundaram, Kalpattu K. Balasubramanian, **Bhagavathy** Shanmugasundaram,, Simple and Mild Stereoselective O-Glycosidation using 1,2-Anhydrosugars Under Neutral Conditions, [Tetrahedron Letters](#), 2019, 60, 764-767
8. **P. Revathi**, V. Hari Shankar, Incorporation of COF-LUZ-1 into the terpolyimide matrix to obtain COF-LUZ-1/Terpolyimide composites with ultra-low dielectric constant, *Journal of Engineering and Science*, 2019, 59, 814-820.
9. Cindy Dias, **Nagamalai Vasimalai**, Marisa P. Sárria, Ivone Pinheir, Vânia Vilas-Boas, João Peixoto and Begoña Espiña, Biocompatibility and Bioimaging Potential of Fruit-Based Carbon Dots, *Nanomaterials* **2019**, 9(2), 199.

10. K. Andiappan, A. Sanmugam, **Easwaramoorthy. D.**, K. Karuppasamy, H.-S. Kim, D. Virkraman, Schiff base rare earth metal complexes: Studies on functional, optical and thermal properties and assessment of antibacterial activity, *International Journal of Biological Macromolecules*, 2019, 124, 403-410.
11. V. Srinivasan, **M. Asha Jhonsi**, A. Kathiravan, M. Ashokkumar Fuel waste to fluorescent carbon dots and its multifarious applications, *Sensors & Actuators B. Chemical*, 2019, 282, 972-983.
12. Deviga Magadevan, Egambaram Dhivya, Noor Danish Ahrar Mundari, Trilochan Mishra, **Noor Aman**, Development of novel TiO₂-Cu₂(OH)PO₄ heterojunction as nanophotocatalyst for improved Cr (VI) reduction, *Journal of Environmental Chemical Engineering*, 2019, 7, 102968.
13. Meenakshi Ramalingam, Chandru Mani, Sundar Manickam, **Kutti Rani Srinivasalu**, N-Doped Carbon Wrapped Polyoxometalate Derived from POMIL Hybrid: A Heterogeneous Catalyst for the Synthesis of Coumarin Derivatives under Solvent-Free Conditions, *Eur. J. Inorg. Chem*, 2019, 1904-1910.
14. R Saai Harini, **D. Easwaramoorthy**, V. Sai Muthukumar, R. Gowrishankar, Bandgap engineered (tin & carbon co-doped) bismuth titanate nanowires for improved visible-light assisted photocatalytic application, [*Environmental Nanotechnology, Monitoring & Management*](#), 2019, 12, 100228.
15. R Saai Harini, **D. Easwaramoorthy**, M Chandru, S. Kutti Rani, Enhanced visible light photocatalytic performance of sulfur doped nano bismuth titanate semiconductor, [*Materials Research Express*](#), 2019, 6, 075914.
16. K. Thirumalai, G. Ida, K. Selvakumar, **D. Easwaramoorthy**, and M. Swaminathan Light Driven Activated Charcoal Supported Bi₂O₃-ZnO Nanocomposites; Hydrothermal Synthesis and Their Enhanced Photocatalytic and Self Cleaning Applications, *UV-A. J. Nanosci. Nanotechnol.* 19, 5089-5099, 2019.
17. G. Ida K. Thirumalai, K. Selvakumar, **D. Easwaramoorthy**, and M. Swaminathan, Photocatalytic activity of Natural clay Bentonite supported ZnWO₄, (Article Id: IJCA-2245)" *Indian Journal of Chemistry, Sec-A*, In press 2019.

18. Bharath Kasi, **Vajjiravel Murugesan**, N Kaliaperumal, Super acid-catalyzed polymerization of phenothiazine and modified isatin, *Applied Petrochemical Research*, 2019, 1-10.
19. E Marimuthu, **Vajjiravel Murugesan**, Influence of ultrasound on multi-site phase transfer catalyzed polymerization of *N*-vinyl carbazole in two phase system, *SN Applied Sciences*, 2019, 1 (6), 638.
20. K Swathi, **Vajjiravel Murugesan**, K Bhattacharyya, TK Mukhopadhyay, A Datta, KS Narayan, A solution processed ultra-thin molecular dielectric for organic field-effect transistors, *ACS Applied Electronic Materials*, 2019, 1, 4, 485-493.
21. M. Chandru, R. Logesh, **S. KuttiRani**, Neesar Ahmed, **N. Vasimalai**, One-pot green route synthesis of silver nanoparticles from jack fruit seeds and their antibacterial activities with escherichia coli and salmonella bacteria, *Biocatalysis and Agricultural Biotechnology*, 2019 (In Press)
22. P. Shanmugasundarama, Kumar SahSaroj, Rasool Ubaid, S. Mahasampath Gowri, **D. Easwaramoorthy**, S. Hemalatha, Novel curcumin analogs act as antagonists to control nosocomial infection causing *Pseudomonas aeruginosa*, *Biocatalysis and Agricultural Biotechnology*, 2019 (In Press)
23. Venkatesan Srinivasan, **Mariadoss Asha Jhonsi**, Namasivayam Dhenadhayalan, King-Chuen Lin, Devanesan Arul Ananth, Thilagar Sivasudha, Radhakrishnan Narayanaswamy, Arunkumar Kathiravan, Pyrene-based prospective biomaterial: *In vitro* bioimaging, protein binding studies and detection of bilirubin and Fe³⁺, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2019, 221, 117150.
24. Muniyandi Maruthupandi, Mani Chandru, **Srinivasalu Kutti Rani**, **Nagamalai Vasimalai**, Highly Selective Detection of Iodide in Biological, Food, and Environmental Samples Using Polymer-Capped Silver Nanoparticles: Preparation of a Paper-Based Testing Kit for On-Site Monitoring, *ACS Omega* 2019, 4, 11372-11379
25. Jayaprakash Thirunavukarasu, Rosina Begam, **A. Shajahan**, Synthesis, computational predictions of selective bioactive nicotinamide derivatives and in vitro biological evaluations, *Journal of Molecular Structure*, 2019, 1196, 518-526

26. Deviga Magadevan, Egambaram Dhivya, Yasam Palguna, Trilochan Mishra, **Noor Aman**, Synthesis of titanium based hetero MOF photocatalyst for reduction of Cr (VI) from wastewater, *Journal of Environmental Chemical Engineering*, 2019, 7, 103240.
27. G. Lavanya, K. Venkatapathy, C.J. Magesh, **P.T. Perumal**, R. Sathishkumar, P. Amudha, The First Recyclable, Nanocrystalline CdS Thin Film Mediated Eco-benign Synthesis Of Hantzsch 1, 4 Dihydropyridines, 1, 8-Dioxodecahydroacridine and Polyhydroquinolines derivatives, *Applied Organometallic Chemistry*, 2019, e5026 (<https://doi.org/10.1002/aoc.5026>)
28. N. Sudhapriya, A. Manikandan, M. RajeshKumar, **P.T. Perumal**, Cu-mediated synthesis of differentially substituted diazepines as AChE inhibitors; validation through molecular docking and Lipinski's filter to develop novel anti-neurodegenerative drugs, *Bioorganic and Medicinal Chemistry Letters* 29, 2019, 1308-1312.
29. K. Venkatapathy, C. J. Magesh, G. Lavanya, **P. T. Perumal** and R. Sathishkumar, A nanocrystalline CdS thin film as a heterogeneous, recyclable catalyst for effective synthesis of dihydropyrimidinones and a new class of carbazolyl dihydropyrimidinones via an improved Biginelli protocol, *New J. Chem.*, 2019, 43, 10989-11002.

List of papers presented in conferences/seminar/workshop

- 1) Muniyandi Maruthupandi, Mani Chandhru, Srinivasalu Kutti Rani, and Nagamalai Vasimalai , Highly Selective and sensitive detection of Iodide in Biological, Food and Environmental Samples Using Polymer Capped Silver Nanoparticles International Conference on Advanced Topics in Interdisciplinary Research in Chemistry and Physics held at SRI.S. Ramamsamy Naidu Memorial College, Sattur, Tamilnadu, 626 203, 12th & 13th, March, 2019
- 2) E. A. Hadi and N. Vasimalai, Simultaneous Detection of Paracetamol and Dopamine using Graphene Oxide Coated Gold Nanoparticles by Electrochemical Method National Conference on Advanced in Functional Materials ,Department of Chemistry ,SSN college of Engineering kalavakkam, Chennai on 22nd & 23rd March 2019

- 3) Mr.D.Mugundan, Mr.Hari Shankar, Dr.S.Kutti Rani, Biosynthesis of silver and gold nanoparticles from aqueous extract of *Bauhinia tomentosa* Linn leaves and its antimicrobial activity has presented a poster Two days International Conference on Recent Trends on nanomaterials for energy, Environmental and engineering application on 14th and 15th March 2019 at K.Ramakrishnan College of Technology Samapuram, Trichy 621112.
- 4) **M.Vadivelu**, and K.Karthikeyan, “Metal free quaternary ammonium salt catalyzed synthesis of 1,2,3-triazoles under solvent-free condition by oxidative azide-olefin cycloaddition of organic azides with nitro olefins” in **24th Chemical Research Society of India National Symposium in Chemistry (CRSI-NSC-24)** will be held in **CSIR-CLRI** Chennai from February 8-10, 2019.
- 5) D.Mugundan, Vikram,S.Kutti Rani has presented Poster presentation Two days International conference on advanced materials for catalysis energy and environment (ICAMCBE – 2019) on 21,22nd February 2019,Department of Chemistry Gurunanak College Chennai 48.
- 6) Priya Sudha,Dr.J.Herbert Mabel,.D.Easwaramoorthy has presented poster on Two days International Conference on “Advanced Material for catalysis energy and Environment – 2019” on 21,22nd February 2019, Department of Chemistry Gurunanak College Chennai 48.
- 7) H.Venkatasubramanian, D.Easwaramoorthy, Green library synthesis of New nicotinamide derivatives presented poster on Two days International Conference on “Advanced Material for Catalysis, Energy and Environment ” (ICAMEE 2019) on 21,22nd February 2019, Department of Chemistry, Gurunanak College Chennai- 48.
- 8).D.Mukundan, V.Hari Shankar, and S.Kutti Rani, Antimicrobial activity of synthesized silver and gold nanoparticles using biomolecules from aqueous extract of *Bauhinia tomentosa* Linn leaves , presented poster on 3rd International Conference on recent advanced in Materials Chemistry (ICRAMC – 2019) Two days Feb 13 – 15th 2019 at SRM Kattankulathur.
- 9).Kavitha and .D.Easwaramoorthy has presented oral presentation 3rd International Conference on Recent advance in metwicy Chemistry (ICRAMC – 2019) Feb 13 – 15 – 2019.

- 10).Suba Kamaiyan, .D.Easwaramoorthy has Presented 3rd International Conference on Recent advance in metwicy Chemistry (ICRAMC – 2019) Feb 13 – 15 – 2019.
- 11).Kavitha Andiappan , E. Manikandan, D. Easwaramoorthy, G. Valli , R. Srinivasan “Room Temperature Biological Effect of Unique Schiff base ligand–with REE Lanthanide compounds for In-vitro cytotoxicity Bio-Medical Activity” CRTMMT-2019)Organized by Mother Teresa women’s university,kodaikanal during 24th & 25thFebrauary, 2019.
- 12).M.Vadivelu presented in the CRSI NSC 2019 National Conference organized by CSIR – CLRI 8th to 10th Feb 2019.
- 13).Priya Sudha, J.Herbert Mabel, D.Easwaramoorthy in proceeding of 2nd National conference on recent developments of chemistry in Engineering application organized by Department of Chemistry SRM international Engineering College on 9th Feb 2019 – ISBN No 978-81-8/33978-2-4.
- 14).V.Srinivasan and M. Asha Jhonsi, “Fuel waste to Fluorescent Carbon dots: Synthesis and Sensing Applications” in the two days international seminar on ‘Sustainable Environment’ Department of Chemistry, B.S. Abdur Rahman Crescent of Science & Technology, Chennai, Dec. 2018.
- 15).S. Thulasi and M. Asha Jhonsi, “Carbon dots derived from vehicle exhaust soot for solar energy conversion ” in the two days international seminar on ‘Sustainable Environment’ Department of Chemistry, B.S. Abdur Rahman Crescent of Science & Technology, Chennai, Dec. 2018.
- 16).M.Chandru And Dr.Kutti Rani has Presented oral in the Two days International Seminar on “Sustainable Environment” organized by Department of Chemistry on 10th & 11th Dec2018, BSACIST,Chennai.
- 17).Mrs.R.Meenakshi and Dr.S.Kutti Rani has presented Poster in the Two days International Seminar on “Sustainable Environment” organized by Department of Chemistry on 10th & 11th Dec2018, BSACIST, Chennai.
- 18).M. Deviga and Noor Aman, “**Development of Novel TiO₂-Cu₂(OH)PO₄ Based Heterojunction as Complete Solar Photocatalyst for Improved Cr (VI) Reduction**” in the two days international seminar on ‘Sustainable Environment’ Department of Chemistry, B.S. Abdur Rahman Crescent of Science & Technology, Chennai, Dec. 2018.

- 19).R. Saai Harini, Divya Bharathi and D. Easwaramoorthy presented an oral “Mesoporous carbon loaded $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ – ZrO_2 nanocomposite as an efficient photocatalyst for the photodegradation of malachite green dye and effluent water” at the International Conference on Green Chemistry for a Greener planet, ICGCGP 2018 held on 12th September 2018 at Department of Chemistry, Anna Adarsh College for Women, Chennai – 600040
- 20).R. Saai Harini and D. Easwaramoorthy presented a poster titled “Sulfur doped bismuth titanate – an efficient visible light photocatalyst for malachite green dye degradation” at the 5th International conference on Nanoscience and Nanotechnology (ICONN 2019) organized by the Department of Physics, SRM University, Kattankulatur between 28th Jan – 30th Jan 2019.
- 21). R. Saai Harini and D. Easwaramoorthy presented an oral titled “Highly Efficient Tin sulfide – Bismuth titanate p-n Junction Nanocomposite Application for Environmental Remediation” at the India – UK second International Conference on Advanced Nanomaterials for Energy, Environment and Health care Applications, organized by the Department of Physics, Bishop Heber College, Trichy between 4th – 6th February 2019.
- 22). S.Pandiarajan, N.Hajara beevi presented a paper in International Conference on Green Chemistry for a Greenar Planet IEGCGP 2018” on 12.09.18 entitled as “Antimicrobial activity of Corrosion inhibition property of Schiff Base derived from Imidazole.
- 23).M.Vadivelu, Two Day International Seminar on “Sustainable Environment” organized by Department of Chemistry, B.S.Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai on 10-11 December 2018.
- 24).M.Vadivelu, has participated in the three days workshop on “Writing Quality Research Articles, Project proposals and Patents”, organized by the Office of Dean (Ac Research) at B.S.Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai, during 20th July to 22nd July-2018.

- 25). M.Vadivelu, has participated in the two day workshop on “Electrochemical Corrosion Techniques: Theory and Hands on Training” organized by the Department of Civil Engineering and Department of Chemistry at B S A Crescent Institute of Science & Technology, Chennai, held during 7th & 8th September 2018.
- 26).R. Meenakshi, M. Chandhru, M. Sundar and S. Kutti Rani, “N- Doped Carbon Wrapped Polyoxometalate Derived from POM-IL Hybrid: A Heterogeneous Catalyst for the Synthesis of Coumarin Derivatives under Solvent-Free Conditions”, European Journal of Inorganic Chemistry, 14 (2019) pp.1904-1910
- 27).Chandhru, M., Logesh, R., Rani, S. K., Ahmed, N., and Vasimalai, N. “One-pot green route synthesis of silver nanoparticles from jack fruit seeds and their antibacterial activities with escherichia coli and salmonella bacteria”. Biocatalysis and Agricultural Biotechnology, 20 (2019) pp.101241
- 28).M. Maruthupandi, M. Chandhru, S. Kutti Rani, and N. Vasimalai. “Highly Selective Detection of Iodide in Biological, Food, and Environmental Samples Using Polymer-Capped Silver Nanoparticles: Preparation of a Paper-Based Testing Kit for On-Site Monitoring”, ACS Omega, 4 (2019) pp. 11372–11379
- 29).R Saai Harini¹ , D Easwaramoorthy¹, M Chandhru and S Kutti Rani, “Enhanced Visible light photocatalytic performance of sulphur doped nano bismuth titanate semiconductor”. Material research expresses 2019

International Conferences

- 30.M. Chandhru, S. Kutti Rani, and N. Vasimalai, “Effective Photocatalytic Degradation of Six Hazardous Dyes in Wastewater Using Nanosized Silver Nanoparticles”,Intern. Conf. Met. Fucn. Gro. Mat. Sci. Gurunanak college, Chennai, Fib 2019.

8. Details of Impact Factor Of The Publication and H-Index

A	Range	1.0 to 6.0
B	Average	2.0
C	H-Index	18
D	No. In Scopus	29

9. Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2018-19	Balance available	
1	Dr.M.Asha Jhonsi ,Assistant professor	DST	TAR/2018/000458	2,75,000/-				Ongoing

10. 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	Analytical Testing	01.07.2019 to	Within a week	50,000	Mr. Shahul	Amount

charges with the instruments available in the department of Chemistry	13.06.2019		(Technician)	deposited in the account
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Consultancy details of the department for the period July 2018 to June 2019

S.No	Date	Name of the Student	Name of the Institution	Name of the Instrument	No Of Samples	Amount Of Analysis	Mobile No.
1	18.06.18	Vinodhini.S	Madras Christian College	M.Sc Project		6000	9698777792
2	20.06.18	A.R.Deepihishri	Madras Christian College	M.Sc Project		6000	9585977658
1	23.07.18	E.Chinnasamy	Govt arts college for men	FT IR, UV	1 + 2	600	9940669427
2	30.07.18	S.Senthil Rajan	Mayilayudurai	FT IR	4	800	6380368235
3	16.08.18	Dharani	DG Vaishnav College	DRS UV	2	1000	8754496196
4	11.09.18	Abirami	R.V.Govt arts colg	FT IR	4	1000	9884797788
5	28.09.18	S.Abdul	Madras Christian College	FT IR	9	1350	
6	14.11.18	Divya	DG Vaishnav College	DRS UV	1	500	7299241998
7	20.12.18	Powrnika	Madras Christian College	FT IR	2	400	
8	20.12.12	M.Afrin Banu	Ethiraj College for Woman	FT IR	3	600	9566039783

9	27.12.18	H.Leelavathy	Loyola College	FT IR	2	300	
10	03.01.19	K.Pon Aravinth	Madha Institute of Science Technology	FT IR	2	400	8012393441
11	09.01.19	Kiran Preethi	SRM University	Di Electric	5	750	9003248359
12	23.01.19	Subhikssha.K	Pachaiyappas College	FT IR	2	500	
13	08.02.19	G.Anandhan	Pachaiyappas College	FT IR & DRS UV	2+2	1200	9500019245
14	08.02.19	Yuvarajan	R.V.Govt arts colg	FT IR	10	1000	8807032289
15	18.02.19	Dinesh	R.V.Govt arts colg	FT IR	3	300	9940382840
16	08.03.19	T.S.Rakesh	KCG College	FT IR	4	800	9176701116
17	08.03.19	Krishnaveni	R.V.Govt arts colg	FT IR & DRS UV	2+2	600	
18	08.03.19	Parveen	Queens marry Colg	Di Electric	2	300	6379749981
19	08.03.19	K.Samira Khathoon	SIET Teynapet	FT IR	5	1000	7358508011
20	08.03.19	Dr.V.Bharathi Devi	MGR University	FT IR & UV	1+1	600	9176079443
21	13.03.19	K.Purushothaman	AdhiParasakthi Colg	UV	5	800	9677879774
22	22.03.19	Yuvarajan	R.V.Govt arts colg	FT IR	5	500	
23	22.03.19	Saritha	Royal Bio Chennai	FT IR	2	400	
24	22.03.19	Lavanya	MCC Chennai	DRS UV	1	400	

25	25.03.19	Blessy Karunya	MCC Chennai	FT IR	1	200	9751033536
26	29.03.19	K.Arunkumar	Loyola College	PL	5	750	9710191588
27	12.04.19	Dr.P.Suresh Kumar	Raja Doraisingam Govt Arts College	FT IR & UV	2 + 2	400	9442362240
28	12.04.19	Sahila	MCC Chennai	FT IR	2	400	
29	12.04.19	Blessy Karunya	MCC Chennai	FT IR & UV	2 + 1	600	
30	12.04.19	S.M.Mullai Kodi	St.Josephs College of Engg	FT IR	14	2100	
31	12.04.19	Shalini.V	Anna University	CV		4800	
32	29.04.19	S.Bharathi	The New College	DRS UV	4	1600	9490976072
33	13.05.19	Shabna K	Madras Christian College	M.Sc Project		6000	8547379204
34	13.05.19	Joby Jose	Madras Christian College	M.Sc Project		6000	7358307631
	13.06.19	Mary Joseph	Madras Christian College	M.Sc Project		6000	
Total amount						50,000	

11. Details of Major Equipment Purchased (Financial year 2018-19)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Rota vapour	IKA	Order placed on	2.2 lakhs	Yet to be Installed	

12. Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Dr.M.Asha	Carbon quantum dots for bioimaging, 2018 ISBN 978-1-78923-295-0			State of the Art in Nano-bioimaging & IntechOpen	Online library 10.5772/intechopen.70076
2	Dr.N.Vasimalai	Titanium dioxide and carbon nano materials for the photocatlytic degradation of organic dyes			John Wiley	Online library

13. International Visits By Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country Visited	Purpose of visit	Period of visit	Outcome
1	Dr. RAFIK RAJJAK SHAIKH	King Abdullah University of Science and Technology (KAUST)	Saudi Arabia	Faculty/Tutor for <u>Saudi Research Science Institute</u> program	13 June, 2019 to 02 August, 2019	To establish scientific collaborations and academic exchange programs

Important Remarks: Trying to establish collaborations

14. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award	Details of Awarding organization	Month & Year
1	M.Vijay	170522601020	GATE qualified	IIT Madras	17 th March 2019
2	Mr.Vijay Ms.M.Swathi,	170522601020 170522601018	First prize in Chem Rangoli Aroma 2019	Madras Christian College Tambaram	27.02.19

	Ms.V.Sai Vinitha	170522601017			
3	Mr.Marthupandi	180913701001	Best oral presentation award	International Conference on Advanced Topics in Interdisciplinary Research in Chemistry and Physics' held at SRI.S. Ramamsamy Naidu Memorial College, Sattur, Tamilnadu, 626 203,	12 th & 13 th , March, 2019
4	Mr.Srinivasan	160913701007	Best oral presentation award	Two days International Seminar on Sustainable Environment organized by the department of chemistry BSACIST	10 th and 11 th December 2018

15. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1	Chettinad Academy of Research and Education (CARE)	Joint publication Internship for students	June 2019	ongoing		Expected to get joint publications

16. Professional Society Activities

S.No	Name of Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Students	Others			
1	Alkemia	Guest lecture	20	60		Dr.J.Elango	Motivated in the synthesis of organic compounds	
2	Alkemia	Guest lecture	15	80	200	Dr. K. Parthasarathy, Research Officer, Department of Chemistry, Siddha Central Research Institute, Arumbakkam, Chennai	Awareness on career opportunities for chemistry graduate	

Important Remarks: The students are impressed leads to improvement in our M.Sc Chemistry programme

17. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1	CARE	Joint publication Jint organization of seminar		June	2019	Joint publication Internship for students	ongoing

Important Remarks: Collaborative work on in vitro and in viva studies of drugs for the process of patenting the compounds

18. Extension Activity Conducted

S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Chemistry drive for CSIR aspirants	Resource persons from reputed institution like IIT Madras,	M.Sc Chemistry students	100 top Ranking M.Sc graduates of tamil nadu	M..Sc graduates of tamil nadu	13 th May to 12 th June 2019	Trained to write competitive exam like CSIR

19. Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1	Dr. Gordana Medunic	Associate Professor, Department of Geology, University of Zagreb, Croatia	Key note address in the international seminar on sustainable development	Possibility of execution of MOU with
2	Dr. Hafiz Bin Mamat	Associate Professor, Department of Electrical Engineering, University Institute of Technology Mara, Malaysia	Key note address in the international seminar on sustainable development	
3	Dr.P. Shanmugam,	Principal Scientist CSIR-CLRI	Special lecture in the international seminar on sustainable development	Summer Internship for 4 of M.Sc students
4	Dr.N.Nishad Fathima,	Principal Scientist CSIR-CLRI	Key note address in the international seminar on sustainable development Lecture	
5	Dr.S. Abraham John,	Professor Department of Chemistry, Gandhigram Rural Institute	Special lecture in the international seminar on sustainable development	Collaborative work in analyzing the samples
6	Dr.S. Anandan,	Head Department of Chemistry,	Special lecture in the international	Collaborative

		NIT Trichy	seminar on sustainable development	work in analyzing the samples
7	Dr.R.Murugesan	Dean Research CARE	Expert member for Viva voce of M.sc projects	Execution of MOU
8	Dr.G.Rengarao	Professor Department of Chemistry IIT madras Chennai	DC member	
9	Dr.Indira paul Singh	Professor Department of Chemistry IIT madras Chennai	DC member	
10	Dr.Umapathy	Associate professor Anna university	DC member	
11	Dr.K. Parthasarathy	Research Officer, Department of Chemistry, Siddha Central Research Institute, Arumbakkam, Chennai	Chief guest on Awareness Programme for B.Sc. Chemistry Students held on 26 th February 2019	Collaboration for joint publications
12	Dr.P.Gowtham	Professor of Eminence Anna University	DC member	
13	Dr.P.Sekar	Professor, Department of Chemistry IIT Madras Chennai	DC member	
14	Dr.Rajkumar	Professor, University of Madras Chennai	Expert member for conducting viva	
15	Dr.J.Elangovan	Assistant Professor Raja	Guest lecture on sere	

		Sarafoji Govt.Arts college,Tanjavur		
17	Dr.G.Parthasarathy	Senior Professor National institute of Advanced Studies IISc Bangalore	Chief guest on the National Science Day held on 28 th Feb 2019	
18	Dr.R.Bragaspathy,	R&D Advisor,IIT Madras and Former Secretary,SERB,DST	Chief guest for the inauguration of CRD held on 13 th may 2019	
15	Shri V.Ponraj,	Former Scientific advisor to Dr.A P J Abdul Kalam	Chief guest for the valediction of CRD held on 12 th june 2019	
17	Dr.Karvembu	Head Department of Chemistry, NIT Trichy	Expert member for conducting viva	
18	Dr.Balaji Rengarajan	Scientist, Centre for Fuel cell technology-Advanced Research Centre ,Chennai	DC member	Summer Internship for our M.Sc students
19	Dr. Madappa Basappa Halli	Professo Department of Chemistr Gulbarga UniversityGulbarga – 585106, Karnataka – India	Indian examiner	
20	Dr. A. Gnanamani	Principal Scientist Department Of Biological Material	Subject Expert for the Ph.D viva voce	Initiated collaborative

		Laboratory CSIR – Central Leather Research Institute Adyar, Chennai-600020		work
21	Dr.Anilkumar saikai	Professor IIT Gowkathi	Indian examiner	
22	Dr.Venkatachalam	Assistant Professor Department of Chemistry Anna University	DC member	
23	Dr.Jeyavel	Assistant Professor University of Madras	DC member	
24	Dr.A..K.Mishra	Professor Department of Chemistry ,IIT Madras	DC member and External examiner for M.Sc chemistry viva voce of their project	
25	Dr.G..R Raja Rajeswari	Assistant Professor Department of Chemistry ,Anna University	DC member	
26	Dr.Nagarajan	Assistant Professor Department of Chemistry ,Anna University	DC member	
27	Dr.J.Santhanalakshimi	Professor department of Physical Chemistry University of Madras	DC member and External DAAC auditor	

28		Department of Biotechnology Anna University	Indian examiner for Ph.D	
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20. Any Other Information

- Mr.D.Mukundan, RRN 1191224 Ph.D Scholar Completed his Ph.D Viva Voce exam on 09.05.19
- Mr.Gangaprasad RRN 1391140 Ph.D Scholar Completed his Ph.D Viva Voce exam on 14.09.18
- Mr. R. Jayaprakash RRN 0991205 Ph.D Scholar Completed his Ph.D Viva Voce exam on 21.0718



Inaugural function with our Registrar, Dr. R. Bragaspthy from IIT Madras



Dr. V. Ponraj (Chief Guest), Dr. A. Azad (Registrar), Dr. K. K. Balasubramanian IIT (M), Dr. S. Kutti Rani and Dr. D. Easwaramoorthy from BSACIST & Dr. Sivakumar from RJSF on the valediction of the CRD

Guest Lecture Addressed on Awareness programme



Inauguration Section on Awareness programme



The National Science Day



CRESCENT SCHOOL OF LAW

1.Conferences / FDP / Seminars / Workshops Attended

S.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.	Aparna Madhu	One Day Faculty Orientation Programme on Criminal Law	Seminar	1 day	WBNUJS	None
		National Seminar on E-Learning and MOOCs in Higher Education	Seminar	1 day	Guru Angad Dev Teaching Learning Centre, A Centre under MHRD under PMMMNMMTT	BS Abdur Rahman Crescent Institute of Science and Technology
		Faculty Development Programme on Teaching Technique	FDP	2 Day 11/2/2019 & 12/2/2019	ICT Academy	BS Abdur Rahman Crescent Institute of Science and Technology

2.	Prof.Dr. PVN Sarma	<p>Refresher Course - for Law Teachers - 2018- June</p> <p>Academic Leadership Training Program- PNMMM-UGC- 2019</p> <p>Earlier I have attended 3 Refresher Courses of ASCs- in Law and Interdisciplinary and One Orientation Programme.</p>	Refresher Course <p>At Bangalore, NLSUI Bangalore, Maratwada University, Aurangabad and Andhra University, Visakhapatnam</p>	<p>7 Days</p> <p>5 days</p> <p>RC 21 Days each and Orientation Programme of 28 Days.</p> <p>Sponsored by respective Colleges where I served--</p>	<p>ASC, National Law School of India University, Bangalore</p> <p>BSA Crescent Institute of Science and Technology-Chennai</p> <p>Crescent School of Law.</p> <p>Crescent School of Law</p>	
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2. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
					ISSN 0975-6639			
					ISSN No. 234783 27			

Details Of Publication In National & International Journals & Conferences: (IEEE Format)

- Sajid Hamid, Acquittals in NDPS Cases and Reasons Thereof: A Study; Kashmir University Law Review (2018). ISSN 0975-6639
- Aparna Madhu and Sreyashi Bhattacharya, An Overview of Celebrity Rights in India, RGNUL Financial and Mercantile Law Review Vol.5 Issue 1 (ISSN No. 2347-8327)
- E.Priyanka, "Principles of Indian Foreign Policy: An overview", International Journal of Social sciences with Impact factor(2.385) , ISSN:2394-1315, September 2018, Pg 179-182

- E.Priyanka, "Public policy and Planning In India with Special Reference to Agriculture", The Indian Journal of Political Science, ISSN (0019-5510) ,Volume LXXIX,No2, July 2018, Pg 112-115.
- Dr.E.Priyanka, "Cyber Crime against Women and Children with Special reference to Present Scenario", International Journal of Social Sciences Review, (ISSN 2347-3797), Volume 7, Impact factor 2.7, March 2019, Pg 146-147.

• **International Conference & National Conference**

- **Conference with ISBN Proceedings :**

- **Other Conferences :**

1. Dr. E.Priyanka, "Human Development Initiatives and Its Impact in Rural India", ICSS R Sponsored National Conference, Department of International Relations and Politics, Pondicherry University, Jan 2019.
2. Dr.E.Priyanka, "Massification of Higher Education through Swayam Online Platform", International Conference on Management in Digital Era", Coimbatore, Dec 2018.

Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1.	Dr.M.P.Srinivasan	An Empirical Study of Safety and Security Practices in University Library		99	Scholar's Press 978-620-2-31654-5	Available in online

Achievements of Students

S.No	Name of the student	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Mr. Sujan Ganesh	Stood first and won cash prize of Rs.11,000/ in All India 1 st Basant Kumar Jaggi Memorial Article Writing Competition 2019.	Basant Kumar Jaggi Memorial Article Writing Competition 2019.	2019
2.	Ms. Rahmath Frasha S.H and Ms. Sabrina M.	Published a paper on "Hazardous Waste Management in India- An Overview", in International Journal of Law, Education, Social and Sports Studies (IJLESS), Volume 6	Sathyabama Institute of Science and Technology	1, 2019 (February)
3.	Mr. Mohammed Khalid	Published a paper on "A Doctrinal Study on the Legal Regime towards Sustainable use of Protection of Coral Reefs-The Forgotten Treasure of Marine Biodiversity, in International Journal of Law, Education, Social and Sports Studies (IJLESS), Volume 6	Sathyabama Institute of Science and Technology	1, 2019 (February)
4.	Ms. Ramya Srinivas	Participated and stood First in Talent Show (Miss Crescent 2019) in Creshun	Crescent School of Science and Technology	Feb 28 th - 2 nd March, 2019



Important Visitors

S.No	Name of the visitor	Affiliation Details	Purpose of visit	Expected Outcome
1.	Dr. Mohan Rao Bolla	Principal of Kristu Jayanti College of Law, Bangalore	Board of Studies, Special Lecture in Constitutional Law	He is a member of BOS. It was very much useful to the students.
2.	Prof. C. Chockalingam	Principal, Dr. Ambedkar Government Law College, Tiruvallur	Board of Studies, Special Lecture in Constitutional Law	He is a member of BOS. It was very much useful to the students.
3.	Dr. P. V. Trivedhi	Principal, Rajiv Gandhi Institute of Law,	Curtesy Visit to Crescent	Had a fruitful chatting regarding

		Kakinada	School of Law	the functioning of the School of Law.
4.	Prof. Dr. M A Akbarsha	Former Dean and HOD Animal Biotech, Bharathidasan University	Curtesy Visit to Crescent School of Law	An eminent Scientist in the field of fertility research. Had a fruitful chatting regarding the functioning of the School of Law. He appreciated the vision of the Dean, Crescent School of Law.

Any Other Information:

1. **The Second Orientation Program of Crescent School of Law** was conducted on 18/07/2018 followed by the felicitation by Justice K.M. Basha and Presidential Address by Justice Ibrahim Kallifulla former judges of high court and Supreme Court. Our registrar spoke on the dignity of legal profession and its scope and opportunities.



2. **The Special Lecture on Fundamental Rights and Duties of Individuals** was conducted on 18/09/2018 by Dr. B. Gandhi, Dean, VIT School of Law. He highlighted the importance of fundamental rights, its relationship with the Directive Principles of State Policy. He emphasized more on fundamental duties before claiming fundamental rights because the rights and duties are correlative.



3. **Mediation Awareness Program Conducted on 6th February 2019 in association with TNMCC**



4. Highlighting the Significance of law for the school children on 15th October 2018, Dr. APJ Abdul Kalam's Birthday.



5. **Special Lecture on General Concept of Constitution Law** was conducted on 10/01/2019 by Prof. Dr. Mohan Rao Bolla, Principal, KristuJayanthi College of Law, Bangalore.



6. **Special Lecture on Law of Inheritance under Hindu Law** was conducted on 10/01/2019 by Prof. Dr. Chockkalingam, Principal, Chennai Dr. Ambedkar Govt. Law College, Pattaraiperumpudur.



CRESCENT SCHOOL OF PHARMACY

1. Conferences / FDP / Seminars / Workshops Attended

S.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	Dr. S.M. Shaheedha	Training programme on Academic Leadership	Training	30-07-2018 to 02-08-2018	MHRD, GOI	Nil
2	Dr. S.M. Shaheedha	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20-07-2018 to 22-07-2018	BSACIST	Nil
3	Dr. Y. Ismail	Writing Quality Research Articles, Project Proposals and Patents	Workshop	20-07-2018 to 22-07-2018	BSACIST	Nil
4	Mr. Mohammad Habeeb	Writing Quality	Workshop	20-07-2018 to	BSACIST	Nil

		Research Articles, Project Proposals and Patents		22-07-2018		
5	Dr. M. Vijaya Vara Prasad	National Symposium on Natural Products for Human Health	Symposium	07-02-2019 to 08-02-2019	Entomology Research Institute , Loyola College, Chennai	Nil
6	Dr. S.M. Shaheedha	National Symposium on Natural Products for Human Health	Symposium	07-02-2019 to 08-02-2019	Entomology Research Institute , Loyola College, Chennai	Nil
7	Dr. Y. Ismail	National Symposium on Natural Products for Human Health	Symposium	07-02-2019 to 08-02-2019	Entomology Research Institute , Loyola College, Chennai	Nil
8	Mr. Mohammad Habeeb	National Symposium on Natural Products for Human Health	Symposium	07-02-2019 to 08-02-2019	Entomology Research Institute , Loyola College, Chennai	Nil

	Dr. M. Vijaya Vara Prasad	10 th IPA Student's Congress	Convention	16-02-2019 to 17-02-2019	IPA	Nil
9	Dr. Y. Ismail	Seminar	National Seminar on E-learning and MOOCs in Higher Education	09-03-2019	MHRD	Nil
10	Mr. Mohammad Habeeb	Seminar	National Seminar on E-learning and MOOCs in Higher Education	09-03-2019	MHRD	Nil
11	Dr. M. Vijaya Vara Prasad	Training programme on Academic Leadership	Training	01-04-2019 to 07-04-2019	MHRD, GOI	Nil
12	Dr. Y. Ismail	Essentials of Scientific Entrepreneurship	Seminar	28-05-2019	BSACIST	Nil
13	Dr. M. Vijaya Vara Prasad	Process Technologies- A Step towards Quality	Seminar	12-06-2019	ACG Pharma Trends	Nil

		by Design				
14	Dr. S.M. Shaheedha	Process Technologies- A Step towards Quality	Seminar	12-06-2019	ACG Pharma Trends	Nil
15	Dr. Y. Ismail	Process Technologies- A Step towards Quality	Seminar	12-06-2019	ACG Pharma Trends	Nil
16	Dr. S.M. Shaheedha	Eclectic HR ConFab- 2019	International Conference	20-06-2019	BSACIST	Nil

2. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	02
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3. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

•International Journal& National Journal

- **SCI/Scopus Indexed Journal :** **02**
- **Other journals :** **--**

1. Shaheedha SM, Vijaya Vara Prasad M "[Investigation for assessing dengue in children with their clinical presentations,](#)" *International Journal of Research in Pharmaceutical Sciences*, 10,1,150-154, Jan, 2019.
2. Shaheedha SM, Vijaya Vara Prasad M, "[Clinical findings of Sydenham's chorea and comparison of the efficacy of sodium valproate and carbamazepine drug use,](#)" *International Journal of Research in Pharmaceutical Sciences*, 10,1,146-149, Jan, 2019.

4. Details of Impact Factor Of The Publication and H-Index

A) Range: **0.88-1.44**

B) Average: **0.36**

C) H-Index: **15**

D) No. In Scopus:

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

DEPARTMENT OF ENGLISH

1. New Programmes Started

S.No	Name of Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1.	B.A.English (Hons)	July 2019	Conducted on 5.3.2019			

2. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Business English Certificate Course (Preliminary level and Vantage level)	II and III Semesters B.Tech.	30 hrs/level	Cambridge Assessment English	All students of II and III semesters B.Tech.	-	-

Important Remarks: Mou signed with Cambridge Assessment English

3. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Communication Skills	3.7.2018-5.7.2018	3days	-			Laboratory technicians

Important remarks:Dr.A. Shahin Sultana,Professor of English organized a training programme on “ Communication Skills” for the benefit of the laboratory technicians of science and engineering departments of our university for 3 days from 3.7.2019 to 5.7.2019 to enable them to demonstrate the experiments and to interact with students in the labs.

4. Interdisciplinary Programmes Conducted

S. No	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1	Two day workshop on ‘Writing for Research Purpose’ (conducted from 19-20th July 2019	Department of English & Office of Dean Research	30	22		Research scholars from English & other disciplines will be able to edit,

						proofread and write a good Phd thesis/research paper
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5. Conferences / FDP / Seminars / Workshops Organized

S. 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.	Pedagogies in teaching Language & Literature in the 21 st Century	workshop	One day on 30.4.2019	-	Dr.K.Ganesh,HOD/English, MCC,Chennai Dr.Shrimathy Venkatalakshmy ,HOD/English, Anna University, Chennai	9	-	30	22

2.	'Writing for Research Purpose'	workshop	Two day from 19th-20th July 2019	Office of Dean (Research),B SACIST	<p>Dr.Albert P'Rayan, Prof.& Head/English,K CG College of Engg,Chennai.</p> <p>Dr.K.Ganesh Prof.& Head/English, MCC,Chennai.</p> <p>Dr.Anthony samy,Prof.& Head/English,Lo yola College, Chennai.</p> <p>Dr.S.Vijaykumar ,Asst Prof/English,BS</p>	17	18	35	10
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					ACIST. Dr.Raja Md, Dean Research,BSAC IST. Dr.Harinarayana n,BSACIST				
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Important Remarks:Dr.H.Sofia HODi/c was the convenor for both the workshops.

6. 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.	Pedagogies in teaching Language & Literature in the 21st Century	One day	Rs.35,000/-	52 participants from other institutions attended and got benefitted.

2.	'Writing for Research Purpose'	Two day	Rs.60,000/-	So far 52research scholars and faculty members from all over TN have registered to participate
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7. Conferences / FDP / Seminars / Workshops Attended

S.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.	Dr.H.Sofia	Emerging trends in English & Foreign LanguagesTeaching.	International Conference	5.2.2019	VIT,Chennai	nil
		Pedagogies for teaching Language & Literature	workshop	30.4.2019	Dept. of English, BSACIST	nil
				12-18th March 2019	VIT Chennai	nil

2.	Dr. A. Shahin Sultana	Soft skills training for teaching staff	FDP		VIT, Chennai		
		Emerging trends in English & Foreign Languages Teaching.	International Conference	5.2.2019		nil	
		Pedagogies for teaching Language & Literature	workshop		30.4.2019	Dept. of English, BSACIST	nil
		Soft skills training for teaching staff	FDP		12-18th March 2019	VIT Chennai	nil
		Three day on "Writing Quality Research Articles, Project Proposals and Patents"	workshop		20,21,22 July 2018	BSACIST	nil

		Teacher Support Programme	workshop	14.9.2018	Cambridge English Assessment	nil
3	Dr.P.Rathna	NAAC Awareness Programme	Workshop	10.07.2018	BSA Crescent	Nil
		three day on “Writing Quality Research Articles, Project Proposals and Patents”	workshop	20-22 nd July 2018.	BSA Crescent	nil
		Onsite training on “Turnitin’s User Awareness Program & Similarity Check”	Workshop	20.11.2018.	Dean Academic Research , BSA Crescent	nil
		Human Assisted Technology in Education Management Systems	Workshop	12-13 December 2018.	Department of English, Madras Christian College	nil

		Protest Writings	National seminar	Jan, 2019	Department of English, Loyola College, Chennai	nil
		e-learning and MOOCs in Higher Education organised	National seminar	March 2019	Guru Angan Dev Teaching Learning centre of MHRD in collaboration with BSA Crescent Institute of Science and Technology	nil
		Soft skills training organised by the	FDP	12 - 18, March 2019	FTA of BSA Crescent	nil
		“Pedagogies for Language and Literature in the 21 st Century” Department of English at BSA Crescent Institute of Science and	workshop	30.04.2019	Department of English, BSA Crescent Institute of Science and Technology.	nil

		Technology.				
4	Dr. Md. Sahidul Islam	“Mass Communication, Journalism & Social Sciences.”	International Conference	2nd & 3rd November 2018	IMRF, Mysore	nil
		“Advances in Women Empowerment, Education, Language & Literature”	International Conference	15th March 2019	Carmel College, Goa	nil
		“Pedagogies in teaching Language & Literature in the 21st Century”	Workshop	30 April 2019	BSACIST	nil
		“Reflections on Gender Inequality Feminism & Language Studies”	International Conference	14 th & 15 th June 2019	IMRF, Mysore	nil

5	Ms.A.Catherine Anna Pushpam	“Culture and Literature: Convergence & Divergence”	International conference	27 & 28 September 2018	Thiruvalluvar University, Vellore	Nil
		“Literature: An Interplay of Art & Culture”	International conference	27 February 2019	Anna Adarsh College for Women, Chennai	Nil
		“Pedagogies in teaching Language & Literature in the 21st Century”	Workshop	30 April 2019	BSACIST	Nil
		"Soft Skills Training for Teaching Staff"	FDP	19th - 25th March 2019	BSACIST	Nil
6	Ms.S.Grace Vinitha	“Culture and Literature: Convergence and Divergence (ICCLCD’18)”	International conference	27 & 28 September 2018	Thiruvalluvar University, Vellore	Nil

		“Portrayal of Women in Modern English Literature”	National Seminar	25th September 2018	Karaikudi	Nil
		“Writing Quality Research Articles	Workshop	20.07.2018 to 22.07.2018.	BSACIST	Nil
		How to Write Research Paper	Workshop	12th April,2018	BSACIST	Nil
		“Literature: An Interplay of Art & Culture”	International conference	27 February 2019	Anna Adarsh College for Women, Chennai	Nil
		“Pedagogies in teaching Language & Literature in the 21st Century”	Workshop	30 April 2019	BSACIST	Nil
		"Soft Skills Training for Teaching Staff"	FDP	12th,13th,14th,15th & 18th March 2019	BSACIST	Nil
7	Dr.S.Vijayakumar	“Pedagogies in teaching Language &	Workshop	30 April 2019	BSACIST	Nil

		Literature in the 21st Century”				
		"Soft Skills Training for Teaching Staff"	FDP	12th,13th,14th,15th & 18th March 2019	BSACIST	Nil
8.	Mr. S. Sakthivel	“Born to Win and Shine”	Neuro Linguistic Programming (NLP)	14 th Dec. 2018	SVCE	Nil
		Green Literature	National level Workshop	5 th October, 2018	Nandha Arts and Science College, Erode	Nil

8. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
	P.Rathna(1)	Shahin(1)	HS(1)present			Shahin(2)	HS(1); SI (1)	11

			ed Catherine (Presented) - 2				PR (2)	
	Grace Vinitha (Presented) - (1)		Grace Vinitha (Presented) - (3)				GV (1)	5
			Mr. S. Sakthivel (Presented) - (1)				SSV-4	5
			Vijayakumar-1			Vijayakuma r-1	2	4

9. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

A. International Journal& National Journal

SCI/Scopus Indexed Journal :

- Dr.A.Shahin Sultana -Co authored 2 articles in International Journals.
- Uma ,Maheswari V,A.Shahin Sultana “VLS Model for Content Words:An Experimental Study on Engineering Students in India”,*Journal of Language Studies*,vol.19, No.1,pp 62-75,2019.
- Uma, Maheswari V,A.Shahin Sultana “Bipolar Synergies:The role of Diachronic and Diachronic Study of Words in Content Comprehension at Tertiary level”,*ESP Today*,vol.7, No.ipp86-107,2019.
- Vijayakumar.S and RevathiViswanathan ” Performance Analysis in Blended and Online Classrooms: An Experimental Study.” *CALL-EJ* (2018)December 19.2 (n.d.): 98-122. Scopus.

Other journals:

- 1.Islam, Md. Sahidul."Representation of Girl Child as the Victim in Hosseini's *And the Mountains Echoed* and Nadia Hashimi's *The Pearl That Broke Its Shell*". *English Studies: International Research Journal*. V: 6 Issue 1: 76-79. Print. (July 2018) ISSN 2347-3479. (Peer Referred Journal)
- 2.Sakthivel. S. "Illusion of a Fragmented Society in Doctorow's Ragtime". *International Journal of Research and Analytical Reviews*, Vol.: 5, Issue: 4. 2018. ISSN: 2349-5138. UGC approved journal.
- 3.Sakthivel. S. "Individual's Quest in E.L. Doctorow's Loon Lake". *International Journal of Emerging Technologies and Innovative Research*, Vol.: 5, Issue: 11. 2018. ISSN: 2349-5162. UGC approved journal.
- 4.Sakthivel. S. "A Critical Study on E.L. Doctorow's Billy Bathgate as a Postmodern Historical Narrative". *International Journal of English Language, Literature in Humanities*, Vol.: 6, Issue: 11. 2018. ISSN: 2321-7065. UGC approved journal.

- 5.Sakthivel. S. "Shifting Polarizations of Self and Society: An Analysis of E.L. Doctorow's Welcome to Hard Times". International Journal of Review of Research, Vol.: 8, Issue: 2. 2018. ISSN: 2249-894X. UGC approved journal.
- 6.Vijayakumar. S. A New Model for Teaching Writing at Tertiary level. (2018)July. International Journal of Research and reviews. Vol.7.Issue.1. 321-337. UGC listed Journal.
- 7.Vijayakumar, S. "A Holistic Approach to Course Design in Higher Education". International Journal of Scientific research & Review. (2018)July. Vol 7, No.2 325-329. UGC listed Journal
- 8.Rathna.P. "Consciousness and Impacts of Biotope: An Eco-Critical Study of Selected Dalit Life Writings." Literary Endeavour,, VOL.10 Spl.issue NO.3 Jan 2019. ISSN 0976-299X (UGC approved International journal)
- 9.Rathna.P. "Religion and Marginality: A Critique of Dalit Life writings" *IJELLH* Vol.7, Issue 2, February 2019. (UGC approved International journal)

B. International Conference & National Conference

- a) Conference with ISBN Proceedings :
- b) Other Conferences :

International Conference Proceedings:

- 1.S.Grace Vinitha - Grace S Vinitha, "Women and Identity Crisis in Padma Viswanathan's Novel", "Culture and Literature: Convergence and Divergence (ICCLCD'18)", Vellore, Emerald Publishers, ISBN 9788179664988, September 2018.

10. 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	Editing & proofreading services			19,000/-	Ms.A.Catherine Anna Pushpam & Dr.S.Vijayakumar	Ongoing

11. Book Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
I.	Dr.A.Shahin Sultana	Chapter:SAMR Model as a Pedagogical Framework to Teach Process Writing in the book "Research Practices in Computer Assisted Language Teaching and			Scholars Press, Mauritius	Available

		Assessment ”				
2.	Dr.P.Rathna	1. Communicative English (Rev.edition) 2. Technical English (Rev.edition)			VRB Publishers, India	Available
3.	Ms.A.Catherine Anna Pushpam	Chapter: “A Quantitative Approach to Alternate Assessment” in the book “Research Practices in Computer Assisted Language Teaching & Assessment”			Eds. Vijayakumar.S& Michael Des Jardins. Beau Bassin: Scholar’s Press, Mauritius	Available
		Chapter: “Reimagining Blended Models for Course Delivery” in the book “Research Practices in Computer Assisted Language Teaching & Assessment”				
4	Dr. Md. Sahidul Islam	Chapter: “Fictionalization of the life of Muslims with			Eds.Dr. Ratnakar D Bala, Ibrahimpatnam: IMRF	Available

		Special Reference to the Selected Post-Modern Fiction."			International Publishing House, India (July 2018)	
5		Chapter: "Fostering Language Skills Using Wiki Spaces."			Eds. Vijayakumar.S& Michael Des Jardins. Beau Bassin: Scholar's Press, Mauritius (August 2018)	Available
6		Chapter: "The occurrences of 9/11–A Historical Public Incident with Special Reference to Updike's <i>Varieties of Religious Experience</i> ."			Eds.Dr. Ratnakar D Bala, Ibrahimpatnam: IMRF International Publishing House, India (March 2019)	Available
7		Chapter: "Depiction of Patriarchy, Denial of Higher Education to Girls & Women Empowerment in Selected Post-Modern Fictions."			Eds.Dr. Ratnakar D Bala, Ibrahimpatnam: IMRF International Publishing House, India. (March 2019)	Available
8		Chapter: "Representation of Gender inequality, Child Marriage and Its Effects in			Eds.Dr. Ratnakar D Bala & Dr. P. Vijaya Vani, Ibrahimpatnam: IMRF	Available

		Afghan Society in Nadia Hashmi's <i>The Pearl That Broke It's Shell.</i> "			International Publishing House, India (June 2019)	
9	Dr.S.Vijayakumar Book Publications	<ul style="list-style-type: none"> • Vijayakumar. "Fifty Classroom Activities-A Resource Book for Teachers" Kindle Publishers.2018. ISBN- 9781726821087 (August 2018) • Vijayakumar.S "Technology Enhance Approach to facilitate writing skills at tertiary level" Lambert Academic publishing. Germany. ISBN 			Kindle publishers- United States	Available

		<p>9786139577972 P1-226. (December 2018)</p> <ul style="list-style-type: none">• Vijayakumar.S, & Michael Des Jardins (Eds.) (2018) Research Practices in Computer Assisted Language Teaching and Assessment (pp. 1-130). Frankfurt, Scholar's press, Omniscryptum publishing. ISBN 978-620-2-31559-3 (March 2019)				
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12. Achievements of Staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr. A.Shahin Sultana	Certificate of appreciation in recognition of professionalism and devotion in reviewing articles	Chief Editor , International Journal of TESOL Studies	July 2019
2	Ms.A.Catherine Anna Pushpam	UGC-NET	Cleared UGC-NET examination	December 2018

Certificate

This is to certify that Dr. A. Shahin Sultana is a member of the Editorial Board, International Journal of TESOL Studies (ISSN: 2632-6779). Her role is to provide consultancy to the Chief Editor and professional reviews for incoming submissions. Her devotion to the journal and contribution to the wider academic community is greatly appreciated.

Issued by: Dr. Xinghua Liu



Chief Editor, International Journal of TESOL Studies (www.tesolunion.org)

Deputy Director, Research Institute of Foreign Language Teaching and Learning, Shanghai Jiao Tong University, China

liuxinghua@sjtu.edu.cn <liuxinghua@sjtu.edu.cn>
To: shahin <shahin@crescent.education>

Wed, Jul 3, 2019 at 4:39 PM

Dear Dr. Shahin Sultana,

Hope this mail finds you all well.

I am back to let you know that I am editing a new TESOL journal, i.e., International Journal of TESOL Studies (www.tesolunion.org). As we have collaborated for a quite a long time over another journal, I am impressed by your professionalism and devotion. Thus I would like to invite you to join the journal's editorial board. Main responsibilities include:

1. review submissions; 2. promote visibility of the journal in your country; 3. act as judge for applications for various funds and awards released by the journal.

Attached is the journal flyer. Would you please help circulate as widely as you can through your network?

Many thanks.

All the best
Kevin

Xinghua (Kevin) Liu, Ph.D
Vice Chair, English Department
School of Foreign Languages
Shanghai Jiao Tong University, China

Chief Editor
International Journal of TESOL Studies (<https://www.tesolunion.org>)

13. MoUs Signed

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
1	Cambridge Assessment English	Mou	30	8	2018	Offering BECVantage level course and exam	Renewalof Mou

Important Remarks:Renewed the Mou with Cambridge Assessment English on 30.8.2018

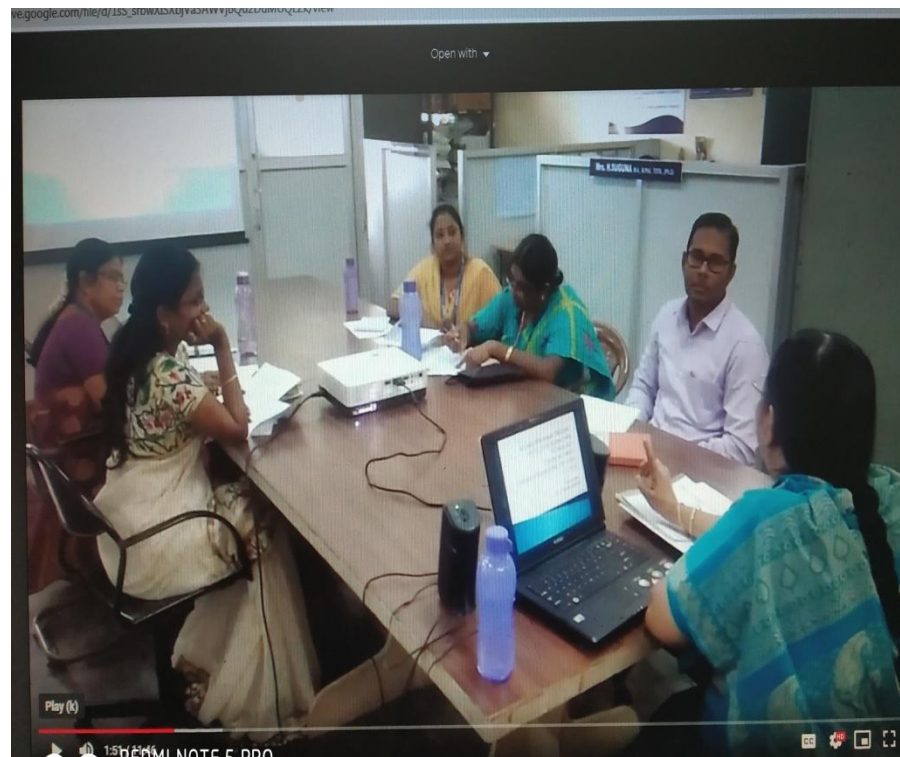
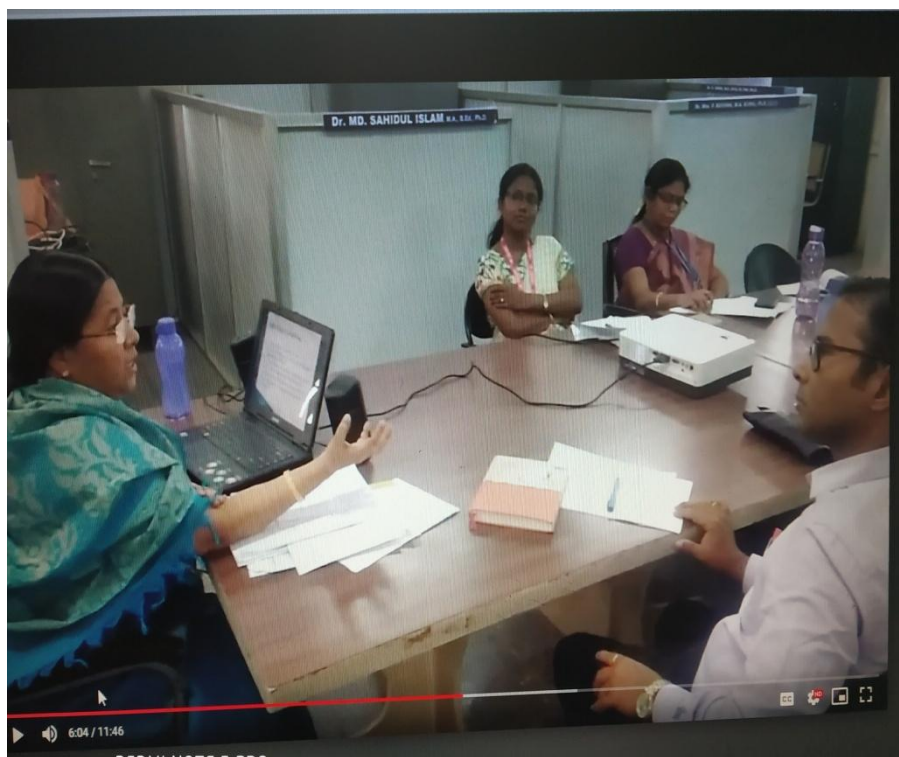


Renewal of Mou with Cambridge English Language Assessment

Extension Activity Conducted

Dr. Shahin Sultana conducting Coordination Programme to prepare the faculty members to conduct BEC

Speaking exam.



S.No	Type of extension activity	Details of Participants			Details of Beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
-1	DR.A.Shahin Sultana conducted a coordination programme to the speaking examiners of the department to prepare them to conduct Business English Certificate exam(Preliminary level)	5		-	Faculty members of the department of English	Half -a-day 3.5.2019	Equipped them to conduct the BEC speaking exam effectively
	DrA.Shahin Sultana conducted a session on communication skills during the	About 40			Non-teaching staff	2 hrs	Developed their communic

	<p>training programme conducted by HR office</p> <p>Dr.P.Rathna as the Staff-in-charge of the Literary Club coordinated the celebrations of “Rashtriya Ekta Diwas” (National Unity Day) which is observed to commemorate the Birth Anniversary of Sardar Vallabhbhai Patel on, as per the guidelines of UGC.</p>	10	120		Students of BSA Crescent	ONE DAY 31 st October 2018	<p>ation skills</p> <p>National unity and integration was promoted</p>
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14. Any Other Information

1. Dr. A. Shahin Sultana ,Academic Coordinator of Business English Certificate Courses and Mr. Saibulla,Centre Exam Manager conducted BEC (Preliminary level) exam to the students of II year B.Tech. in May 2019.
2. Dr. A. Shahin Sultana produced her second Ph.d scholar.
3. Dr.A.Shahin Sultana monitored the speaking examiners of BEC during the exams held in May 2019 as team leader for the speaking examiners.
4. Dr.P.Rathna, completed a 4 week online course How to read a Novel through Futurelearn in the university of Edinburg during March – April 2019.
5. Dr.P.Rathna, Completed an eight week online course ‘Introduction to Literary Theory’ conducted by NPTEL during September - October 2018 and secured 84% marks.
6. Dr.P.Rathna, was the resource person for a workshop on “Effective Use of Vocabulary and Pronunciation for Powerful Speaking” organised by the Department of English, Dr.MGR Educational and Research Institute, Chennai -95 on 12.02.2019.

DEPARTMENT OF COMMERCE

1. Value Added Programmes Conducted

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	CPT	Aug.2018 to May 2019	2 hours per day	JM Initiatives Pvt. Ltd.	21	5	1

2. Details of Field visits organized by the department

Sl. No	Participant Details				Name of faculty Organized the event	Industry Visited	Date / Duration	Outcome
	Programme	Sem	Sec.	No. of Students				
1.	B.Com.	II	A, B, C, D, E A(A&F) B(A&F)	400	Dr. Rathika Meghanatha, Dr. Nirmala, Dr, Kogola, Dr. Farzana, Dr. Sibghatullah	Arts and Sculptures industry, Mahabalipuram	13.3.2019 to 14.3.2019	

					Nasir, Dr. Abuzar Nomani, Dr. Srinivasan, Dr. Murali			
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3. Conferences / FDP / Seminars / Workshops Organized

S. 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
	Confab 2019	International Conference	20-21 June, 2019	HR Dept. BSACIST, CIC, BSACIST	Prof. Nawab Ali Khan, Prof. Khaliq Ahmad Malaysia Prof Samdu Chetri. IITKh	All faculty members from Commerce department			

4. Conferences / FDP / Seminars / Workshops Attended

S.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	A. Rahman	Hyderabad Conference- International Conference on Science, Technology & Management	International Conference	2018	The Institution of Engineers India, Visvesvaraya Bhawan, Hyderabad,	
2	Porkodi. T	National Seminar on Consumer Inclusion and Justices – A Paradigm Shift in Digital Era	National Conference	2018	Bharathidasan Government College for Women (Autonomous), Puducherry,	
3	Dr. Kogila N	National Seminar on Consumer Inclusion and Justices – A	National Conference	2018	Bharathidasan Government College for Women	

		Paradigm Shift in Digital Era			(Autonomous), Puducherry,	
4	Dr. Nirmala S S	National Seminar on Consumer Inclusion and Justices – A Paradigm Shift in Digital Era	National Conference	2018	Bharathidasan Government College for Women (Autonomous), Puducherry,	

5. Papers Published/ Presented In Journals & Conferences (Total Numbers Only) (July 2018-June 2019)

National Conference		International Conference		National Journal		International Journal		Total
with ISBN	Others	with ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
3	Nil	1	Nil		3	Nil	9	16

6. Details Of Publication In National & International Journals & Conferences: (IEEE Format)

•International Journal& National Journal

- SCI/Scopus Indexed Journal :**

- **Other journals :**

International Journal: (UGC Listed)

- [1] A. Rahman, "Role of Personal Value in Investment Decision, "*International Journal of Computer & Mathematical Science*", vol. 7,no 1, 2018
- [2] Rengarajan. V, Kogila. N, and et al., "A study on Customer (Passenger) Satisfaction in Transportation Industry - Case of Southern Railways," *International Journal of Pure and Applied Mathematics*, vol. 119, no.(10) Special Issue, pp. 1493-1513, 2018.
- [3] Rengarajan. V, Vijayanand. V, Kogila. N, and et al., "A Comparative Study on Awareness and Usage of Digital Payments Among Customers of Private and Public Sector Banks in the Region of Thanjavur and Kumbakonam" *International Journal of Pure and Applied Mathematics*, vol. 119, no.(10) Special Issue, pp. 1515-1528, 2018.
- [4] Nirmala.S.S., Dhivya. M, and et al., "Public opinion on the E-Governance in Madurai District - A Study," *International Journal of Pure and Applied Mathematics*, vol. 119, no.(10) Special Issue, pp. 1481-1492, 2018.
- [5] Natarajan. R, Porkodi. T, and et al., "A Study on Consumer Awareness on Consumer Rights in Dindigul District," *International Journal of Pure and Applied Mathematics*, vol. 119, no.(10) Special Issue, pp. 1529-1540, 2018.
- [6] Sankararaman. G, Nirmala. S.S., and et al., "A Study on Performance of Select Commodities due to Demonetisation ," *International Journal of Pure and Applied Mathematics*, vol. 119, no.(10) Special Issue, pp. 1541-1551, 2018.
- [7] Porkodi. T, "A Study on Consumer Satisfaction and Preference of Colour TV Brands in Tambaram Town.," *International Journal of Commerce*, vol. 6, no.(4) Special Issue, pp. 120-127, 2018.
- [8] Nirmala. S.S, "Buying Behaviour of Urban Women in Trichy District - A Study with Special Reference to Consumer Durables.," *International Journal of Commerce*, vol. 6, no.(4) Special Issue, pp. 93-101, 2018.

[9] Kogila. N, "Trust in E-Commerce: Evaluating the Impact of Third Party Seals," International Journal of Commerce, vol. 6, no.(4) Special Issue, pp. 176-181, 2018.

• **International Conference & National Conference**

- **Conference with ISBN Proceedings :**
- **Other Conferences :**

International Conference

1] A. Rahman, "Hyderabad Conference-International Conference on Science, Technology & Management (ICSTM-2018)", "in The Institution of Engineers India, Visvesvaraya Bhawan, Hyderabad, Telangana, Hyderabad, 2018
In Print Format (sample)

National Conference:

- [1] Porkodi. T, "National Seminar on Consumer Inclusion and Justices – A Paradigm Shift in Digital Era "in Bharathidasan Government College for Women (Autonomous), Puducherry, 2018.
- [2] Kogila. N, "National Seminar on Consumer Inclusion and Justices – A Paradigm Shift in Digital Era "in Bharathidasan Government College for Women (Autonomous), Puducherry, 2018.
- [3] Nirmala. S.S, "National Seminar on Consumer Inclusion and Justices – A Paradigm Shift in Digital Era "in Bharathidasan Government College for Women (Autonomous), Puducherry, 2018.

7. Industry / Institute Collaboration

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
	NSDC and ACCA UK	Academic		Ongoing		

8. MoUs Signed:

S.No	Name of the firm/Institute	Type of Collaboration	Details of MoU			Outcome Expected	Current status
			Day	Month	Year		
	NSDC	Academic					

ESTATE OFFICE FACILITY MANAGEMENT ANNUAL REPORT

Maintenance and Renovation:

1. Face lifting of landscape work done in Banyan Tree, School of Mechanical Sciences Block and Main Road completed
2. Face lifting work in MBA Class room, Pharmacy Dept 1st floor and Second Floor Lab completed
3. Store room extension work completed
4. 400m Track Ground additional flood light fixing and fencing work completed
5. Construction of Driver's Lounge work completed
6. Men's Hostel all block painting work under process & soon completed
7. Men's' Hostel Mosque Painting work completed
8. Dish Wash Machine purchased for Men's & Women's Hostel installation in progress
9. Establishment of Research Scholars cabin for Physics & Chemistry Department work completed
10. Construction of Two wheeler parking near main Gate completed
11. Construction of New Gate near women's Hostel work under process
12. Construction of Palmyra Cafe near Men's Hostel work completed

Project:

1. Erection & Commissioning of New 300kWp Solar Power Plant
2. Establishment of Crescent Innovation and incubation Council. Area 8000Sft out of 23000Sft cost Rs.25,00,000 in Men's Hostel campus.
3. Establishment of Crescent School of Business. Area 6000Sft. Cost Rs.34,00,000

4. Establishment of Centre for Innovation in Teaching & Learning Area 1000Sft. Cost Rs.14,00,000/-
5. Establishment of Centre for Leadership. Area 1000Sft. Cost Rs.6,00,000
6. New Architecture Block Completion of 7th floor Studio & Lecture Hall. Area 4000Sft. Cost Rs.40,00,000
7. Formation of new road about 1Km around School of Mechanical Science Block
8. Establishment of New Civil Lab with Three Class rooms.
9. Establishment of Solid Waste Management Yard
10. 18 Nos New class room @ 750Sft.Total 13500 Sft
11. 100% completion of New Architecture block @ 1,00,000Sft fully functional
12. Renovation of Hostels
13. Establishment of Parents waiting hall @ 1500Sft at Men's Hostel.
14. Commissioning of Eco bin 250Kg capacity work has been completed and working satisfactory
15. New Basket Ball ground created
16. Establishment of Robo lab in School of Mechanical Science Block 1st floor. This has been designed to accommodate 36 working station with fully A/C LAB