

**B.S.ABDUR RAHMAN
UNIVERSITY**

B.S.ABDUR RAHMAN INSTITUTE OF SCIENCE & TECHNOLOGY
(Estd.u/s 3 of the UGC Act, 1956)



ANNUAL REPORT

2015 - 16



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From the Vice Chancellor's desk

We at B.S. Abdur Rahman University have started our proactive reforms through restructuring our academic programmes based on the present day needs and completely revised curriculum and syllabi with program objectives and outcomes, course objectives and outcomes were introduced to the freshers of all UG and PG programs. It is appropriate to mention that B.S. Abdur Rahman University is one of the few Universities who have introduced the Outcome Based Teaching Learning Process in the Country.

The University has introduced project based learning, problem based learning and activity based learning from this academic year. Peer Assisted learning has been introduced from last semester in the Hostel and the University.

The University faculty members are associated with a number of sponsored research projects both from industry and from government agencies such as DST, DRDO, CSIR, NRB, MNRE, UGC, AICTE, etc. 25 projects are ongoing at a cost of Rs 500.84 lakhs and already 30+ projects have been completed worth Rs 384 lakhs. During the academic year 2015-16, 4 major projects were sanctioned from Government funding agencies to the tune of Rs 94.24 lakhs.

The progress made in the research activities is commendable. More than 2500 publications have been made so far. The h-index of this University is currently 28. The average citation index is 4.05 and the average impact factor of journal is 1.67. 67 publications of this University have got more than 10 Scopus Citations. In addition about 40 text books have been authored by our faculty.

The Faculty Training Academy of our University takes care of the newly recruited faculty members and offers them training in pedagogy, teaching & learning and also conducts workshops on Cutting Edge Technologies. The Women Empowerment Cell, Apple iOS Centre, Students Cultural Centre, IAS Training Academy, Rotaract Club, NSS, which make the Campus vibrant.

In the academic year 2015-16, 402 students have got placed through 53 companies and the recruitment process is in progress. We also conduct multiple online Training Programs to train the students for getting huge placement through on campus / off campus recruitment drives.

To take the University forward, a one day Workshop on “Transforming B.S. Abdur Rahman University” was organized with all the stakeholders of the University namely, Students, Teachers, Alumni, Employers and Parents. Targets were fixed for next three years on nine parameters namely, Admission, Academics, Research, Branding, Student Engagement, International Collaboration, Alumni and Industry, Placement, Facilities and Infrastructure.

Many important programmes were conducted to mention a few, International Development Design Summit in collaboration with HIVE Innospace, US Global Development Lab and IDIN, Industry-Institute Meet, establishment of Dr. A.P.J. Abdul Kalam Innovation Centre, The Summer Internship for school students, Parent-Teacher Meeting, Open House and Exhibition.

I am confident that this Annual Report will bring the remarkable progress that the University has made during the last year, and I look forward to an exemplary growth in the coming years too.

I wish to place on record the co-operation and efforts of the Registrar, Director (Admissions), Deans, Directors, Professor of Eminence, Head of the Departments, all the faculty members, technical and administrative staff of our University.

Dr. V.M. PERIASAMY
Vice-Chancellor



UNIVERSITY VISION AND MISSION

VISION

B.S. Abdur Rahman 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 University
- ❖ 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

CHAIRMAN (BOARD OF MANAGEMENT)

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

VICE - CHANCELLOR

Dr. V.M. PERIASAMY, B.E., M.E., Ph.D.

REGISTRAR

Dr. V. MURUGESAN, M.Sc., M.Phil., Ph.D

DIRECTOR (ADMISSIONS & CAMPUS DEVELOPMENT)

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

CONTROLLER OF EXAMINATIONS

Dr. I. MOHAMMED BILAL, M.Sc., Ph.D.

ACADEMIC

DEAN (ACADEMIC AFFAIRS)

Dr. T.R. RANGASWAMY, B.E., M.E., Ph.D.

DEAN (ACADEMIC RESEARCH)

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

DEAN (STUDENT AFFAIRS)

Dr. S. SYED MOHAMED ABDUL MAJEED, M.Sc., M.Phil., Ph.D.

DEAN (SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES)

Dr. K.M. MEHATA., M.Sc., Ph.D.

DEAN (SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES)

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

DEAN (SCHOOL OF INFRASTRUCTURE)

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

DEAN (SCHOOL OF MECHANICAL SCIENCES)

Dr. M. MURUGAN, B.E., M.E., Ph.D.

DEAN (CRESCENT SCHOOL OF ARCHITECTURE)

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

DEAN (CRESCENT BUSINESS SCHOOL)

Dr. S.K.G. GANESH, B.E., M.S., M.B.A., PH.D.

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. A. SHAHIN SULTANA, M.A., B.Ed., M.Phil., Ph.D.

DEAN (SCHOOL OF ISLAMIC STUDIES)

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

DIRECTOR (SPONSORED RESEARCH & CONSULTANCY)

Dr. V. MURUGESAN, M.Sc., M.Phil., Ph.D.

DIRECTOR (POLYMER NANOTECHNOLOGY CENTRE)

Dr. R. VASANTHA KUMARI, M.Sc., Ph.D.

DIRECTOR (INTERNATIONAL COLLABORATION)

Dr. S. PRINCE AROCKIA DOSS, M.Sc., B. Tech., 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. R. SHRIRAM, B.E., M.E., Ph.D.

DIRECTOR (CENTRE FOR ENERGY RESEARCH AND STUDIES)

Dr. S. BEER MOHAMED, B.Sc., M.S., M.E., Ph.D.

HEAD OF THE DEPARTMENTS

SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Dr. SHARMILA SANKAR, B.E., M.S., M.E., Ph.D.

DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. LATHA TAMILSELVAN, B.E., 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. K.N. SRINIVAS, M.E., Ph.D.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Dr. D. NAJUMNISSA JAMAL, B.E., M.E., 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. P. VASANTHAKUMAR, B.E., M.S., Ph.D.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Dr. M. SUBRAMANIAN, B.E., M.E., MBA, Ph.D.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. R. RAJARAMAN, B.Sc., B.Tech., M.E., Ph.D.

DEPARTMENT OF POLYMER ENGINEERING

Dr. S. SYED MOHAMED ABDUL MAJEED, M.Sc., M.Phil., Ph.D.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

Dr. I. RAJA MOAHMED, M.Sc., M.Phil., Ph.D.

DEPARTMENT OF CHEMISTRY

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

SCHOOL OF SOCIAL SCIENCES & HUMANITIES

DEPARTMENT OF ENGLISH

Dr. REVATHI VISWANATHAN, M.A., M.Ed., Ph.D.

OTHERS

DEPARTMENT OF PHYSICAL EDUCATION

Dr. S. CHANDRAN, B.Sc., B.P.Ed.,M.P.Ed., M.Phil., Ph.D.

LIBRARIAN

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

PLACEMENT & TRAINING CELL

Mr. S. MOHAMED TAJUDEEN, B.Tech, MBA.

SUMMARY

The University is guided by Mr. Abdul Qadir A. Rahman Buhari, Chairman Board of management and administered by a team headed by Dr.V.M. Periasamy, Vice Chancellor, and Dr. V. Murugesan, Registrar. University is making sincere efforts to achieve excellence in Teaching - Learning process, Research and Extension activities.

ACADEMIC

NBA Visit:

National Board of Accreditation (NBA) team visited during 24 - 26 April 2015 and awarded accreditation to the following programmes with effect from 01.07.2015.

- M.Tech – Structural Engineering for 2 years
- M.Tech – Computer Science & Engineering for 2 years
- M.Tech – Power System Engineering for 2 years



An expert team for Accreditation by NBA is likely to visit our University during the second week of April 2016, for accrediting the M.Tech Programmes viz.,

- 1) M.Tech. (Construction Engineering & Project Management)
- 2) M.Tech (CAD- CAM)
- 3) M.Tech. (Power Electronics and Drives)
- 4) M.Tech. (VLSI & Embedded Systems)
- 5) M.Tech. (Information Technology)

COUNCIL OF ARCHITECTURE VISIT:

An expert team from Council of Architecture is going to visit during April 2016 to sanction an additional intake of another 40 seats for the B.Arch programme and also to start a new programme in Master of Architecture from the academic year 2016-17.

NATIONAL INSTITUTIONAL RANKING

HRD Ministry has evolved a new frame work to rank the Institutions in India. In this connection our Institution has been registered for Institutional ranking in three categories namely, i) University, (ii) Engineering Institution & (iii) Management School and all the required data have been successfully uploaded in the required format in January 2016.

BOARD OF MANAGEMENT & FINANCE COMMITTEE MEETING

- ❖ 9th meeting of the Board of Management held on 10.2.2016 and 25 agenda items were discussed.
- ❖ 9th meeting of Finance Committee held on 10.2.2016 and 10 agenda items were discussed.

The Schools and Department attached is shown below:

SI.No	Schools	Departments
1.	Crescent School of Architecture	
2.	School of Infrastructure	Civil Engineering
3.	Crescent Business School	
4.	School of Computer, Information and Mathematical Sciences	Computer Applications Computer Science Engineering Information Technology Mathematics & Actuarial Science
5.	School of Electrical and Communication Sciences	Electrical and Electronics Engineering Electronics and Communication Engineering Electronics and Instrumentation Engineering
6.	School of Islamic Studies	
7.	School of Life Sciences	
8.	School of Mechanical Sciences	Aerospace Engineering Automobile Engineering Mechanical Engineering Polymer Engineering
9.	School of Physical and Chemical Sciences	Chemistry Physics
10.	School of Social Sciences and Humanities	English

ACADEMIC COUNCIL

The Eighth Meeting of Academic Council was held on 14.7.2015.

- ❖ Five external experts participated in the 8th Academic Council Meeting namely, Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University, Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd., Dr. Jagadesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai, Mr. K. Bhaskar, Technical Manager, Embedur Systems, Chennai in addition to internal members.



- ❖ About 20 agenda items were discussed in the meeting including minor revision in the syllabus of some courses in UG and PG programmes. These agenda items were approved after detailed discussions.

PROJECT BASED AND PEER ASSISTED LEARNING:

- ❖ University has introduced project based learning and peer assisted learning from the last semester (academic year 2015-16).
- ❖ All the Lab courses for all programmes were enhanced with industry oriented lab experiments from the last semester (academic year 2015-16).

INTERNAL QUALITY ASSURANCE CELL (IQAC)

- ❖ Internal Quality Assurance Cell report for the academic year 2014-15 was submitted to NAAC and also uploaded in our Website on 10th June 2015.
- ❖ The IQAC report for the year 2014-15 was placed in the 8th meeting of academic council held on 14th July 2015 and got ratified.
- ❖ Periodic meetings of the cell were held to discuss to enhance the academic, research and extension activities.
- ❖ The Academic Administrative Audit was conducted on 1.4.2015. The former Vice Chancellor of Bharathidasan University, Dr. C. Thangamuthu, along with seven experts from reputed institutions conducted the audit by visiting all the schools, departments, administrative office and other common facilities.
- ❖ A three day Quality Assurance Workshop for all faculty members held during 13th, 15th & 16th July 2015.

BRIDGE COURSE AND REFRESHER COURSE

- ❖ **Bridge course** was conducted for the lateral entry students admitted during 2015-16 from 22nd June 2015 to 15th July 2015. Four courses namely, Engineering Mathematics, Engineering Mechanics, Communication Skills and Computer Fundamentals (Theory and Practical) were conducted for the lateral entry students. 60 students attended the bridge course and 5 faculty members guided the students.
- ❖ **Refresher course** was conducted from 22.6.2015 to 15.7.2015 for the benefit of students who were admitted in the first year B.Tech. programmes in June 2015. Five courses namely; English, Mathematics, Physics, Chemistry and Fundamentals of Computing were conducted for Fresher's. 20 faculty members handled the courses for 192 students. Course materials for all courses were prepared and distributed to students.

4. Electronics & Communication Engg.	---	01
5. Electrical & Electronics Engineering	---	11
6. Electronics & Instrumentation Engg.	---	02
7. Information Technology	---	03
8. Mechanical Engineering.	---	27

TOTAL 66

PG PROGRAMME:

M.Tech Programmes

1. Structural Engineering	---	33
2. Construction Engineering & Project Mgt.	---	21
3. CAD – CAM	---	03
4. Manufacturing Engineering	---	04
5. Power System Engineering	---	04
6. Power Electronics and Drives	---	03
7. Communication Systems	---	04
8. VLSI & Embedded Systems	---	05
9. Electronics and Instrumentation Engg.	---	02
10. Computer Science & Engineering	---	03
11. Information Technology	---	02

TOTAL 84

M. Sc. Programmes

M.Sc. Actuarial Science	---	04
M.Sc. Biotechnology	---	03
M.Sc. Chemistry	---	02
M.Sc. Physics	---	09
M.Sc. Microbiology	---	04
M.Sc. Bio Chemistry	---	03

TOTAL 25

M.B.A --- 74

M.C.A.(Lateral Entry) --- 75

TOTAL 149

RESEARCH PROGRAMME:

Ph.D. – 2015:	July'15	January'15
1. Civil Engineering	---	04 03
2. Computer Science Engineering	---	07 ---
3. Mechanical Engineering	---	03 01
4. Electrical & Electronics Engineering	---	02 03

5. Electronics & Communication Engineering	---	05	---
6. Electronics & Instrumentation Engineering	---	01	---
7. Economics	---	01	---
8. Polymer Technology	---	01	01
9. Management Studies	---	07	---
10. Computer Application	---	04	---
11. Mathematics	---	03	---
12. Physics	---	02	---
13. Chemistry	---	05	---
14. English	---	01	---
15. Islamic Studies	---	01	---
16. Architecture	---	01	---
17. Automobile Engineering	---	03	02
18. Life Science	---	01	02
		-----	-----
		52	12
		-----	-----

CONVOCATION FOR UG / PG PROGRAMMES

- ❖ **The Fifth Convocation** for all UG / PG programmes of B.S. Abdur Rahman University was held on 12th and 14th October 2015.
- ❖ The Chief Guest for the Convocation on 12th October 2015 was Mr. Rajeev Rambalisingh Kumar, Global Head, Campus Hiring, Wipro Limited.
- ❖ The Chief Guest on 14th October 2015 was Mr. B. Santhanam, President and M.D., Flat Glass – South Asia, Malaysia & Egypt, Saint –Gobain India Pvt. Ltd.
- ❖ Total 769 students were awarded with B.Tech degree in various discipline of Engineering and 29 students were awarded B.A. degree in Islamic Studies.
- ❖ 412 students were awarded PG degree, out of which 11 with Ph.D., 1 with M.Tech. (by research) 232 with M.Tech., 79 with MBA, 77 with MCA and 11 with M.Sc.



- ❖ The School of Islamic Studies is academically collaborated with Kilakarai Bukhari Aalim Arabic College to impart Islamic Studies for the courses related to Aalim Al bukhari Sanad Program. The Convocation was held in April, in which 73 graduates received their Aalimi Al Bukhari Sanad. Mr. SMM Mazahir, Dean, Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka was the chief guest.



UG DEGREE PROGRAMME

B.Tech. /B.Arch./B.A. DEGREE PROGRAMME

Branch	Obtained Degree	I Class with Distn	I Class	II Class
Civil Engg.	110	10	50	50
Mech. Engg.	178	20	107	51
Polymer Engg.	10	--	9	1
EEE	50	6	21	23
ECE	168	26	108	34
E&IE	37	2	16	19
CSE	112	20	67	25
IT	54	4	35	15
Aerospace Engg.	21	4	14	3
Auto	21	2	8	11
B.Arch	30	-	13	17
Mech Engg. (Part time)	30	5	22	3
EEE (Part time)	29	3	21	5
B.A. Islamic Studies	29	3	21	5
Total	769	95	462	212

PG PROGRAMME

M.B.A. / M.C.A. DEGREE PROGRAMME

Programmes	Obtained Degree	I Class with Distin.	I Class	II Class
M.B.A	79	17	53	9
M.C.A	77	15	56	6
Total	156	32	109	15

M.TECH. DEGREE PROGRAMME

Programmes	Obtained Degree	I Class with Distin.	I Class	II Class
Structural Engineering	36	11	23	2
Construction Engg. & Project Management	21	4	15	2
CAD/CAM	7	2	3	2
Manufacturing Engineering	13	2	9	2
Power Systems Engineering	18	4	13	1
Power Electronics & Drives	7	3	4	---
Communication Systems	24	7	17	---
VLSI	27	6	20	1
Electronics & Instrumentation Engg.	11	1	10	--
Computer Science & Engg.	24	8	16	---
Software Engineering	18	5	13	--
Information Technology	13	1	11	1
Opto Electronics	13	5	8	---
Total	232	59	162	11

M.TECH. (By Research) PROGRAMME

Programmes	Obtained Degree
M.Tech. (By Research) – Polymer	2

M.Sc. DEGREE PROGRAMME

Programmes	Obtained Degree	I Class with Distin.	I Class	II Class
M.Sc. Chemistry	4	1	3	--
M.Sc. Actuarial Science	5	2	2	1
M.Sc. Microbiology	1	0	1	--
M.Sc. Genetics	1	1	--	--
Total	11	4	6	1

PH.D. PROGRAMME

Programmes	Obtained Degree
Ph.D – Polymer	1
Ph.D. - ECE	2
Ph.D. - CSE	1
Ph.D. – Mechanical	1
Ph.D. – Civil	1
Ph.D. – Physics	4
Ph.D. – English	1
Total	11

STAFF AS ON DATE

Teaching staff:

Vice Chancellor / Registrar / Directors (3) /		
Professional Counsellors (1)	-	6
Professor of Eminence	-	4
Professor	-	58
Associate Professor	-	28
Assistant Professor (Sel.Gr.)	-	18
Assistant Professor (Sr.Gr.)	-	56
Assistant Professor	-	177
Visiting Fac/Scientist/Artist	-	11
School of Islamic Studies Faculty	-	5
Physical Education	-	2
Placement & Training Officer	-	1
Library	-	4

Total Faculty	-	370

Faculty Appointed in the year 2015	-	36
Faculty Left in the year 2015	-	42
Faculty with Ph.D.	-	132
Faculty pursuing Ph.D.	-	196
Faculty acquired Ph.D. in 2015	-	11

Non Teaching staff:

Technical staff	-	109
Administrative Staff	-	74
Office Assistant	-	56

Total staff	-	239

TRANSFORMATION OF B.S.A.U AS GLOBAL PLAYER IN HIGHER EDUCATON

- ❖ Our Chairman is taking sincere effort to transform our University to next higher level. In this connection, our Chairman arranged a high-level workshop on "Transformation of B.S. Abdur Rahman University to lead University in the country" for two days during 19th and 20th April 2015 at Confluence Banquets and Resorts, Mahabalipuram.
- ❖ 45 staff members of B.S.A.U. in all levels, 15 students of various departments, 10 Alumni occupying senior positions in Industries and 2 parents attended the workshop. Nine Parameters were identified to focus to transform the University.

- ❖ Targets were fixed for next three years on nine parameters namely, Admission, Academics, Research, Branding, Student Engagement, International Collaboration, Alumni and Industry, Placement, Facilities and Infrastructure. Coordinators along with the members of the theme belonging to 9 parameters initiated the work to achieve the goal. Some of the targets are already achieved and the others are in the pipeline.

MHRD's QEEE pilot programme

B.S. Abdur Rahman University along with Computer Applications Department successfully launched live classes of MHRD's QEEE pilot programme for Engineering students for the following subjects during August 2015 – October 2015.

- Chemical Reaction Engineering
- Control Systems
- Fluid Mechanics
- Construction Planning and Control
- Smart Phone Computing
- Space Time codes MIMO and Massive MIMO Part1- Wireless communication
- Digital Signal Processing
- Data Structures & Algorithms
- Machine Design
- Chemical Reaction Engineering
- Software Engineering



PARENT TEACHERS MEETING

About 1200 parents participated in the Parents-Faculty meeting held on 19th September 2015. Initially the parents assembled in the auditorium. VC, Dean (Academic courses), Director (Admissions), Dean (students) and Hostel warden addressed the parents. They explained the various steps taken by the administration and faculty members for the benefit of our University students like project based learning, peer-assisted learning, SMS to parents about the progress of their wards, the facilities available in the various laboratories and the special care given to students to improve their employability. After the meeting in the auditorium, the parents met the concerned class advisors to get to know about their wards in academic and other activities. The parents also saw the various facilities in the campus. Overall it is a good exposition of our facilities. All the parents appreciated our efforts.



OPEN HOUSE EXHIBITION

The B.S. Abdur Rahman University has organized an “Open House & Exhibition” on 16th & 17th October 2015 at its University campus, Chennai.



The Open House & Exhibition was inaugurated by Dr. V.M. Periasamy, Vice Chancellor of B.S.A.U. The exhibition arranged to showcase the Technological developments and Advancements in the fields of Science, Engineering and Technology. The exhibition attracted around 4000 visitors from the City schools including, students, parents and teachers. The students had an opportunity to see the various laboratories associated with different branches of Engineering and Sciences and got a broad idea about the various branches of study.

ISO 9001:2008

Internal audit for ISO9001:2008 certification was conducted by the internal auditors on July 25 & 27, 2015 and the corresponding findings were reviewed in the ‘Management Review Meeting’ on August 18, 2015. The university underwent “Re-certification audit” by M/s DNV-GL on August 25 and 26, 2015 and has subsequently been Re-certified for ISO 9001:2008 management system

CRESTECH

Student level symposium organized by all departments under the banner of CRESTECH during 16th to 19th March 2016 - [ECE (IMPULSE), CA (CYBERCREST), EIE (PRECISION), Civil (CIVICLAN), EEE (CYGNUS), Polymer Engineering (MACRON), Mech (CONFLUENCE), IT (ICON), Aero (JET SCREECH), Auto (AUTO HUNT), CSE (ARCANE)] , Biotechnology (EXON) and around 800 students from 40 various institutions participated. The events conducted during this symposium are Paper presentation, technical quiz, design of webpage, robotics, technical dumb-C, recruitment room (mock interview), project display and so on.

CRESCIENCE’ 15 was conducted by department of Physics in SSSH for the benefit of first year students on 18th March 2015. Dr. K. Chandrakumar, inaugurated the state level science level seminar. More than 250 students from different institutions participated in the events such as paper presentations, project display, photo exhibits, etc.

ENDOWMENT LECTURE

The second Endowment Lecture to honour Prof. S Peer Mohamed (former Principal & Correspondent, B S Abdur Rahman Crescent Engineering College, now B S Abdur Rahman University) was conducted on 5th October 2015 at the Convention Centre of B S Abdur Rahman University. The chief guest Dr. Arbind Prasad, Director General, FICCI, New Delhi delivered lecture on “Indian Higher Education: Vision 2030”.

SUMMER SCIENCE INTERNSHIP FOR SCHOOL STUDENTS

A novel initiative for school students conducted by BSAU during May 4th 2015 to 22nd May 2015. With a view to “Catch them young” the University has selected 30 talented students from the creamy layer of passed out 10th std students from nearby schools in and around University, Vandalur area to “create an aptitude and passion in science and build a career” from it. This Internship was arranged by B.S. Abdur Rahman University as a social outreach programme for the benefit of semi urban and rural students in and around University.

This is a special privilege for these students with rare potential to do a research project under the guidance of a senior professor from the University. This hands on experience for the students in the laboratory will be quite useful for them to pursue science as a career option and motivate them to do research in future.

Out of 30 selected students 11 students did project in Life Science, 7 in Chemistry, 8 in Physics, 2 in polymer and 2 in Nano Centre. Best three projects were awarded and appreciated.



MoUs SIGNED

- INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS, IUPUI, USA: A letter of intent exchanged on 16th March 2015 .
- MOU WITH UNIVERSITY OF VIRGINIA, USA signed on on 8th February, 2016.
- MoU with M/s.Jasmin Infotech, Chennai on 04-02-2016.
- MoU with National Instruments, Bangalore on 17.02.2016
- Signed MoU with National Entrepreneurship Network(NEN), Bangalore on 25.02.2016
- MOU was signed with Pentagrit Research on June 15, 2015 to initiate research collaboration in drug screening utilizing tissue chip technology.
- MoU Thassim Beevi Abdul Kader College for Women
- MOU was signed with Thassim Beevi Abdul Kader College for Women. Kilakarai on 20th August, 2015 to initiate research collaboration
- MOU was signed with Medall Medical Academy on 17th August 2015
- MOU was signed with Xinovem Company located at Women Technology Park, Siruseri, Chennai on February, 1, 2016
- RELIANCE JIO - WIFI AGREEEMNT signed between BSAU and Reliance Jio Infocomm Ltd on 30th Sep 2015 to enable our Institution with 4G LTE

Technology which will take B.S.ABDUR RAHMAN UNIVERSITY into the exclusive Club of 4G Enabled Educational Universities & Colleges in the World.

- MoU has been signed between B.S. Abdur Rahman University, and Tamil Nadu Pollution Control Board, Maraimalai Nagar, Kancheepuram District on 8th February 2016.

INDUSRY INSTITUTE MEET ORGANISED

An Industry Institute Interaction was organized on 10th October 2015 to facilitate interaction and also identify the industry needs from future employers. Paving the way to invite industry professionals for the development of curriculum and syllabus of our UG and PG porgrammes, the meet had over 150 organizations from various fields. There were representative from leading IT including TCS, CTS, Wipro and Infosys. Apart from them, there were participants from automobile, IT, manufacturing, civil, healthcare, instrumentation, plastic, marketing and pharmaceuticals. This interaction was conducted to reduce the gap between all stakeholders in the process education and industry.

ISTD

Literary Day 2015:

Literary Day 2015 was conducted on 31st October 2015, the biggest success story of the year was written with the entire ISTD-C team working brilliantly to make Literary Day '15 happen. The day had 15 events and 150+ participants turned up for making the event successful.



ORION 2015

Annual Cultural Festival (ORION) was conducted on 27th & 28th February 2015 in our University.

NSS

- ❖ NSS Cell of our University organized Blood Donation Camp in association with Crescent Blood Donors on 3rd November (Tuesday) 2015.
- ❖ NSS special camp was organised for five days from 9th to 15th March 2016 at Keerapakkam Village.



CRESCENT BLOOD DONORS

Crescent Blood Donors-An organization volunteered by college students mainly formed to help the poor people in case of their emergency need for blood at free of cost.

CBD does many social activities along with Blood Donation like Lake Cleaning, Wall painting, Orphanage Visit, etc.

BLOOD DONATION

CBD arranges blood donors for the poor patients who are admitted in the government hospitals all over Tamil Nadu. It also conducts various awareness programs to promote blood donation.

SCRIBE

Writing exams for the visually challenged is also done by the volunteers of CBD. A separate wing called CRESCENT SCRIBE WING is created especially for this purpose and it is active in arranging scribe requirements.

WALL PAINTING

CBD took an initiative called "It's our city, so we keep it clean". On this accord volunteers tear the posters that are pasted on the city walls and paint them with good slogans that promote blood donation.

BIKE RALLY

CBD conducted a bike rally to promote blood donation and tree planting. A 50km ride in the busy streets of Vandalur by three major bikers group in Chennai.

TRAFFIC AWARENESS

Weekly once (mainly on Saturdays and Sundays) CBD conducts traffic awareness program. Volunteers wearing CBD T-shirts, hold the pluck cards in their hands and insist the travellers on road safety measures and traffic rules.

LAKE CLEANING

CBD does all it could to create a way for a better nation. Lake Cleaning is one among them. Volunteers put all their might in removing the garbage that are being dumped in the lakes.

ORPHANAGE VISIT

Orphanage visit is one of the routine works of CBD. Volunteers buy and collect rice, clothes, etc. for the children in orphanage homes. They visit the most remote orphanages that are in desperate want of care and distribute the materials to them along with their love and care.

FLOOD RELIEF AND MEDICAL CAMP

CBD's flood relief works made everyone spellbound. During the flood, CBD volunteers spent days and nights in rescuing the people, regardless of their own health and safety. Even after the flood they got themselves involved in cleaning activities and in providing the necessities to the flood affected families including the medical assistance.

ACADEMIC RESEARCH

PRELUDE:

As BSAU is aiming to become a “Research Intensive University”, the Vision and Mission statements are prepared accordingly and the same is given wide publicity among the Research Scholars and Faculty members.

In order to provide Policy guidelines and direction for the research activities, a Research Advisory Committee and Research Board are in place.

Periodical Conferences (International & National), Seminars, Workshops, Development Programmes, Training Programmes are conducted by the various departments of this university in the latest and upcoming Research areas

RESEARCH INCENTIVE SCHEME FOR THE FACULTY MEMBERS:

The Scope of the Research Incentive Scheme includes the following:

- To motivate faculty members to concentrate on Research related activities in addition to teaching, so as to publish research papers in refereed National and International Journals with high Impact Factor.
- To pursue efforts to write books, monographs for publication by National and International publishers of high repute.
- To establish Collaborative Research Projects with reputed foreign universities.
- To secure Funded Research Projects from various funding agencies both in India and Abroad.
- To undertake consultancy projects sponsored by both Government and Private, Industrial and other organizations.
- To obtain patents through original contributions by way of product developments.

This is an annual award and credits are ear marked for the above said categories. For each credit earned, a sum of Rs. 15,000/- will be paid. For fraction credits, the amount will be proportionally allocated. This is the fifth time, we are offering this award to our faculty members. The period under consideration is 1st July 2013 to 30th June 2014.

Sl.No.	Year	No. of Faculty	Amount awarded
I	2009-10	14	1,73,445
II	2010-11	19	2,22,086
III	2011-12	31	3,83,875
IV	2012-13	62	7,33,280
V	2013-14	59	5,61,063



Mr. Abdul Qadir A. Rahman Buhari, Chairman (Board of Management) distributed the cash award to the faculty members.

TRAINING PROGRAMMES OFFERED

- ❖ Mr. Rashmikanth Joshi, Managing Director and Mr. Harish Nachnani, National Sales Manager, Festo Control Private Limited, Bangalore visited BSAU on 24th July, 2015 to present roadmap for establishing Industrial Automation and Controls Lab at BSAU and explore partnership initiatives between BSAU and Festo Controls Private Limited.



- ❖ A delegation of Students and Faculty from University Technology Mara, UiTM, Malaysia, visited B S Abdur Rahman University for a Student Exchange Program starting from 1st August, 2015 to 4th September, 2015 to learn best practices in teaching and research at our University.



- ❖ Indiana University Purdue University Indianapolis, IUPUI, USA Delegation Visited BSAU



- ❖ A six member delegation team from BSAU Visited Festo Global Production Centre, Inida



- ❖ Delegation From Festo Controls Private Limited, BANGALORE, Visited BSAU



ABET Accreditation

Dr. R. Raja Prabu, Dean (AR) attended a Workshop on “ABET Accrediation & Programme Assessment Workshop” at Chennai on 28.09.2015.

INTERDISCIPLINARY PROGRAMMES CONDUCTED

In order to take the research to the grass root level, an unique “Research Forum” is established.

The major focuses of Research Forum include the following:

- To bring in research ambience among the faculty members, research scholars and P.G. students
- To create an awareness regarding the research work carried out by fellow researcher in a department/school to facilitate collaborative research
- To motivate interdisciplinary research proposals to funding agencies
- To educate the research scholars about the facilities such as equipment, machineries, software etc. available in each department/school
- To enlighten the state-of-art technologies to scholars through special lectures on contemporary research topics by renowned experts in key areas
- To discuss recent hot research articles and to get innovative ideas for further research
- To develop strengths of existing researchers by conducting workshops on different hardware/software used to facilitate research

Several interdisciplinary research experiments are being pursued at our University and some of them are mentioned below, to highlight the same.

- Food preservation using high voltage pulses
- Outdoor polymeric Insulators
- Cancer treatment using “Pulsed Electric Field”
- Biodegradable plastics
- Polymeric Nano Capacitors

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

List of Lectures arranged - Research Forum:

Sl. No.	Topic of the Guest Lecture	Name of the Speaker	Affiliation of the Speaker	Date
1.	Outdoor Polymeric Insulators	Dr. R. Raja Prabu	Prof. / EEE, Dean (Academic Research) and Advisor (Research Forum)	25.05.2015
2.	Electro Chemotherapy for effective Cancer Treatment	Dr. R. Raja Prabu	Prof. / EEE, Dean (Academic Research) and Advisor (Research Forum)	25.05.2015

3.	Impact of mycotoxins: Identification of molecular mechanisms by recombinogenic approaches and protection by small molecules	Dr. S. Hemalatha	Professor & Dean (School of Life Sciences)	25.05.2015
4.	Molecular imaging in disease diagnostics	Prof. Ammasi Periasamy	University of Virginia, USA	24.06.2015
5.	Process Optimization using Swarm Intelligence	Dr. U. Sabura Banu	Professor / EIE	10.07.2015
6.	Salient Region Detection by Improving Image Clarity of Fused Images	Dr. B. Vijalakshmi	Professor / ECE	10.07.2015
7.	A New Approach to Fast Handover of Mobile Nodes in Wireless Network	Dr. V. Sankaranarayanan	Professor & Advisor FTA	29.08.2015
8.	Process Monitoring in Metal Cutting - An Overview	Dr. M. Murugan	Professor & Dean (School of Mechanical Sciences)	29.08.2015
9.	Design Thinking and Innovation	Ms. Yasmeen Fatimah	University of USA	10.09.2015
10.	Under Expanded Jets Issuing From Asymmetric Sonic Nozzles	Dr. E. Rajakuperan	Professor / Aerospace	18.09.2015
11.	Retrofitting of Structures Using Fibre Reinforced Polymer Composites	Dr. J. Revathy	Professor / Civil	18.09.2015
12.	Impact of Nanotechnology on Research in Science and Engineering	Dr. S.S.M. Abdul Majeed	Professor & Head / Polymer	30.10.2015
13.	Application Studies of Metal Oxide Nanoparticles on Organic Transformations	Dr. S. K. Rani	Professor & Dean (SPCS)	30.10.2015
14.	Towards the Next Generation of Biomarkers	<i>Dr. Samarjit Das</i>	John Hopkins University, USA.	17.12.2015
15.	Effect of atomic oxygen on spacecraft charging properties	<i>Dr. Noor Danish Ahrar Mundari</i>		06.01.2016
16.	Evaluation Of Oxygenated Diesel On Combustion And Performance Characteristics In A Diesel Engine	Dr. M.Subramanian	Professor & Head / Automobile	13.02.2016
17.	Discrete Wavelet Transform for Image Processing	Dr. N. Nithiyandam	Professor Of Eminence	13.02.2016

To emphasize the quality aspects of Research, Periodical training / Workshop on March 2015. For e.g. A one day workshop on “Quality Assurance in Academic & Sponsored Research” is conducted by Office of Dean (AR). The topics covered are given below.

Sl. No.	Topic	Name of the Speaker
1.	Pursuing Research – An Overview	Dr. V. M. Periasamy
2.	How to write Good Research Papers?	Dr. V. Sankaranarayanan
3.	Funded Project & Sponsoring Agency	Dr. V. Murugesan
4.	Demo on “Grammarly” - Writing Support Tool & “Turnitin” – Plagiarism Check	M/s. Bridge People
5.	Effective Usage of Library for Research	Dr. S.S.M. Abdul Majeed
6.	General Mathematical Tools for Research	Dr. M. Murugan
7.	Research Metrics in Quality Research	Dr. R. Raja Prabu

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- GE Research at Bangalore with Chairman & Registrar on May 2015
- Workshop at ABET on Sep 2015
- ACU on Oct 2015
- Workshop at NIRF on Dec 2015

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES FOR THE PERIOD JAN 2015 to DEC 2015

National Conference	International Conference	National Journal	International Journal	Total
118	190	98	219	625

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

B.S.A.U. RESEARCH PUBLICATIONS STATISTICS FROM JAN 2015 TO DEC 2015						
S. No.	Department	2015				GRAND TOTAL
		INJ	NJ	INC	NC	
1	Aerospace	3	0	0	0	3
2	Architecture	3	0	0	0	3
3	Automobile	1	0	2	0	3
4	CSE	30	9	20	2	61
5	Civil Engineering	12	14	4	28	58
6	CBS	10	3	1	3	17

7	CA	8	2	14	3	27
8	Chemistry	11	10	3	6	30
9	ECE	30	20	35	12	97
10	EIE	7	2	22	6	37
11	EEE	10	4	13	5	32
12	English	10	4	2	3	19
13	SSSH	2	0	0	1	3
13	IT	6	1	10	6	23
14	Mathematics	11	5	9	9	34
15	Mechanical	13	6	3	12	34
16	Physics	33	4	1	1	39
17	Polymer Technology	4	1	2		7
18	Library	8	8	2		18
19	School of Life Sciences	5	5	34	14	58
20	School of Islamic Studies	2	0	13	7	22
	GRAND TOTAL	219	98	190	118	625

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

a) RANGE	:	0.204 – 9.284
b) AVERAGE	:	1.67
c) h-INDEX	:	28
d) NO. IN SCOPUS	:	4.104

BOOKS PUBLISHED : 6 Nos

PATENTS (APPLIED): 3 Nos

ACHIEVEMENTS OF STUDENTS

➤ Outcome of Research Scholars

❖ Ph.D Degree from B.S.A.U.

- Thirteen Ph.D. scholars were awarded degree during the Fifth Convocation held on 12.10.2015. 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	1190212	Investigations of Optical, Structural, Antibacterial and Photocatalytic Properties of Doped ZnO Nanostructures	Mr. Ashaq Hussain Shah	Dr. M. Basheer Ahamed
2	1084205	Least Mean Square Error Based Block Truncation Coding For Image Compression	Ms. Chandravadhana	Dr. N. Nithiyandam
3	0992201	Teaching Technical Writing Skills Using Web 2.0 Technology – An Experimental Study	Ms. H. Sofia	Dr. R. Revathi
4	0986201	Cellular Automata and Geometric Models for Propagation of Tsunami Waves	Mr. E. Syed Mohamed	Dr. S. Rajasekaran
5	1184211	Enhancement of Cache Performance in Multi-Core Processors	Mr. S. Muthukumar	Dr. P. K. Jawahar
6	1090206	Growth and Characterization of Nonlinear Optical 4-APMP, Amino acids doped NaAP and DGBCM Single Crystals	Mr. G. Marudhu	Dr. S. Krishnan
7	0990201	Growth and investigation of third order nonlinear optical properties of pure and doped Meta-Nitroaniline, potassium di Chromate (KDC), L-alanine (LA) single crystals	Mr. T. Thilak	Dr. M. Basheer Ahamed
8	1190209	Synthesis and Luminescence Properties of Rare-Earth Doped Molybdate Micro/Nanostructures for Display Applications	Mr. R. Krishnan	Dr. J. Thirumalai
9	1090203	Preparation and Characterization of Technologically important materials using pulsed laser deposition method (Thin Film)	Mr. G. Shanmuganathan	Dr. I. B. Shameem Banu

10	1086211	Fast Handoff in Wireless Network	Mr. K. Regin Bose	Dr. V.Sankaranarayanan
11	0981201	BIO FUELS – Optimization of Biodiesel Production from Pongamia Pinnata, experimental investigation on the combustion characteristics and finding a suitable additive to improve the combustion	Mr. R. Sathish Kumar	Dr. K. Sureshkumar
12	0982202	Studies on Development and Characterization of Polypropylene Based Biocomposites.	Ms. N. Jayachitra	Dr. R. Vasanthakumari
13	0980201	Sustainable Transportation Planning	Ms. K. Yogeswari	Dr. E. Rasul Mohideen

❖ **Sample Photos taken during Vth convocation held on 12.10.2015**



❖ **Ph.D Degree from other universities**

- Four faculty members who were pursuing Ph.D in Anna University were awarded Ph.D degree during this period. The details of the awarded scholars are as follows:

Sl. No.	Name	Dept.	Supervisor Name	Title/Topic Research
1.	Dr. N. Prakash	IT	Dr. T. R. Rangaswamy	Coverage based test case prioritization for regression testing
2.	Dr. S. Shamshath Begum	Polymer	Dr. N. Vedarama	Studies on decolonization of tannery doge waste water

3.	Dr. P. D. Jeyakumar	Mechanical	Dr. G. Devaradjane	Front impact analysis and improvement on a basis mounted bus body structure
4.	Dr. M. Kabeer	IT	Dr. V. Rajamani	Some investigations on numerical simulation of photo detectors for future generation optical communication system

❖ **Viva-Voce Exam completed**

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Date of Viva Voce	Title/Topic Research
1.	Mr. M. Dakshnamoorthy	Polymer	0982205	Dr. R. Vasanthakumari	10.02.16	Nanocomposite for electrode application

❖ **Thesis Submitted**

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Date of Submission of Thesis	Title/Topic Research
1.	Mr. V.K. Mohan Raj	CSE	1086218	Dr. R. Shriram	18.09.15	Power Aware Models for Cloud Computing
2.	Ms. Jainab Zareena	CBS	1093211	Dr. Haider Yasmeen	27.11.15	Employability status of the students studying in Technical Institutions: A comparison of Affiliated colleges, Private and Government Universities of Tamil Nadu.
3.	Mr.T.R.Tamilarasan	Mech	1181211	Dr. R. Rajendran	16.12.15	Study of Electro Deposition Process on Nickel Composite Coating
4.	Mr. L. Kanniappan	Chemistry	1391141	Dr. D. Easwaramoorthi	25.01.16	Kinetics and Mechanism of VO ²⁺ and Cu ²⁺ ions Catalyzed oxidation of Amino acid by Peroxomonosulphate

❖ **Synopsis Submitted**

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Date of Submission of Synopsis	Title/Topic Research
1.	Mr. K. Devarajan	Chemistry	1091207	Dr. S. Bhagavathi	25.03.15	Polymer blends and alloys
2.	Ms. Fouzul Hidayah	CSE	0986203	Dr. Angelina Geetha	25.01.16	Algorithms for Implementing Strategies to Detect and Mitigate Web Application Vulnerabilities
3.	Mr. A. John Peter	Physics	1190211	Dr. I. B. Shameem Banu	02.03.16	Crystal Growth

❖ **Ready for Synopsis Submission**

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Title/Topic Research
1.	Ms. S. Murugeswari	ECE	1084206	Dr. S. Kaja Mohideen	Digital Signal Processing
2.	Ms. G.S. Annie Grace Vimala	ECE	1084208	Dr. S. Kaja Mohideen	Image Processing
3.	Mr. J. Salai Thillai Thilagam	ECE	1084210	Dr. P. K. Jawahar	Wireless Communication
4.	Mr. S.A.Usman Ali	Islamic Studies	1188201	Dr. P.S. Syed Masood Jamali	A Concept of Plural Society in Quran and Hadeeth
5.	Mr. Pervaiz Iqbal	Mathematics & AS	1289215	Dr. P. S. Sheik Uduman	Job sequencing problem by heuristics algorithm
6.	Mr. Md. Izhar Ashraf	CA	1294213	Dr. K. M. Mehata	Network analysis of symbolic sequences with application to linguistic and biological data
7.	Mr. S.K. Lakshmana Prabu	EIE	1385103	Dr. U. Sabura Banu	Optimal Control of MIMO process using swarm intelligence

ANY OTHER INFORMATION

❖ The Meeting of the 24th & 25th Research Boards were held on 22.06.2015 & 12.01.2016 respectively and the highlights of the same are furnished below:

➤ **Highlights of the 24th Meeting of the Research Board**

❖ **Revision of Publication requirements for Approved Supervisorship.**

- After discussing the agenda item in detail, the Research Board decided to recommend to the Vice Chancellor, the following amendment in the Ph.D Regulation 2009, Clause 7.1. The applicant for recognition as Supervisor, shall satisfy the following:

I. Shall be a full time working member of this University.

II. Shall possess a Ph.D. Degree.

III. Shall have a minimum of two publications to his / her credit in refereed journal(s).

❖ **To conduct Ph.D admissions twice a year, i.e. during Jan & July of every year.**

- After discussing this agenda item in detail, the Research Board decided to recommend to the Vice Chancellor to bring back the practice of organizing the Ph.D admissions, two times a year, i.e., during Jan & July of every year, starting from July 2015.

❖ **Revision of B.S.A.U. Fellowship amount.**

- After detailed discussions, the Research Board requested the Dean (Academic Research) to prepare a suitable proposal, taking into account the various fellowships schemes available both in Government and Private organizations for getting the approval from our Vice Chancellor.

➤ **Highlights of the 25th Meeting of the Research Board**

❖ **BSAU Fellowship – Certain Guidelines**

- It is decided to implement all the guidelines with effect from 1st Jan 2016 and resolved to institute 57 fellowships for BSAU as the number of department have been increased from 14 to 19. The required financial approval may be obtained by the registrar.

❖ **Creation of Central Research Facilities**

- It is resolved to establish the Central Research Facilities for BSAU.

➤ **Significant Statistics**

- ❖ More than 124 faculty members of BSAU are recognized as “Approved Supervisors” for guiding the research scholars of this University.
- ❖ 213 faculty members of BSAU are pursuing Ph.D research in various universities.
- ❖ 173 candidates were admitted into Ph.D programme of our university during July 2015 & January 2016 session(s).
- ❖ As on date, 469 research scholars are pursuing research in our university in various research topics.
- ❖ Currently, there are 30 Junior Research Fellows and 05 Senior Research Fellows are pursuing research in our university.
- ❖ In addition, government research fellowships like Maulana Azad research fellowships were awarded to four of our research scholars. Also, one CSIR fellowship, five fellowship through DST project, one fellowship through SERB project, one fellowship through UGC-NET and one fellowship through Rajiv Gandhi Fellowship are awarded to our research scholars.
- ❖ All the departments have conducted the meeting of the progress review for this semester and the minutes were submitted to the office of Dean (AR).

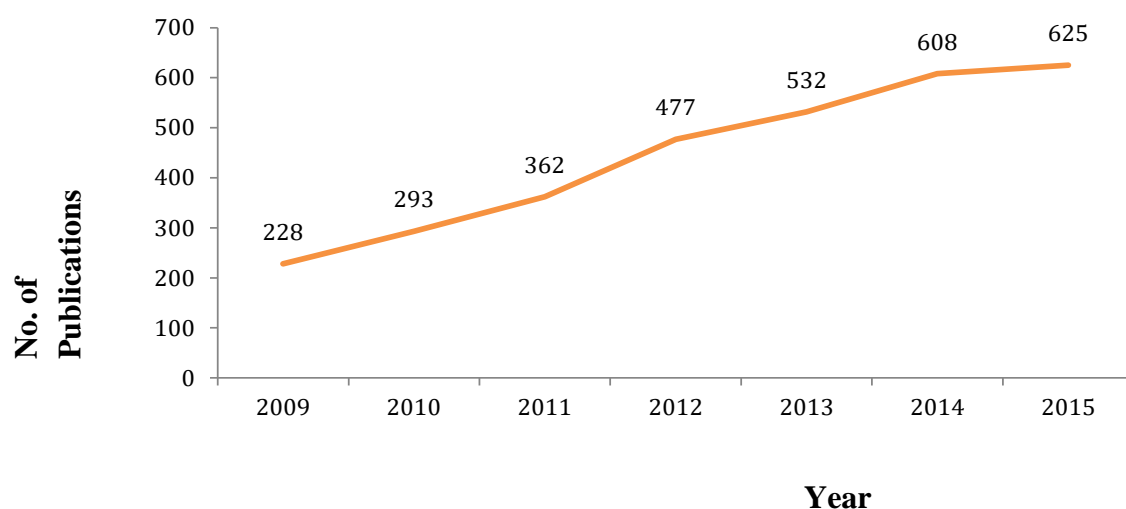
➤ **Research Incentive Scheme**

❖ Circulars were sent to all the faculty members to submit their claims for their Research performance for the period of 1st July 2014 to 30th June 2015 under Research Incentive Scheme. We have received 71 claim forms for the Research Incentive Scheme and the scrutiny process is in progress.

➤ **An overview of the Research publications of University as of Dec 2015 is given below:**

- ❖ Total no. of Research Publication = 3350
- ❖ No. of Publications for the period 1984 – 2008 = 1055
- ❖ No. of Publications for the period 2009 – Dec 2015 = 3125
- ❖ Total number of faculty = 366
- ❖ Total no. of publications of the faculty = 4180
- ❖ No. of publications per faculty = 11(= 4180 / 366)

**PUBLICATION TREND
(after becoming university)**



(i) Details of Indexed Publications (As on 31.12.2015)

Parameter	Category	
	Journals	Conferences
Total number of publications	1,416	1,709
Indexed	1,012	238
Non-Indexed	404	1,471
Indexed Percentage	%	%

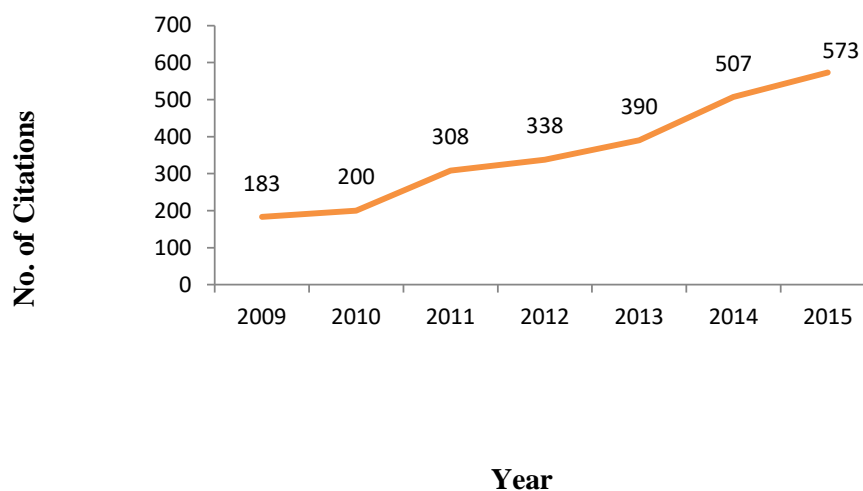
(ii) Details of Peer Reviewed publications (As on 31.12.2015)

Parameter	Category		Total
	Journals	Conferences	
Total number of publications	1,416	1,709	3,125
Scopus	447	133	580
WOS	194	0	194
IEEE	4	113	117
Google Scholar	874	205	1,079
EBSCO Host	45	0	45
Overall	2,980	2,160	5,140

(iii) Citation Trend: (As on 31.12.2015)

- ❖ Total no. of citations as on 31.12.2015 = 3932
 - No. of citations from 1984 – 2008 = 1440
 - No. of citation from 2009 – 2015 = 2499
- ❖ Average Citation Index as on 31.12.2015 = 4.104
- ❖ Average Impact Factor of Publications = 1.67

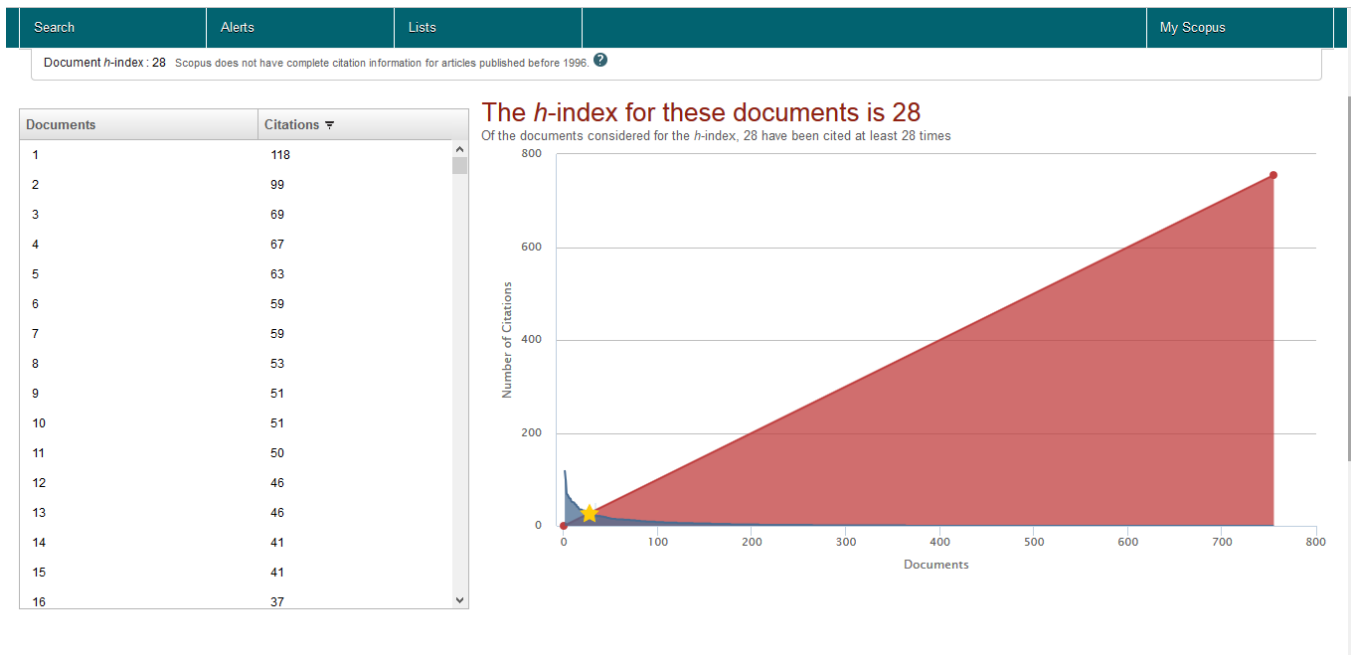
CITATION TREND
(after becoming university)



➤ **Scopus h-index of B.S.A.U.**

- ❖ The SCOPUS h-index for the research publications of our university is grown to 28, indicating the University's strong foot hold in research.

Scopus h-index of B.S. Abdur Rahman University (As on 31.12.2015)



SPONSORED RESEARCH

PROJECTS APPLIED DURING 2015-16

S. No.	Title of the Project	Principal Investigator	Name of the Funding Agency	Proposed Project Cost (in Lakhs)	Date of Submission
1	High performance hot-dipping aluminized steel for the resources industry (oil sands, oil and gas) and automotive industry	Dr. R. Rajendran Prof. of Mechanical Engineering Prof. Dongyang Li University of Alberta, Canada	DST-IC-IMPACTS	37,00,000	4-Feb-15
2	Graphene Oxide and Metal Nanoparticles Reinforced Polymer Nanocomposites at High-k Dielectric Materials for Embedded Capacitor Applications	Dr. Basheer Ahamed Prof. of Physics	CSIR, New Delhi	20,50,000	13-Oct-15
3	Smart Cardiovascular Duseases screening kit for Diabetes Mellitus Patients in rural areas of Chennai	Dr. C. Tharini Prof. of ECE	TIDE	2,716,340	28-Oct-15
4	Analysis of Venom variation among big four Indian snakes: genomic and proteomic approaches. Identification of mechanism of intoxication and protection by Indian botanicals	Dr. S. Hemalatha Prof. & Dean of School of Life Sciences Dr. M.K. Sangeetha Assistant Professor School of Life Sciences	Indian Council for Medical Research	6,000,000	Dec-15
5	Early diagnosis of diabetic retinopathy from retinal and tongue images using advanced image processing and confirmation with molecular biomarkers by non-invasive molecular and biochemical approaches	Dr. S. Hemalatha Prof. & Dean of School of Life Sciences Dr. U. Sabura Banu Professor Electronics & Instrumentation Engineering		4,596,000	Dec-15

6	Establishment of Rural Women Technology Park at Othivakkam Village, Kancheepuram District, Chennai - 600 048.	Dr. S. Hemalatha Prof. & Dean of School of Life Sciences Dr. U. Sabura Banu Professor Electronics & Instrumentation Engineering		4,190,000	Dec-15
7	Tribiological and Corrosion behaviour of ion plasma coated low-carbon steel with different microstructures	Dr. R. Rajendran Prof. of Mechanical Engineering Dr. Vladimir Semenov Ufa State Aviation Technical University Canada	DST - RFBR Joint Call for Proposals	7,15,400	15-Dec-15
8	Identification of Affective - Cognitive states using voice and image	Dr. W. Aisha Banu Prof. of CSE	CSRI - DST - New Delhi	1,900,000	
9	Early diagnosis, screening and treatment of breast cancer by optimized fusion of MRI and CT images and molecular biomarkers in combination with rapid, low cost tissue chip technology and electroporation	Dr. S. Hemalatha Prof. & Dean of School of Life Sciences Dr. U. Sabura Banu Professor Electronics & Instrumentation Engineering	R&D Programme Support Indo US low cost medical devises	50,32,000	21.01.16
10	Synthesis and Characterization of Al ₂ O ₃ Dispersed nAl 7150 alloy Composite	Dr. R. Karunanithi Asst. Professor (Sr. Gr.) of Mechanical Engineering	DST - Startup Grant for Young Scientists	2,724,000	28.01.16
TOTAL				22,126,340	

ONGOING PROJECTS

S. NO.	TITLE OF THE PROJECT	NAME OF THE PRINCIPAL INVESTIGATOR	FUNDING AGENCY	PERIOD	GRANTS SANCTIONED (RS. IN LAKHS)
1	A non enzymatic enantioselective design in the Wittig reactions and its application in the total synthesis of caprolactonis potential antineoplastic agents of marine origin	Dr. S.Mahasam path Gowri Prof. of Chemistry	DST	2012-16	624000
2	Seismic retrofitting of prestressed concrete beams externally bonded with fibre reinforced polymer composites	Dr. J. Revathy Prof. of Civil Engineering	DST	2012-15	1704000
3	A novel access to indolizidine and quinolizidine alkaloids through stereoselective N-tethered intramolecular cyclopropanation of pyridines	Dr. J.Elangovan Prof. of Chemistry	DST	2012-15	4870000
4	Wear behavior of duplex coated steels	Dr.R.Rajendran Prof. of Mechanical Engineering	UGC-DAE	2012-15	760200
5	Design of zeozymes as biomimetic catalyst for the treatment of organic pollutants	Dr.D.Easwaramurthy Prof. of Chemistry	CSIR	2013-16	1513000
6	Development of COF/polyimide composites with low dielectric constant for microelectronic applications	Dr. P. Revathi Prof. of Chemistry	DST	2013-16	2350000
7	Investigation of chaotic and strange non-chaotic phenomena in coupled non linear circuits and systems	Dr. I. Raja Mohamed Dept. of Physics	SERB - DST New Delhi	2013-16	3246000

8	Preparation of rare-earth doped molybdate nanostructures using soft chemical route for optoelectronic applications	Dr. J. Thirumalai Dept. of Physics	SERB - DST New Delhi	2013-16	2364000
9	Diastereoselective Intramolecular Cyclopropanation of Enol Ethers derived from Aminoacids : A Novel Access to Aza-C-Glycosides.	Dr. J. Elangovan Dept. of Chemistry	CSIR	2013-16	1300000
10	Seismic Performance of FRP Confined Steel tube in-filled Concrete Columns	Dr. P. Gajalakshmi Dept. of Civil Engg.	Ministry of Earth Sciences, New Delhi	2014-17	2910090
11	Applications of Gold Catalysis For The Synthesis Of Bioactive Heterocyclic And Natural Product Mimic	Dr. K.Karthikeyan Dept. of Chemistry	DST	2014-17	1966000
12	Bismuth titanate quantum dots for photo voltaic application	Ms. R. Saai Harini Res. Scholar, Dept of Chemistry	Women Scientist Scheme - DST	2014-17	1254000
13	Synthesis, characterization and optimization of QDs on TiO ₂ surface for quantum dot solar cells	Dr. M. Asha Jhonsi Asst. Prof. of Chemistry	INSA - INSPIRE	2014-17	1976000
14	GPX-1, gene polymorphisms and mitochondrial Ros signaling in cancer risk	Dr. Soumen Bera Asst. Prof. of Life Sciences	SERB - DST	2014-17	2470000
15	Synthesis of Novel Low Band Gap Polymer Materials for Solar Cell Applications	Dr. Vajjiravel Murugesan Prof. of Chemistry	SERB	2014-17	2378000
16	The Effect of Al on TiAlN, CrAlN and ZrAlN coating using RF powered Magnetron Sputtering	Dr. Beer Mohamed Prof. of Mechanical Engg.	UGC-DAE - CSR	2014-17	824100
17	Development of Oil Absorbing Polymer Product for Efficient Removal of Oil Spills in Sea Water	Dr. R. Vasanthakumari Director, Polymer Nano Technology Centre	NRB	2014-16	2004000

18	Development of Graphene - SrTiO ₃ based hybrid photocatalytic system for the production of solar fuels	Noor Aman Ahrar Mundari Prof. of Chemistry	SERB	2014-17	2498000
19	"Synthesis and characterization of multiferroic nanocomposites for functional applications"	Ms. P. Komalavalli	Women Scientist Scheme (WOS-A)	2014-17	1419000
20	Identifying the molecular basis of peroxidase activity of Peroxiredoxin 6 - An approach for designing Antioxidant Peptides and Inhibitors	Dr. Md Khurshid Alam Khan Asst. Prof. of School of Life Sciences	SERB - Startup Research Grant	2014-17	1430000
21	To Study the Effect of Diclofenac and Osmolytes on Protein Stability in Renal Dysfunction	Dr. Shazia Jamal Asst. Prof. of Life Sciences	DST - SERB	2014-17	1360000
22	Antioxidant gene polymorphisms and mitochondrial Ros signaling in cancer risk	Dr. Soumen Bera Asst. Prof. of Life Sciences	Ministry of Science & Technology, Department of Biotechnology	2015-18	2475000
23	Investigation of Multiferroic properties of rare earth and transition metal doped bismuth ferrite for functional applications	Dr. I. Shameem Banu Prof. of Physics	DST - SERB	2015-18	2355300
24	Synthesis of antimicrobial nanoemulsions for the treatment of multi-drug resistant ESKAPE pathogens	Dr. Karthikeyan Ramalingam Asso. Prof. of School of Life Sciences	SERB Start up Grant	2015-18	2328000
25	Immunosuppressive cells within inflammatory Tumor Microenvironment	Dr. Neesar Ahmed Asst. Prof. (Sr. Gr.) of School of Life Science	SERB Scheme for Startup Research Grant	2015-18	2266000
GRAND TOTAL					50484890

CENTRE FOR INTERNATIONAL COLLABORATION

INTERNATIONAL DESIGN DEVELOPMENT SUMMIT – 2015

B. S. Abdur Rahman University hosted a four-week International Development Design Summit (IDDS – Aarogyam, meaning “good health”) at its university campus, Chennai, India from July 06, 2015 – August 01, 2015. IDDS brings people from diverse nationalities and socioeconomic statuses to create low-cost, practical innovations to improve the lives of people living in poverty. Over 65 participants from twenty countries participated in the event.

The IDDS 2015 is sponsored by US global development lab powered by USAID, United States Agency for International Development, and supported by International Development Innovation Network and coordinated by hive international. The Innovation design and development frame work was developed and supported by Design lab at MIT-Massachusetts Institute of Technology, USA.



The participant teams have been working in local communities around Chennai to gather information and test their ideas for low-cost, functional and sustainable designs to support community members in accessing quality healthcare services.

The participants has created 8 prototypes and business models (spanning 4 health themes Maternal and Neo-Natal Health , Sanitation and Hygiene , Family Health and one to be decided in conjunction with community members) that will aid public private partnership in the health space and promote adoption in the communities where they are designed. While these prototypes and business models has been designed specifically to support the creation of inclusive healthcare solutions in the communities where the summit is organized, the intention is that they will have the potential to scale and replicate across geographies in need of access to quality healthcare. One of the things that make IDDS a special conference is the diversity of its participants.

OUTCOME OF IDDS 2015 SUMMIT AT BSAU: 8 prototypes and business models

1. Developing a temperature measuring device for new born baby that will indicate the risk level through color range indicator and provide information for the necessary action to be taken by an uneducated mother.
2. Designing a cost effective, convenient and aesthetic safety harness for children between the age of 2 to 8 years to mitigate road traffic death and injuries while carrying them with two wheelers.
3. Develop a network to deliver medication at rural villages for chronic diseases.

4. Design an innovative device to standardize the diagnosis methods for preventing malnutrition.
5. Develop an innovative device to prevent iron deficiency anemia through protification of iron in drinking water.
6. Reduce the source of contamination in surgical instruments by designing a creative sterile box.
7. Develop a cheap and easy to use resuscitator to help baby's breath.
8. Design a decision making tool and simple kit to enable the use of contraception overcoming the social stigma and maintain proper birth spacing between children.

MoUs SIGNED

INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS, IUPUI, USA

A letter of intent between Indiana University Purdue University Indianapolis, IUPUI, USA and B.S. Abdur Rahman University, Chennai, India has been exchanged on 16th March 2015 towards promoting students and faculty exchanges, joint research and study abroad program between the two universities.

Prof. Eugenia Fernandez, Chair, Department of Computer Information and Graphics, Indiana University Purdue University Indianapolis, IUPUI, USA and Dr. V. Murugesan, Registrar, B. S. Abdur Rahman University, exchange the letter.

A delegation of students and faculty from Indiana University Purdue University Indianapolis, IUPUI, USA, visited B. S. Abdur Rahman University for a study abroad program starting from 15th March 2015 to 19th March 2015 to learn best practices in teaching and research at the computer science and computer applications department of BSAU, the team attended a lecture session at the University and interacted with the students and faculty at the School of Computer, Information and Mathematical Sciences. The team visited the Apple iOS Application Centre at the University and learnt about ongoing Apple iOS Application Software Programs.



Prof. J.A.K. Tareen, Vice Chancellor, BSAU, interacted with the IUPUI delegation and gave the overview of international engagement opportunities available for IUPUI students and faculty at BSAU in the areas of joint research, in all the discipline of Engineering, Information Technology, Life Science, Business Management and Architecture.

MOU WITH UNIVERSITY OF VIRGINIA, USA

MoU has been signed between B. S. Abdur Rahman University and W. M. Keck Center for Cellular Imaging, University of Virginia, USA on 8th February, 2016.



INTERNATIONAL DELEGATION VISIT

SIX MEMBERS DELEGATION FROM UNIVERSITY COLLEGE OF TECHNOLOGY SARAWAK, MALAYSIA



Six members delegation from University College of Technology Sarawak, Malaysia, visited BSAU on 13th April 2015 and explored various possibilities for strengthening academic partnerships between UCTS and BSAU.

ADMINISTRATIVE DELEGATION FROM UNIVERSITY TECHNOLOGY MARA, UiTM, MALAYSIA VISITED BSAU

An administrative delegation from University Technology Mara, UiTM, Malaysia visited BSAU on 29th January, 2016 to understand best practices in University Administration and Governance at BSAU.



The following presentations were made to delegation:

1. University Autonomy, Human Resource Development and Management, Talent Management, Financial Management, Exit Policy by Dr. V. Murugesan, Registrar
2. Research Management and Scholar Monitoring Procedure by Dr. R. Raja Prabu, Dean (Academic Research)
3. Student Management and Community Service Responsibility by Dr. S. Syed Mohamed Abdul Majeed, Dean (Student Affairs)
4. Strategic Planning by Dr. M. Murugan, Dean, School of Mechanical Sciences.



MR. S. M. MOHAMED MAZAHIR, DEAN, FACULTY OF ISLAMIC STUDIES AND ARABIC LANGUAGE, SOUTH EASTERN UNIVERSITY OF SRI LANKA VISITED BSAU

Mr. S. M. Mohamed Mazahir, Dean, Faculty of Islamic studies and Arabic Language, South Eastern University of Sri Lanka, visited as chief guest for the 5th Convocation of Bukhari Aalim Arabic College on 15th April 2015.



DELEGATION FROM UNIVERSITY OF WESTERN SYDNEY, AUSTRALIA VISITED BSAU



Dr. Graeme Salter, Director, Entrepreneurship, International and Engagement – School of Computing, Engineering and Mathematics and Dr. Julia Shelley, Senior Regional Manager, International from University of Western Sydney, Australia visited BSAU on 01st May, 2015.

DELEGATION FROM FESTO GLOBAL PRODUCTION CENTRE, FESTO CONTROLS PRIVATE LIMITED, BANGALORE, VISITED BSAU



Mr. Ashok Vasudevan, Managing Director, Festo Global Production Centre and Mr. Andreas Decker, Head – Technology and Engineering Centre, Global Production Centre, Festo Controls Private Limited, Bangalore visited BSAU on 04th June, 2015.

DR. THAMEEM USHAMA, PROFESSOR, INTERNATIONAL ISLAMIC UNIVERSITY, MALAYSIA, VISITED BSAU

Dr. Thameem Ushama, Professor, International Islamic University, Malaysia, Selangor, visited BSAU on 10th June, 2015.



SIX MEMBERS DELEGATION FROM BSAU VISITED FESTO GLOBAL PRODUCTION CENTRE, INIDA

Six members delegation, Dr. V. M. Periasamy, Vice Chancellor, Dr. S. Prince Arockia Doss, Director, International Collaboration, Dr. R. Raja Prabu, Dean, Academic Research, Dr. M. Murugan, Dean, School of Mechanical Sciences, Dr. S. Kaja Mohideen, Dean, School of Electrical & Communication Sciences and Dr. U. Sabura Banu, Professor, Department of Electronics and Instrumentation Engineering from B. S. Abdur



Rahman University visited Festo Global Production Centre, Festo Controls Private Limited, Bangalore on 12th June, 2015 and interacted with Mr. Rashmikant Joshi, Managing Director, Festo Didactic Head at Bangalore, Mr. Harish Nachnani, National Sales Manager, Festo Didactic, Mr. Andreas Decker, Head – Technology and Engineering Centre, Global Production Centre, Festo Controls Private Limited, Bangalore and Mr. Ashok Vasudevan, Managing Director, Festo Global Production Centre, India.

DELEGATION FROM FESTO CONTROLS PRIVATE LIMITED, BANGALORE, VISITED BSAU

Mr. Rashmikant Joshi, Managing Director and Mr. Harish Nachnani, National Sales Manager, Festo Control Private Limited, Bangalore visited BSAU on 24th July, 2015 to present roadmap for establishing Industrial Automation and Controls Lab at BSAU and explore partnership initiatives between BSAU and Festo Controls Private Limited.



Further they also visited on 27th November 2015.

VISIT OF FESTO – GERMAN DELEGATION TO BSAU

Mr. Marc R Steib, Senior Advisor for Educational Services, Training and Consulting, FESTO – Germany, Mr. Harish Nachnani, National Sales Manager, Festo Controls Pvt. Ltd., and Mr. Suresh Oliver, Managing Director, Gerind Technology India Private Limited, met with Chairman Mr. Abdul Qadir A Rahman Buhari on 28th November, 2015.



BRITISH COUNCIL'S BIOTECHNOLOGY MISSION – UK UNIVERSITIES DELEGATION VISITED BSAU

Visit of UK Bio-technology delegation to B. S. Abdur Rahman University on 14th September, 2015 facilitated by British Council and represented by

1. Dr. Nagamani Bora, The University of Nottingham
2. Dr. Duncan Sharp, Leeds Beckett University
3. Dr. Mukhlesur Rahman, University of East London
4. Dr. Anant Paradkar, University of Bradford.



The delegation interacted with the School of Life Science Dean and Faculty on developing international partnerships in Research, Joint Projects, and Students and Faculty Exchanges.

DR. PIRAM PRAKASAM, FERRIS STATE UNIVERSITY, MICHIGAN, USA, VISITED BSAU

Dr. Piram Prakasam, Executive Director, International Education, Professor of Chemistry, Office of International Education, Ferris State University, Michigan, USA, visited BSAU on 06th November, 2015.

DR. SHANMUGAM, UNIVERSITY TUN ABDUL RAZAK, VISITED BSAU

Dr. Shanmugam, Associate Professor, Deputy Dean, Bank Rakyat School of Business and Entrepreneurship, University Tun Abdul Razak, visited BSAU on 11th November, 2015.



MR. M. V. RAMACHANDRAN, NATRIP, VISITED BSAU

Mr. M. V. Ramachandran, Senior Deputy Director and Site Head – (G-ARC-Chennai), National Automotive Testing and R&D Infrastructure Project, NATRIP, visited BSAU on 11th November, 2015.

DR. DAVID JENKINS, PLYMOUTH UNIVERSITY, UK, VISITED BSAU

Dr. David Jenkins, Lecturer, School of Computing, Electronics and Mathematics (Faculty of Science and Engineering), Plymouth University, UK, visited BSAU on 15th December, 2015.



DELEGATION FROM MISSOURI STATE UNIVERSITY, USA, VISITED BSAU

Mr. Kent D Thomas, Special Assistant to the President, Mr. Liban George, India Operations Specialist, Office of International Programs, and Mr. Prateek Gujral, Country Advisor – India, Missouri State University, USA, visited BSAU on 19th January, 2016 to discuss MBA Dual Degree Program.



SAE INTERNATIONAL BOARD OF DIRECTORS VISITED BSAU

Society of Automotive Engineers – SAE International Board of Directors visited and inauguration of SAEINDIA Knowledge Round Table – KRT at BSAU on 20th January, 2016. (Dr. Cuneyt LOge SAE International 2016 President, Dr. Richard W Greaves SAE International 2016 President and Mr. Murali M Iyer, Executive Advisor – Global Affairs).



INTERNATIONAL LECTURE SERIES

DR. M. AROCKIASAMY, FLORIDA ATLANTIC UNIVERSITY, USA, VISITED BSAU

Dr. M. Arockiasamy, Professor and Director, Center for Infrastructure and Constructed Facilities and Subject Matter Expert, International Electrotechnical Commission, Florida Atlantic University, USA visited BSAU on 07th August, 2015 and delivered a lecture on **“Sustainability and Renewable Energy: Path Forward – Future of Engineering Education”** to the Civil Engineering students.



DR. KIARAN KIRK, AUSTRALIAN NATIONAL UNIVERSITY, AUSTRALIA, VISITED BSAU

Dr. Kiaran Kirk, College of Medicine, Biology and Environment, Australian National University College of Medicine, Biology and Environment and Australian National University College of Physics and Mathematical Sciences, Australian National University, Australia visited BSAU on 27th August, 2015 and delivered lecture on **“Malaria Global Perspective and State of the Research”** to the students and research scholars of School of Life Sciences.



DR. PETER C BROOKS, ASSOCIATE PROFESSOR, UNIVERSITY OF LEEDS, UK VISITED BSAU

Dr. Peter C Brooks, Associate Professor in Mechanical Engineering, University of Leeds, UK visited BSAU on 11th September, 2015 and delivered lecture on **“Clutch Characterization of Formula One Vehicles”** to the Mechanical Engineering and Automobile Engineering Students of BSAU.



BRITISH COUNCIL'S BIOTECHNOLOGY MISSION – UK UNIVERSITIES DELEGATION VISITED BSAU

Visit of UK Bio-technology delegation to B. S. Abdur Rahman University on 14th September, 2015 facilitated by British Council and represented by

1. Dr. Nagamani Bora, The University of Nottingham
2. Dr. Duncan Sharp, Leeds Beckett University
3. Dr. Mukhlesur Rahman, University of East London
4. Dr. Anant Paradkar, University of Bradford.

The four parallel lectures were delivered to the students, researchers at the School of Life Science

1. **Antibiotics Resistance** by Dr. Mukhlesur Rahman
2. **Functional Genomics** by Dr. Nagamani Bora
3. **Wounds: Key Complications and Recent Advancements in Diagnostics** by Dr. Duncan
4. **Pharmaceutical Processes: Hot Melt Extrusion and Injection Moulding** by Dr. Anant Paradkar.



BRITISH COUNCIL'S UK MASTER CLASS PROGRAM AT BSAU

Dr. David Smith, Course Leader for M.Sc Biotechnology and Senior Lecturer in Biochemistry, Faculty of Health and Well being, Sheffield Hallam University, UK, visited BSAU on 04th February, 2016 and delivered a special lecture on using lasers, “**Home – made proteins and 3D cell culture to detect biomolecules and investigate disease**” to the students and faculty at the School of Life Sciences.

Dr. Hongwei Zhang, Principal Lecturer in Control Systems Subject Group Leader – Electrical, Electronic and Control Engineering, Department of Engineering and Mathematics, Sheffield Hallam University, UK, visited BSAU on 04th February, 2016 and delivered a special lecture on “**Automation, Robotics and Control**” for the Mechanical Engineering students.



DR. NICO DECOURT, STAFFORDSHIRE UNIVERSITY, UK, SPECIAL LECTURE

Dr. Nico Decourt, Senior Lecturer, Faculty of Computing, Engineering and Technology, Staffordshire University, UK, visited BSAU on 05th February, 2016 and delivered a special lecture on “IT Standards and Cyber Security” to the Information Technology and Computer Science and Engineering students.



DR. PETER MYLON, UNIVERSITY OF SHEFFIELD, UK, SPECIAL LECTURE

Dr. Peter Mylon, Academic Team Leader for Advanced Manufacturing Technologies and Engineering Dynamics, University of Sheffield, UK, visited BSAU on 05th February, 2016 and delivered a special lecture on "Advanced Design and Manufacturing Techniques".



INTERNATIONAL EDUCATION FAIR

An International Education Fair was organized at BSAU on 05th February, 2016 with the participation of following universities from Australia, UK and USA for providing overseas graduate studies opportunities to our Engineering, Science and Management students.

Participated Universities

1. Macquarie University, Australia
2. University of Southern Queensland, Australia
3. Charles Darwin University, Australia
4. University of Alabama, Huntsville, USA
5. Western Michigan University, USA
6. University of Surrey, UK
7. Sheffield Hallam University, UK
8. University of Strathclyde, UK
9. Heriot Watt University, UK



APJ ABDUL KALAM INNOVATION CENTRE

APJ Abdul Kalam Innovation centre was inaugurated by Dr. Akhtar Badshah, Chief Catalyst, Catalytic Innovation Group, presided by Mr. Abdul Qadir A. Rahman Buhari, Chairman, Board of Management, B.S. Abdur Rahman University on 15th October 2015, birthday of our founder, Alhai B.S. Abdur Rahman and our former president, Dr. A.P.J. Abdul Kalam to cater to the innovative ideas of the students, scholars and faculties of our University



The Innovation centre was established for Motivating the students to think laterally and out-of-the-box to generate innovative ideas. The main motive is to transform innovative ideas into products of societal needs and to facilitate student to file patents and in the commercialization of the products in the



long run.

Dr. Kaja Mohideen, Dean (SECS), is the convenor for the APJ Abdul Kalam INnovation Centre and Dr. U. Sabura Banu, Professor/E&I, Dr. Latha Tamilselvan, HOD/IT and Dr. C. Tharini, Professor/ECE are the co-ordinators for the Innovation Centre.



Motivational experience sharing workshop was conducted on 12.9.2015.

A special lecture was given on "Design Thinking and Innovation" by Ms. Yasmeen Fatimah, University of USA on 10th September 2015.

Mr.A.Vetrivel, III year, ECE Department participated in the "Innovation, Creativity and Leadership (ICL), Project Competition" organized by the **Microsoft** Research Community on 7th February 2016 held at Pondichery Engineering College, Puduchery and bagged the "**Innovator Award**" for his Project titled "INTELLIGENT SECURITY SYSTEM FOR B.S. ABDUR RAHMAN UNIVERSITY" .



One day multidisciplinary talent-hunt "Cresnovators 2016" event was conducted on 12th of March 2016 to pool the talents in innovative interior, machinery and gadget design, circuit debugging & fabrication and software development.



DATA CENTRE

ABOUT DATA CENTRE

Data centre was established at B.S. Abdur Rahman University in the year 2010 for effective utilization of Network infrastructure and reduction of hardware and storage cost, the state of art Data Centre with high end Blade Servers(4Nos), Rack Servers(4Nos) and SAN storage(10TB) worth of Rs. 1 Crore is established at the annexure building of Computer Science block of B.S.Abdur Rahman University.

The Data Centre would be to provide staffs and students of each department to have 24 hours availability and accesibility to thei computing resoures 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 20 Virtual courses of the MHRD's QEEE programme for thousand UG and PG students of our university.

- For the semester Aug 2015 to Oct 2015, we have **registered 100 students of Civil, EIE, ECE, IT and Polymer departments in 6 new courses in 36 hours (3 sessions of 2 hours for every course) and got the appreciation from the Chairman of QEEE** and our institution is honored with partner category.



S No.	Dept.	Registered courses	No. of students
1.	Polymer	Chemical Reaction Engineering	22
2.	EIE	Control System	21
3.	Civil	Construction Planning and Control	19
4.	Aerospace	Fluid Mechanics	15
5.	IT	Smart Phone Computing	4
6.	ECE	Space Time Codes MIMO and Massive MIMO Part-1 - Wireless Communication	15

- For this semester Jan 2016 to April 2016, we have **registered for 900 students of Civil,EEE,ECE,MCA,IT and Polymer departments in 14 new courses in 84 hours(3 sessions of 2 hours for every course).**

S no.	Dept	No. of courses	Registered courses	No. of students
1.	Civil	8	Basic Design of Steel Structures	25
			Cement Production, Composition and Chemistry - Concrete Technology	60
			Compaction of Soil - Soil Mechanics	50 40
			Deflection of Statically Determinate Structures	40
			Design of earthquake resistant design of RCC multi-storeyed frames - Design of Concrete Structures	34
			Fundamental Concepts in Fluid Mechanics - Fluid Mechanics	30 34
			Kinematics of Particle - Engineering Mechanics	30
			Moment Distribution Method - Structural Analysis	30
2.	ECE	2	BJT, MOSFET And Amplifiers - Analog Electronic Circuits	60 60
			Digital Electronics	60 60
			Design of Feedback in Control Systems	60
3.	EEE	2	Digital Electronics	60 60
			Fundamental Concepts in Fluid Mechanics - Fluid Mechanics	34
4.	Poly mer	2	Heat Transfer	14
			Information Security and Cryptography	28
5.	IT	1	Process Synchronization - Operating Systems	44 42
6.	CA	1		

WORKSHOPS CONDUCTED

- Data Centre along with Computer Application Department, conducted a Workshop on Android Programming and Soft Skills on 13th of Feb 2015.
- Organized ONE- DAY WORKSHOP ON "INTERNET OF THINGS AND COMMUNICATION SKILLS" on 26th February, 2016.
- Organized One Day WorkShop on "Cloud Computing and Soft Skills" on 19th February, 2016



WORKSHOPS ATTENDED

- Dr.P. Sheik Abdul Khader and Mr. Abdul Azeez Khan attended the fourth NKN National Workshop at JNT University, Hyderabad on 21st-22nd January 2016.
- R. Sivakumar and R. Venkateswaran attended one day QEEE Fifth Workshop at IIT, Chennai on 29th Dec 2016.
- Dr.P. Sheik Abdul Khader and R. Venkateswaran attended one day BCM event “**Redefine Availability with EMC Business Continuity Solutions**”, Chennai on 1st March 2016.

ACHIEVEMENTS OF STAFF

- B.S.A.University is announced as best performing institution falling under the category of “**QEEE Partner**” Institutions

INTERNET/INTRANET ACTIVITIES

- Provided internet connectivity to APJ Abdul Kalam Innovation Centre.
- New Fibre cable laid between University Data Centre and New Mechanical Science block.
- Optic Fibre connectivity provided to the Life Sciences block and new Staff Quarters.
- Provided internet connectivity to Mathematics Department in CBS Block.
- Replaced new Fibre Switches in the School of Islamic Studies and Basic Science block.

DEVELOPMENTAL ACTIVITIES

- Installed CYBEROAM NEXT-GENERATION FIREWALLS for testing in our Data Centre on 21.09.2015 for current traffic analysis and bandwidth utilization.
- A new Server Infrastructure for CAMP-IT is arrived at after detailed discussions with industry and academic experts like Dr.V.Sankaranarayanan, Dr. K.M.Mehata, Mr. Iniya Nehru of NIC, Dr. Jaya Prakash of RCC, Anna University.
- Auditing of the BSAU Computer Network Architecture is initiated.
- A **learning portal application** to share the learning, teaching contents of BSAU, NPTEL, QEEE, NKN, e-Books, e-Journals, etc.. **has been developed** for our University Staff and Students.
- This portal will facilitate the staff to upload their teaching contents and be available for students to read and download any time anywhere not only inside the campus but also outside.

MoUs SIGNED

- RELIANCE JIO - WIFI AGREEEMNT signed between BSAU and Reliance Jio Infocomm Ltd on 30th Sep 2015 to enable our Institution with 4G LTE Technology which will take **B.S.ABDUR RAHMAN UNIVERSITY into the exclusive Club of 4G Enabled Educational Universities & Colleges in the World.**
- The Reliance Jio Infocomm Limited are on the penultimate and most critical part of the project which upon Culmination will lead to Launching a Revolutionary Telecom Service – 4G LTE (Long Term Evolution) in the City of Chennai providing seamless connectivity for our student Community on Information, Communication and Entertainment. The Service will simplify the complexities involved for users pertaining to Banking and Commercial Services, **Online Education** and Emergency Medical Services, **Security Surveillance systems** and Online Entertainment by providing High Speed Internet Connectivity, Voice and Video as such called as Pure Triple Play Services

WEBSITE, SOCIAL NETWORK AND OTHER ACTIVITIES

Data Centre is carrying out

- Customization, UI /design changes for our BSAU website.
- to switch over to the next plan with 6GB windows hosting with 150GB monthly bandwidth data transfer
- University Website Maintenance.
 - Day to day Data Updatons (Department wise and University wise).
 - Facilitation for Online Advertisement.
 - Support on updating Admission data in website.

- Creation of new webpages for conferences, workshops, APJ Abdul Kalam Innovation Centre.
- **University Social Network Maintenance.**
 - Day to day posting news and happening about our university.
 - Engaging students in our university facebook page.
 - Posting circulars and important information.
 - Editing informal contents or comments placed by students.
- **University mail id maintenance.**
 - 1194 email ids were created under our domain bsauniv.ac.in for the students admitted in 2015. The created email ids are distributed to the concerned departments Hod's.

FACULTY TRAINING ACADEMY

TRAINING PROGRAMMES OFFERED

- Organized Workshop on “Quality Assurance workshop for faculty members” from 13th to 15th July 2015. Around 95 Faculty were participated.



- Organized “ICTACT youth Summit-2016” on 30th Jan 2016. More than 1000 students were participated from various colleges across Tamil Nadu.



CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Organized Workshop on “Two weeks Faculty Development Programme for Faculty” from 29th June to 10th July 2015. Around 20 People were participated.
- Organized Workshop on “Guest Lecture on Story Telling Technologies” from 10th Sep 2015. 45 members participated
- Organized Workshop on “PHP Programming” on 6th & 7th Jan 2016 in partnership with ICT Academy of Tamil Nadu. Around 43 people participated (9 members from various Institutions).
- Organized Workshop on “Creative Thinking” on 19th & 20th Jan 2016 in partnership with ICT Academy of Tamil Nadu. Around 30 people participated (19 members from various Institutions).

SOCIETY ACTIVITIES

- Organized Workshop on “Three day School Teachers Workshop” from 25th Nov to 27th Nov 2015.



- Organized Workshop on “Voluntary Training on Basics of ICT for School Teachers” on 6th & 7th Jan 2016. Around 19 peoples were participated.
- Organized Workshop on “Voluntary Training on Basics of ICT” for School Teachers on 12th Jan & 13th Jan 2016. Around 22 school teachers were participated.



EXTENSION ACTIVITY CONDUCTED

- Organized Notebooks distribution to Flood affected schools in December 2015 with staff club.

PLACEMENT AND TRAINING

CAMPUS PLACEMENT DETAILS - 2016 BATCH

ON CAMPUS			OFF CAMPUS
NO. OF ORGANIZATIONS VISITED	NO. OF STUDENTS PARTICIAPTED	NO. OF STUDENTS PLACED	NO. OF STUDENTS PLACED
72	623	475	3
TOTAL			478

The highest pay package is Rs. 22 Lakhs per annum.

2016 Batch - Training Details

1. Four Months Aptitude and Technical training was conducted to pre-final year B.Tech (CSE) students (2016 batch) .
2. Aptitude and Technical based training classes were conducted for pre-final year MBA students (2016 batch) from February 2015 onwards (once in week).
3. A program on “How to Train Yourself to Speak Fluently in English” was conducted for the Pre-final year on 28th March 2015.
4. A Lecture on “Placement Awareness ” was delivered by the Placement Director for the Pre-final year B.Tech (EEE-2016 batch) students on 25th March 2015.
5. A Seminar on “Career in Indian Armed Forces” was conducted by Defence Academy – Chennai, on 3rd August 2015, for final year B.Tech / M.Tech & MCA students (2016 batch).
6. Five days Speed Maths, Video shooting of student’s stage presentation, Resume Building, Group Discussion for Tamil Medium students, Mock Interviews, Company Specific training with non-simulative company questions and pre-assessment & post assessment Training was conducted to all Final year B. Tech & M. Tech students (2016 batch) on 10, 11,12, 22 & 29th August 2015.
7. Employability Training Program was conducted by Match point, to final year MBA students (2016 batch) on 1st Oct 2015.
8. AMCAT Online Assessment Test Process was conducted for final year B.Tech (CSE, ECE, EEE, IT & EIE) and MCA students (2016 batch) on 6th Oct 2015.
9. Barclay’s Training Programme in collaboration with GTT and Nasscom” was conducted for final year students (2016 batch) during **19th Feb. 2016 to 04th March 2016** at our University premises. Around 200 students took part in the programme. This programme was fully sponsored by Barclay’s.

CENTRAL LIBRARY

- ❖ Total Books available
 - Volumes : 84493
 - Titles : 48433
 - e-Books : 17358

- ❖ Print Journals subscribed : 240

- ❖ e-Journals subscribed : 13295

- ❖ Library working hours : 8am – 8pm

- ❖ Library budget for the year 2015-16 : Rs.91,00,000/-

- ❖ Books purchased during this academic year : 3377

CONFERENCES CONDUCTED

The Central Library conducted National conference on “Advancement in Library and Information Science & Technology: Challenges and Opportunities during July 10 – 11, 2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Name of the staff	Conference	Seminar	Workshop	FDP	Total
Dr.P.Panneerselvam	1	3	2	1	6
Mr.A.Selvantony	1	1			2
Mr.T.Pattabhi Raman		1			1
Dr.M.P.Srinivasan		1			1

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

Name of the staff	National Conference	International Conference	National Journal	International Journal	Total
Dr.P.Panneerselvam	3			4	7
Mr.A.Selvantony	1		2		3
Mr.T.Pattabhi Raman	1				1
Dr.M.P.Srinivasan			1		1

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES: (IEEE format)

National Journal:

Name	Title	Name of the Journal	Month & Year	Volume number Issue Number	ISSN No:
A.Selvantony Assistant Librarian	Research Publications of B.S.Abdur Rahman University: A Scientometric Analysis (1995-2014)	Journal of Research in Librarianship	May-Jun, 2015	Vol.2(3)	2393-8986
A.Selvantony Assistant Librarian	Marketing of Library and Information Products and Services in Academic Libraries	Indian Journal of Science	Online published on 6 th November, 2015	Volume: 21, Issue:73	ISSN: 2319-7730, Online ISSN: 2319-7749.
M.P.Srinivasan Assistant Librarian	Efficacy of Addie Model in the Digital Classroom: An Evidence based study	LangLit: An International Peer-Reviewed Open Access Journal	Online published in the month of August 2015	Volume:2, Issue 1	ISSN 2349-5189

International Journals:

Author	Title	Name of the Journal	Vol No, Issue No	Year	ISSN
Dr.P. Panneerselvam	Analysis of Universities Website in Tamilnadu: Special attention to Library Content	International Journal of Library and Information Studies	Vol.5, Issue 2	2015	2231-4911
Dr.P. Panneerselvam	Analysis of Indian Academy of Science Journals: A Comparative Study of Journal of Chemical Sciences and Journal of Earth System Science	International Journal on Next Generation Library and Technologies,	Vol.2, Issue 3	2015	2395 – 5201

Dr.P. Panneerselvam	Analysis of Institute of Electrical and Electronics Engineers (IEEE) Publications: An Empirical Study	International Journal of Information Dissemination and Technology	Vol.5, Issue 3	2015	2229-5984
Dr.P. Panneerselvam	A Study on Library and Information Science Professionals in Tamil Nadu and Pondicherry	International Journal of Information Sources and Services	Vol.2, Issue 5	2015	2349-428X

National Conference :

Name	Title	Title of the Conference	Venue	ISBN
Dr.P.Panneerselvam	Indian Repository Services: A Study on Shodhganga	National Conference on 'Advancement in Library and Information Science and Technology: Challenges and Opportunities'	10 – 11 July 2015, B.S.Abdur Rahman University, Chennai	978-93-85469-00-8
J.Jeba Joslin and Dr.P.Panneerselvam	Community Information Services in Public Libraries – A solution to Information Poverty	National Conference on 'Advancement in Library and Information Science and Technology: Challenges and Opportunities'	10 – 11 July 2015, B.S.Abdur Rahman University, Chennai	978-93-85469-00-8
S.Vanaja and Dr.P.Panneerselvam	Should Library Catalogues be a System of Inventory or Discovery to the Digital Native Generation: - A Study	National Conference on 'Advancement in Library and Information Science and Technology: Challenges and Opportunities'	10 – 11 July 2015, B.S.Abdur Rahman University, Chennai	978-93-85469-00-8
A.Selvantony Assistant Librarian	Social Network's using Academic Library	Future Libraries: Issues and Challenges,	Gandhigram Rural Institute – Deemed University, Gandhigram,	978-93-84556-82-2

			Dindigul District	
T.Pattabhi Raman, Assistant Librarian	Dynamic Capability among professionals in Library and Information Science: An Overview	ICSSR & UGC sponsored National Seminar on "Contemporary Trends in Librarianship- NSCTL-2015	Department of Library and Information Science, Sri Krishnadevaraya University, Ananthapuramu	978-81-85708-64-3

BOOK PUBLISHED

Name	Title	Title of the Book	Name of the Publisher	Year of publication	ISBN No:
A.Selvantony Assistant Librarian	A Study on Various Skills Using the LIS Professionals in Selected Engineering Colleges in Tamil Nadu	Open Access, Gateway for New Librarianship	Dominant Publishers & Distributors Pvt Ltd, New Delhi	2016	978-9384161-84-2

ACHIEVEMENTS OF STAFF

Mr.T.Pattabhi Raman, Assistant Librarian submitted Ph.d. Thesis titled "Dynamic Capability among Library & Information Science Professionals in University Libraries of Tamil Nadu: An Empirical Study" at Bharathiar University, Coimbatore on 30th September 2015.

BSAU APPLE iOS APPLICATION DEVELOPMENT CENTRE

TRAINING PROGRAMMES OFFERED

- Organized a Seven days Training Programme on “iOS Application Development” during 8, 9, 16, 22, 23, 29 & 30 August 2015.
- Organized a Five days Training Programme on “Android Application Development” during 5, 6, 12, 13 & 17 September 2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Organized a one day workshop on “Apple Professional Development” in association with Apple Inc. on 6th February 2016.
- Organized a one day workshop on “Introduction to Android App Development” for the students of third year IT students on 13th February 2016.
- Organized a one day workshop on “iOS App Development using Swift” in collaboration with Indiana University Purdue University Indiana Polis (IUPUI), USA on 15th March 2016.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Dr. K.M. Mehata, Dean (SCIMS), Advisor, BSAU Apple iOS ADC, N.Rajendran, Coordinator, BSAU Apple iOS ADC and R. Sathish Kumar, System Analyst, BSAU Apple iOS ADC were participated in Global Mobile App Summit and Awards 2015 held at ITC Grand Chola, Chennai during May 28 & 29, 2015.
- N. Rajendran, Coordinator, BSAU Apple iOS ADC and R. Sathish Kumar, System Analyst, BSAU Apple iOS ADC were participated in Apple Leadership Tour held at Park Hyatt, Chennai on 18 June 2015.

ENTREPRENEURSHIP DEVELOPMENT CELL

- ❖ Department of Science & Technology - National Implementing and Monitoring Agency for Training (DST-NIMAT) Sponsored Entrepreneurship Awareness Camp (EAC) was organized by Entrepreneurship Development Cell in two batches from 23 - 25 July, 2015 and 27 July, 29 July and 31 July 2015.



- ❖ Signed an MoU with National Entrepreneurship Network (NEN) on 26.02.2016 for the purpose of development of entrepreneurship education in the University

WOMEN EMPOWERMENT CELL

- The Women Empowerment Cell organized a Workshop on **“WOMEN ACADEMIC MANAGERS: CHALLENGES AND APPROACHES”** on 29 April 2015.



- The Women Empowerment Cell, Physical education department and National Service Scheme jointly organized **“Yoga training for women”** on 15-16, June 2015.

- The Women Empowerment Cell, Sexual harassment cell and Physical education department jointly organized **“Self defence training program for women”** on 7, August 2015



- The Women Empowerment Cell organized a Workshop on **“Gift Yourself”** on 18th January 2016.

- The Women Empowerment Cell, Sexual harassment cell and Physical education department jointly organized a Workshop on **“Mind Matters”** on 21st January 2016.



ROTARACT CLUB

ROTARACT CLUB OF B.S.ABDUR RAHMAN UNIVERSITY for the academic year 2015-16 was installed on 22nd September 2015.

The list of projects carried out by the rotaract club are

- i) **FAIRY TALE** – A carrier guidance programme organized on **22nd October 2015** for the +2 students at Government Higher Secondary School, Kavithandalam Village, Chengalpattu
- ii) **NAMMA OORU** – This was conducted on 24th October at Orakattupettai village, Chengalpattu for creating awareness about the cleanliness of the village.
- iii) Our club was actively involved in the flood relief activities during the month of **December 2015** at Chennai and Cuddalore. Collected huge volume of relief materials and distributed to the flood affected peoples.
- iv) **TRIUMPH** – A soft skill training programme organized on **12th March 2016** for our university third year students.

ALUMNI

- ❖ A new Executive Committee meeting held on 26th December 2015. Mr. Sujit Tharakan as President and Mr. Seshadrinathan. R as General Secretary were elected for the next three years. Mr. Mohammed Yunus (alumni) who rescued many in the recent floods was honoured.
 - President : Sujit Tharakan
 - Vice President : Sugan Nahar
 - Vice President : Mohamed Arshad
 - General Secretary : Seshadrinathan.R
 - Joint Secretary : Aisha Banu
 - Treasurer : Arun Sundaram
 - Joint Treasurer : Saira Banu
- ❖ Scholarship has been given to Eight of our University UG & PG Students (Rupees Ten Thousand per student)
- ❖ As an act of Charity Two People working in the university were given Rupees Five Thousand each for their children education purposes.

- ❖ Note Books has been issued to One Hundred school Children in Local Schools as flood relief
- ❖ The Alumni Association is organizing a Guest Lecture by Mr. Hidayathulla A Sulaiman (1991 EEE) to motivate the first year students of our University on 24 July 2015 (Friday).
- ❖ A Guest Lecture was organized on 9th March 2016, Mr. Seshadrinathan. R, CEO of ESSQUARES ENCLAVE delivered a lecture on “Road Map to a Successful Career”.

NSS

- ❖ NSS Cell of our University organized Blood Donation Camp in association with Crescent Blood Donors on 3rd November (Tuesday) 2015.
- ❖ NSS special camp was organised for five days from 9th to 15th March 2016 at Keerapakkam Village.



CENTRE FOR MOLECULAR DIAGNOSTICS

Centre for Molecular Diagnosis is the foundation for collaborative research activities at B. S. Abdur Rahman University by a group comprising of professors from pure science, life science and engineering background. It serves as a platform to diagnose and prevent health related issues and environmental problems by providing practical solution from the technical knowledge. Cross culture enables to produce unique results for problems considered. Centre was initiated on 3rd August 2015.

The coordinators are Dr. S. Hemalatha, Professor & Dean / School of Life Sciences, Dr.Kutti Rani, Professor & Dean (Physical and Chemical Sciences), Dr. C. Tharini, Professor and Head/ ECE and Dr. U. SaburaBanu, Professor and Head/ E&I.

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 & ENGINEERING**

COMPUTER SCIENCE AND ENGINEERING

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- 1 Conducted workshop on “Awareness on Intellectual property rights” on 29th August 2015. Dr.T.V.Madhusudanan and Dr.S.P.Subramanian Assistant Controller of Patents & Designs, Chennai Patent office were the distinguished visitors .
- 2 Conducted seminar on "New trends in Data Integration, Analytics and BI" on 14th October 2015. Mr.Mukesh Mohania Mukesh Mohania an IBM Distinguished Engineer and Chief Architect for Education Transformation area in IBM Research were the distinguished visitor.
- 3 Conducted two week faculty development programme on “**Teaching and Learning**” during 29th June to 11th July 2015.
- 4 Conducted “**Quality Assurance**” workshop during 13th, 15th and 16th July, 2015.
- 5 Conducted FDP “**A School on Algorithms and Techniques**”, during July 22nd to July 28th, 2015.
- 6 Conducted two days workshop “**Analytics, Internet of Things and Web of Things**”, conducted during 6th and 7th October 2015.
- 7 Conducted workshop on “**Oracle Academy: Database Programming and Design**”, during 16th to 20th March 2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

S.No	Staff Name	Institution	Topic	Duration/ Date
1	S.Bagirathi C.Hema	BSAU	Research Methodology and Data Analysis using SPSS and AMOS(FDP)	5 days May 4-8,2015
2	Staff from “school of Computer Information and Mathematical Sciences”	BSAU	A School on Algorithms and Techniques(FDP)	5 days July 22 nd – July 27 th ,2015
3	Research Scholars of Computer Science and Engineering department	BSAU	Quality Assurance in Academic and Sponsored Research(Workshop)	1 day 7 th March,2015
4	Mrs.R.Akila Mrs. R.Narayani	VIT Chennai	International Workshop on Implementing Cloud Using Open Stack	2 days, 12 th & 13 th March 2015
5	L. ArunRaj	Anna University	Author Workshop jointly organized by Springer & Anna University, Chennai	1 day 17 th March 2015

6	Mrs.S.Bagirathi Mrs.C.Hema	Vels University	International Workshop on Mobile Application Design and Development for Android	1 day 29 th June 2015
7	Dr.R.Shriram	State Planning Commission	New Skill Development Initiatives/schemes in Tamil Nadu (Workshop)	1 day 11 th Aug 2015
8	Mrs.T.Nagamalar	IEEE Bangalore Section	IEEE SmartTech Workshop-2015(Workshop)	2 days 25 th & 26 th , Sep 2015
9	Subhashini.S	SSN College of Engineering ,Kalavakkam.	Research Prospects in Image Fusion and Registration	2 days 1 st & 2 nd Feb,2016
10.	C.Hema S.Bagirathi	BSAU in association with National Instruments	Recent Research Techniques in Wireless Communication and Networks	2 days 8 th & 9 th Feb 2016
11	Dr.K.M.Mehata Dr.Sharmila Sankar Dr.M.Sandhya Dr. S.Aranaganathan	CTS Siruseri	Wearables and New Age Testing Solutions	1 day Feb 27 th ,2016
12	Dr.M.Sandhya Mrs.X.ArputhaRathina Mrs.S.P.Valli Mrs.V.Muthupriya Mrs.S.Bagirathi Mrs.Subhashini Mrs.Akila Devi	Tata Consultancy Services	Assurance Faculty Connect Program me	1 day March 1 st ,2016
13.	Ms.S.Radhika Mrs.Saira Banu	BSAU	ICTACT Digital Youth Summit 2016	1 day Jan 30 th ,2016
14.	Mrs.Saira Banu	ICTACT	Introduction to PHP Programming	6 th & 7 th of January 2016
15.	Mrs.Saira Banu	BSAU-Women Empowerment Cell	Gift Yourself	18 th January 2016

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
-	11	-	9	20

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

Journals Details :

[1] R. Shriram , T. Nadana Ravishankar , “Mining web log files using self-organizing map and k-means clustering methods”, in International Journal of Applied Engineering Research, Volume 10, Number 17, Page 13696-13700, May 2015
[2] Arun Raj, “Evaluating Vulnerability Tool To Analyze The Web Security Mechanism”, in International Journal of Applied Engineering Research, Vol. 10 No. 12, pp. 28385- 28392, July 2015.
[3] Saira Banu, K.M.Mehata, “ QOS analysis of VOIP traffic over wimax”, in International Journal of Engineering Research and Development, ISSN: 2278 -0675, March 2015.
[4] Saira Banu, K.M.Mehata, “Application aware dynamic modulation selection for wimax system”, in Australian Journal of Basic and Applied Sciences, ISSN:1991-8179,May 2015.
[5] N.Sabiyath Fathima, “Security Enhancement in MANET Using A New Enhanced Topology Hiding Multipath Routing Protocol (E-TOHIP)”, International Journal of Applied Engineering Research, Vol. 10 No.20 June (2015), pp. 17928-33.
[6] R.Narayani, W. Aisha Banu,” Framework for Provenance based Virtual Machine Placement in Cloud”, in International Journal of Education and Management Engineering, Vol 1, Pg: 19-26, May 2015.
[7] N.Sabiyath Fathima,” Collision Optimized Broadcast Scheduling in Wireless Sensor Network” in International Journal of Computer Applications, Vol 119,No5,June 2015.
[8] Balasundaram Ananthakrishnan, S.P. Valli, ” Packet Loss Classification and Cross-Layer Congestion Control in Wireless Networks”,in International Journal of Applied Engineering Research ISSN 0973-4562, Volume 10, Number 9, 6949-6953, March 2015.
[9] . Mehjabin Khatoun, W. Aisha Banu, “A Survey On Community Detection Methods in Social Networks”,in International Journal of Education and Management Engineering, Vol 1,Pg: 19-26, May 2015.

Conferences Details:

[1] Mr.C.Imthyaz Sheriff, Dr.Angelina Geetha,”Healthcare Informatics and Analytics Framework” ,in International Conference on Computer Communication and Informatics (ICCCI -2015),Pondicherry University, 19-21 Sep 2014.
[2] Dr.R.Shriram , S.Sathya, “Survey on Emotion Recognition from Speech”, in Tamil Internet Conference 2014,Pondicherry University,19-21 Sep 2014.
[3] Dr.R.Shriram, S. Appurajan, “Sketching Approach for Massive Datasets” in International Conference on Electrical, Electronics and Computer Engineering (ICEECE 2015), Vivekanandha College of Engineering for Women, Tiruchengode, 11&12 March 2015.
[4] Dr.R.Shriram, K. Vijay Babu, “Outlier Detection in Data Streams”, in International Conference on Electrical, Electronics and Computer Engineering (ICEECE 2015) , Vivekanandha College of Engineering for Women, Tiruchengode ,11&12 March 2015
[5] Ms.Saira Banu , “ Pre acceptance method to block spam over internet telephony”, in International Conference on Electrical, Electronics and Computer Engineering,ICEECE

2015),Vivekanandha College of Engineering for Women, Tiruchengode,11&12 March 2015
[6] Mrs.V.Muthupriya, “TPSS: Two Phase Security System to avoid Path Reduction in AOMDV”,in International conference, ICONSTEM'15,Jeppiaar Engineering College,26 th & 27 th Mar 2015.
[7] Mrs.V.Muthupriya, “LARP-Protocol for Secure Location Services Based on Direct Anonymous Attestation (DAA) Scheme in MANET”, in International conference, ICONSTEM'15,Jeppiaar Engineering College,26 th & 27 th Mar 2015
[8] Mr.Arun Raj, “Privacy Preserving Cloud assisted Mobile Health data Monit”, in International Conference RTAICE 2015,Nehru Institute of Technology in association with CSI, Coimbatore. ,27 th Mar 2015
[9] Ms.Sharon Priya, Dr.K.M.Mehata, “A novel study for comparison of ANT and Bee colony optimization” , in International Conference on Next Generation Computing and Communication Technologies, Dubai ,20 th , 21 st April 2015.
[10] Dr.R.Shriram, Raghunathan, Dr.Aisha Banu, R. Mythily, “Clustering Models for Data Stream Mining” in International Conference on Information and Communication Technologies,Chennai,25, April 2015
[11] Mr.Arun Raj, “Live Adaptive Video Streaming with ROI feature in Tele-medicine Applications”,International Conference on TCIFES 2015CLRI in association with CSIR, Chennai.,1 st – 2 nd May 2015

SPONSORED RESEARCH (ONGOING / APPLIED)

Principal and Co-Principal Investigators	Funding Agencies	Project Title	Status
[1] Dr.R.Shriram & Radhika	Tamil Virtual Academy TVA), Chennai	Tamil Plagiarism Detection Software”, Tamil Virtual Academy (TVA), Chennai, March 2015.	Sanctioned for Rs.2.5 lakhs
[2] Dr.R.Shriram	Central Institute of Classical Tamil (CICT), Chennai	“Meta Rule modeling of Tamil using Tolkappiyam as the base”, March 2015	Applied
[3] Dr.R.Shriram	TDIL Programme, New Delhi,	“Development of Grammar – Based Technologies for Indian Languages”, March 2015	Applied
[4]Dr.W.Aish Banu and Ms.Sharon Priya	Directorate of Council of Scientific and Industrial Research (DCSIR)	“Affective Cognitive States”, Directorate of Council of Scientific and Industrial Research (DCSIR), June 2015.	Applied

INTERNATIONAL VISIT (ACADEMIC RESEARCH)

- **Sharon Priya A.P(S.G)**, Visited Dubai for Presenting a paper titled “ Comparison of ANT and BEE COLONY algorithm in the international conference during 21st and 22nd of April 2015.

ACHIEVEMENTS OF STAFF:

1. **Dr.K.M.Mehata** attended DRDO meeting at Bangalore from 21st & 22nd April 2015
2. **Dr.R.Shriram** was the resource person for the
 - “Two Week Faculty Development Programme-2015” from June 29 to July 10 2015.
 - School teacher training event organized by Tamil Virtual Academy, 13 Oct,2015
 - The College teacher training event organized by Tamil Virtual Academy at Anna University, 30 Oct 2015.
 - The three days School Teachers Workshop from 25th November 2015 to 27th November 2015.
 - Voluntary Training on Basics of ICT” for School Teachers - 6th & 7th Jan. and 12th & 13 th January 2016
3. **Dr.S.Revathy** was the resource person of the Faculty Development programme on CS6660-Compiler Design 2015 at Rajalakshmi Institute of Technology from 28th December 2015 to 30th December2015.
4. **Dr.R.Shriram** received Special Award for contribution and leadership given by the International Forum for Information and Technology in Tamil at 14th international Conference on Tamil Computing and Tamil internet, Singapore, From 30 May 2015 to 1st June 2015.
5. **Dr.R.Shriram** selected in top 20 finalist ICTACT Best Techno Faculty Award 2016.

ACHIEVEMENTS OF STUDENTS

- A regional level ethical hacking competition was conducted by Robotryst. A team of 4 students (Mithil Govind(CSE), Mohammed Bushran (CSE) , Supraja Krishnan (CSE), Matheeha Tunnesa Majeeth participated and got selected to the national level event in IIT-Delhi from Feb 28 - March 2nd in the IIT-Delhi campus. After several round of written and practical tests, they won the first place with a trophy and a cash prize of 7500.
- K.P.Arjun Sundaram of III yr A won first prize in group music at Pondicherry Medical college on August 7th 2015
- Shanthini.D and Shereen Fathima.A of II yr CSE B presented a paper on Green Computing at SRM university during September 12, 2015
- D.Steffy and D.Sheela of II yr CSE B presented a paper on Network Security at SKR Engineering College during September 23, 2015.
- D.Steffy and D.Sheela of II yr CSE B attended workshop on network security at MNM Engineering College during September 12, 2015.
- K.P.Arjun Sundaram of III yr A won first prize in group music at Chengalpet Medical College on October 25th 2015.
- K.P.Arjun Sundaram of III yr A won first prize in solo instrumental at IIT Madras on December 24th 2015.
- Shaheen, Sheerin, Snigdha, Princy, Moshina, Umar, Imran of third yr CSE B attended the one day workshop on Intel Processor at Meenakshi sundarajan Engineering College during 18th August 2015.

DEVELOPMENTAL ACTIVITIES

- National Board of Accreditation (NBA) team visited during 24 - 26 April 2015 and awarded accreditation for M.Tech – Computer Science & Engineering with effect from 01.07.2015 for 2 years.

SOCIETY ACTIVITIES

- Mr.Rangamani, Vice president Global Absolute was the chief guest for the inauguration of CSE Association and Association for Computing machinery conducted on 25th August 2015.
- One day seminar on “New trends in data Integration, Analytics and BI” was conducted on 14th October 2015 by ACM student chapter of our University.

IMPORTANT VISITORS

Professor Alfred Fassier, University of Bern, Switzerland delivered the lecture on “Introduction to Cryptography” on 28th January, 2015 for the staffs and students of the school.

Dr.T.V.Madhusudanan and Dr.S.P.Subramanian Assistant Controller of Patents & Designs, Chennai Patent office were the distinguished visitors for the one day workshop on “Awareness on Intellectual property rights” during 29th August 2015.

Mr.Mukesh Mohania Mukesh Mohania an IBM Distinguished Engineer and Chief Architect for Education Transformation area in IBM Research was the distinguished visitor for the one day seminar held on 14th October 2015.

Ms.Jeeva Ragunath and Mr.Craig Jenkins were the speakers for the guest lecture on “Story Telling Techniques” during 10th September 2015 through Faculty Training Academy.

Dr.Venkatesh Raman, IMSC, Chennai, Dr.Saket Sarubh, Dr.Narayanan IIT, Madras and Ms Mehana IIT, Madras were the distinguished visitors for the FDP on “A School on Algorithms and Techniques” during July 22nd to July 28th, 2015

Dr.Swamynathan Sankaranarayanan, Anna university, Mr.Sundarrajan Mugunthan, Business Analytics Consultant, TCS, Mrs.Sandhya Gopalan, HP Enterprises, Mr.Vishnu venkayala, CEO of Costomer Labs, Dr.Rangarajan, Man Machine Systems were the visitors for the two days workshop on 6th and 7th October 2015.

DEPARTMENT OF INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY

TRAINING PROGRAMMES OFFERED

- A six weeks “Oracle iLearning Certification Programme” in “Database Design and Database Programming with SQL” in collaboration with Oracle Academy Global and ICT Academy of Tamilnadu during 7th September, 2015 to 23rd October, 2015.
- The department conducted school level "Secure Cloud training" class during 28th August to 16th October 2015.
- Conducted Five days Training Programme on Android Application Development during 5, 6, 12, 13 & 17 September 2015 organized by BSAU Apple iOS Application Development Centre.
- Conducted seven days Training Programme on “iOS Application Development” organized by BSAU Apple iOS Application Development Centre during 08.08.2015, 09.08.2015,16.08.2015, 22.08.2015, 23.08.2015, 29.08.2015 & 30.08.2015.



CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- The department has organized a three-day workshop on "Network Security" in association with IBNC INDIA Ltd and I-Medita Learning Solutions (P) Limited during 19th to 21st September 2015.
- The department has organized Hands on session on Android applications for Third year B.Tech IT students on 3rd Nov 2015 at BSAU Apple lab.
- The speaker Mr.Varadarajan Sridharan, Capability Architect, Cognizant Academy, CTS, Chennai delivered the Guest Lecture on “Programming Skills in 21st Century” at the inaugural function of Society of Information Technologists (SIT) organized by the Dept of Information Technology, BSAU on 12th August 2015.
- The speaker Mr.Manish Tyagi, IBNC INDIA Ltd and I-Medita Learning Solutions (P) conducted the three day workshop on "Network Security" organized by the Dept of Information Technology, BSAU during 19th to 21st September 2015.



CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Ms. L. Shakkeera AP(Sr.Gr) attended "Oracle Academy: Industry -Institute" interaction meeting organized by ICTACT Academy of Tamilnadu at Perungudi on 16th April 2015.
- Dr. Latha TamilSelvan, Prof & Head, Mr. N. Rajendran AP(Sr.Gr) attended two day workshop on " Transformation of B S Abdur Rahman University into a lead University in the Country" during 19th & 20th April 2015, conducted by Organization Development Alternatives, Delhi at Confluence Banquets and Resorts, Mahabalipuram.
- Mrs.P.Usha , Assoc.Prof., Ms.L.Shakeera,AP(SG)/IT, Ms. C. Vijayalakshmi AP(Sr.Gr), Mrs. Nabeena Ameen, AP, Ms.Sonya, AP attended workshop on "Women Academic Managers: Challenges and Approaches" organized by Women Empowerment Cell at BSAU on 29th April, 2015.
- Dr.N.Prakash, AP(Sel.Gr)and Ms. C. Vijayalakshmi, AP(Sr.Gr) attended "Two week Faculty Development Programme on Teaching and Learning" from 29th June to 11th July, organized by the Faculty Training Academy, BSAU.
- Mrs.P.Usha, Assoc.Prof attended the inauguration of the "International Development Design Summit" jointly organized by Hive Innospace, US Global Development Lab at BSAU on 6th July 2015.
- Mr. E.K. Subramanian AP(Sr.Gr) attended one day event "Big Data Analytics and signal processing using Matlab" organized by MathWorks, India at the Le Royale Meridian Chennai, on 8th July 2015.
- Mrs.P.Usha Assoc.Prof, Ms. L. Shakkeera AP(Sr.Gr) and Mrs. Nabeena Ameen, AP attended the lectures on "Salient Region Detection by Improving Image Clarity of Fused Images" and "Process Optimization using Swarm Intelligence" organized by Research Forum, BSAU on 10th July, 2015 at BSAU.
- Mrs.P.Usha, Assoc.Prof, Ms. L. Shakkeera, AP(Sr.Gr), Mr. N. Rajendran AP(Sr.Gr) , Ms. C. Vijayalakshmi AP(Sr.Gr), Mrs. Nabeena Ameen, AP, Ms. R. Mythily, AP, Ms.Fathimuthu Shaniya AP and Ms.Sonya, AP attended the guest lecture on "Money Management" by Dr.Pattabiram, Prof/IIT organized by Faculty Training Academy at BSAU on 13th July, 2015.
- Ms.P.Usha, Assoc.Prof, Ms. L. Shakkeera AP(Sr.Gr), Mr. N. Rajendran AP(Sr.Gr), Ms. C. Vijayalakshmi,AP(Sr.Gr), Mrs. Nabeena Ameen, AP, Ms. R. Mythily, AP, Ms.Fathimuthu Shaniya, AP and Ms.A.Sonya, AP attended three days "Quality Assurance workshop" on 13th July, 2015 and 15th July to 16th July, 2015 organized by Faculty Training Academy at BSAU.
- Mrs.P.Usha, Assoc.Prof, Ms.P.Latchoumy, AP(Sel.Gr), Dr.G.Kavitha, AP(Sel.Gr) attended a one week faculty development training programme on "A School on Algorithms and Techniques" organized by department of CSE, BSAU during 22nd to 28th July 2015.
- Mrs.P.Usha, Assoc.Prof, Ms. L. Shakkeera AP(Sr.Gr), Ms.R. PriyadarshiniAP(Sr.Gr), Ms. C. Vijayalakshmi,AP(Sr.Gr) and Mrs. Nabeena Ameen, AP attended guest lecture on "Project based learning" by Prof.Benjamin Linder and Prof.Jose Oscar Mur-Miranda of Olin College of Engineering, USA on 25th July,2015.
- Dr.G.Kavitha, AP(Sel.Gr) and Ms.Fathimuthu Shaniya, AP attended One Day

Faculty Development Program on Industry-Ready Programming Skills on 25th July 2015 at Cognizant Technology Solutions, Siruseri, Chennai.

- Dr.Latha Tamilselvan, Prof & Head attended seminar on “International Digital Solutions for a Smarter Tamil Nadu” on July 27th 2015 at ITC Grand Chola, Chennai.
- Ms.T.Anusuya,AP attended the InCyCon-15 Indian Cyber Conference on 7th & 8th Aug, 2015 at BSAU.
- Mrs.P.Usha, Assoc.Prof, Ms. L. Shakkeera AP(Sr.Gr), Ms.Fathimuthu Shaniya, AP and Ms. A.Sonya AP attended the workshop on "Self Defence Training Programme for women" organized by the Women Empowerment Cell and the Department of Physical Education on 7th August 2015. in the Seminar Hall- II of the Convention Centre at BSAU.
- All the faculty of department of Information Technology has attended the Guest lecture on “Programming Skills in 21st century” by Mr.Varadarajan Sridharan, Capability Architect, Cognizant Academy, CTS, Chennai at the inaugural function of Society of Information Technologists (SIT) organized by Dept of Information Technology at BSAU on 12th August 2015.
- Ms. A.Sonya AP attended the workshop on "IEEE Authorship Workshop in India" on 20th August 2015.at IIT-Madras.
- Ms. A.Sonya AP attended the one day workshop on "The Awareness Workshop on Intellectual Property Rights" on 29th August 2015at BSAU.
- Dr.Latha Tamilselvan Prof & Head, Ms.P.Usha, Assoc.Prof, Ms. L.Shakkeera AP(Sr.Gr) and Ms.R. Priyadarshini AP(Sr.Gr) attended guest lecture on “A New Approach to Fast Handover of Mobile Nodes in Wireless Networks” by Dr.V.Sankaranarayanan, Professor of Eminence/IT organized by Research Forum at BSAU on 29th August 2015.
- Mrs.P.Usha, Assoc.Prof, Ms. L. Shakkeera AP(Sr.Gr) and Ms. R. Mythily, AP attended guest lecture on “Design, Thinking and Innovation” by Ms.Yasmeen Fathimah organized by Research Forum at BSAU on 8th September, 2015.
- Ms. L. Shakkeera AP(Sr.Gr), Mr. E.K. Subramanian AP(Sr.Gr) ,Ms.R.Mythily AP ,attended two days workshop on “Analytics, Internet of Things & Web of Things-A 3600 View” organized by Department of Computer Science & Engineering at BSAU during 6th & 7th October, 2015.
- Mrs.P.Usha, Assoc.Prof, Ms. L. Shakkeera AP(Sr.Gr) and Ms. A.Sonya AP attended guest lecture on “Story Telling Techniques” by Ms.Jeeva Raghunath and Craig Jenkins organized by Faculty Training Academy, BSAU on 10th September, 2015.
- Dr.Latha Tamilselvan Prof & Head, Ms.P.Latchoumy, AP(Sel.Gr), Dr.G.Kavitha, AP(Sel.Gr) attended a three-day workshop on "Network Security" during 19th to 21st September 2015 in association with IBNC.
- Dr. Latha TamilSelvan, Prof & Head, Dr.G.Kavitha , AP(Sel.Gr), Ms. L. Shakkeera AP(Sr.Gr) attended three days MHRD’s QEEE (Quality Enhancement in Engineering Education) Phase IV programme on “Smart Phone Computing” by Prof.Niloy Ganguly, IIT Madras on 8th October, 12th and 13th October, 2015.
- Ms.R.Mythily AP, Ms.Sonya, AP attended one day workshop on Preparing Technical teachers for optimal class Room delivery through English Language on 28th October, 2015.

- Dr. M. Kabeer, AP(Sel.Gr), Mr. E.K. Subramanian AP(Sr.Gr) and Ms.Sonya, AP attended a guest lecture on “Towards the Next Generation of Biomarkers” delivered by Dr. Samarjit Das, John Hopkins University, USA organized by Research Forum, BSAU on 17th December, 2015.
- Dr.Latha Tamilselvan, Prof & Head attended one day conference TIEcon Masterclass event, ITC grand Chola, Chennai on 31st Oct 2015.
- Dr. Latha TamilSelvan, Prof & Head Attended a workshop on Hands-on Experience sharing on writing funded proposals to Agencies" on 22-01-16 at BSAU.
- Faculty members of IT department attended one day workshop on “Mind Matters” organized by Physical Education Department, Women Empowerment Cell and Sexual Harassment and Redressal Cell of B.S.Abdur Rahman University on 21st January, 2016.
- Dr. Latha TamilSelvan, Prof & Head attended a meeting on University Technology Mara, UiTM, Malaysia, Delagation Visit to BSAU on Exchange of best practices in University governance on 29th January 2016.
- Dr. M. Kabeer, AP(Sel.Gr) attended a webinar on the software “Netsim” on 8th January 2016.
- P.Usha,(Assoc.Prof),Ms.L.Shakkeera AP(Sr.Gr),Ms.C.Vijayalakshmi,AP(Sr.Gr), Ms.T.Anusuya,AP , Ms.R.Mythily " attended two days Faculty Development Programme (FDP) on “Introduction to PHP Programming” conducted by Faculty Training Academy, B.S.Abdur Rahman University in collaboration with ICT Academy of Tamilnadu during 6th- 7th January, 2016.
- Ms. L. Shakkeera ,AP(Sr.Gr) attended one day workshop on “Gift Yourself” organized by Women Empowerment cell of B.S.Abdur Rahman University 18th January, 2016.
- Ms. L. Shakkeera ,AP(Sr.Gr) attended two days workshop on “Creative Thinking” conducted by Faculty Training Academy at B.S.Abdur Rahman University in collaboration with ICT Academy of Tamilnadu during 19th - 20th January, 2016.
- Ms.P.Latchoumy,AP(Sel.Gr), Ms.C.Vijayalakshmi,AP(Sr.Gr), Mrs. Nabeena Ameen, AP, Ms.T.Anusuya,AP attended the Guest Lecture on " Entrepreneurship Development" at BSAU on 12thJanuary2016. .
- Ms. C. Vijayalakshmi AP(Sr.Gr),Mrs. Nabeena Ameen, AP, Ms T.Anusuya, AP attended one day workshop on " Apple Professional Development" conducted by BSAU - Apple iOS Application Development Centre in association with Apple Inc.on 6th Feburary 2016.
- Ms. C. Vijayalakshmi AP(Sr.Gr),Ms T.Anusuya, AP attended guest lecture on Attended guest lecture on Cybercrime, IT standards and legislation on 5.2.16 at BSAU.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
-	06	-	07	13

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

INTERNATIONAL JOURNALS

- Kavitha Subramaniam and LathaTamilselvan “Predictive Energy Efficient and Reliable Multicast Routing In MANET” Research Journal of Applied Sciences, Engineering and Technology” Vol 9 Issue No 9, pp:706-714, March 2015.
- J. Subathra and P. Latchoumy “QoS Ranking Prediction Framework for Cloud Services” International Journal of Scientific and Engineering Research, Vol 6 Issue No 4, pp: 24-27, April 2015.
- Nabeena Ameen “Cloud Based Elderly Patient Monitoring During Emergency Using Wireless Body Area Networks-Survey” International Journal of Science and Innovative Engineering & Technology, Vol. 1, pp: 6-8, May 2015.
- Nabeena Ameen “A Review on Cloud Based Patient Monitoring” International Journal of Information Technology & Systems” Vol. 4, Issue No 1, pp: 23-27, June 2015.
- Shakkeera.L and Latha Tamilselvan “Efficient Scheduling Strategy for Dynamic Resource Allocation on IaaS Private Cloud” Australian Journal of Basic and Applied Sciences Vol 9 Issue No 27, pp: 168-180, August 2015.
- P. GNANASEKARAN Dr. T. R. RANGASWAMY “Relative Link and Path Stability based Routing Protocol for” International Journal of Applied Engineering Research Vol 10 Issue No 16, pp: 36602-36609, September 2015.
- Veeralakshmi Ponnuramu &Latha Tamilselvan “Encryption for Massive Storage in cloud” Smart Innovation, Systems and Technologies Vol 32 pp: 27-37, October 2015.

INTERNATIONAL CONFERENCE

- Sharanya Devi.S, Shakkeera.L “ Stability Enhancement of High Dimensional Data using Feature Selection and Unsupervised Learning” in International Conference on Recent Trends in Engineering Research (ICRTE ‘2015) organized by VELS university, Chennai during 24th – 25th April, 2015.
- R. Mythily,W. Aisha Banu, and Shriram Raghunathan, "Clustering Models for Data Stream Mining," Procedia Computer Science, Elsevier,Vol. 46, pp. 619-626, April 2015.
- S.Anitharaj, R.Priyadarshini "An Efficient Tracking system for reverse auction in cloud computing" in International conference on innovative technologies of computing sciences (ICITCS '2015) during 17th and 18th April 2015 organized by Vels University, Chennai.

- J Jeya Barathi, G Kavitha and Mohamed Imran, "Building A Mobile Personalized Marketing System Using Multidimensional Data", IEEE International Conference on Smart Technologies and management for Computing, Communication, Controls, Energy and Materials, organized by Veltech University during 6th -8th May 2015.
- R. Priyadarshini, Latha Tamilselvan, T. Khuthbudin, S. Saravanan and S. Satish "Semantic Retrieval of Relevant Sources for Large Scale Virtual Documents", Procedia Computer Science, Elsevier, Vol.no.54, pp. 371-379, August 2015.
- L.Shakkeera and Latha Tamilselvan "Energy- Aware Application Scheduling and Consolidation in Mobile Cloud Computing with Load Balancing" in Emerging Research in Computing, Information, Communication and Applications(ERCICA 2015), Volume 2, Springer India Publications on 22nd August, 2015. pp: 253-264.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

- a) RANGE : 0.13-0.16
- b) AVERAGE : 0.1475
- c) h-INDEX : 1
- d) NO. IN SCOPUS: 4

ACHIEVEMENTS OF STAFF

- Mr.N.Prakash, AP(Sel.Gr) Completed PhD Viva Voce on 30.04.2015.
- The following faculty members received cash award under Research Incentive Scheme of BSAU on on 31st August 2015.

Dr.Latha Tamilselvan Prof & Head
 Dr.M.Kabeer, AP(Sel.Gr)
 Dr. G. Kavitha, , AP(Sel.Gr)

ACHIEVEMENTS OF STUDENTS

- Mr.SHYLESH PATIL, Mr.HUSSAIN.M.DHORAJIWALA and Mr.MOHAMMED FAYAZ of final year B.Tech IT students presented paper on "GREEN CLOUD COMPUTING" and secured the First Place in the event "CLOUD CONNECT" in CRESPIRE 2015 organized by the department of IT on March 2015.
- Mr.HUSSAIN M DHORAJIWALA student of final year B.tech IT was awarded as the BEST OVERALL PERFORMER OF THE DAY in Crespire2015.
- MS.THARIKA, MS.SOWMIYAA students of final year B.tech IT presented paper in CRESPIRE 2015 and won second place.
- VIGNESH V, VENKAT NARAYANAN AND VIGNESH KUMAR of students of final year B.tech IT developed a mobile app on ANDROID Application based on MONGO DB Infrastructure in the IOS App Development event conducted by the department of IT.

- LAKSHMI NARAYANAN and NAWAZ KHAN students of final year B.tech IT have represented CRESCENT TEAM DRAMATICS and won 1st place in MIT, PIIMS and special performance in STAR ICON AWARDS RAJ TV during the academic year 2014 – 2015.
- KEERTHANA student of final year B.tech IT has participated in ICF TOURNAMENT for ball badminton and got best player record and won a cash price of Rs. 8000 and also participated in Karaikal State Level Tournament and won a cash price of Rs 5000 and fourth place in SRM Founders Trophy, won Rs 6000 cash price and rewarded as best player of the event.
- SATHAKKATHULLA student of final year B.tech IT has represented CRESCENT KABBADI TEAM and won 3rd prize in DHANALAKSHMI TROPHY at DHANALAKSHMI ENGINEERING COLLEGE.
- NAYIMUDEEN student of final year B.tech IT has won 1st place in INTERAMORALS in TABLE TENNIS conducted at BSAU.
- ARAVIND student of final year B.tech IT has won 1st place in INTERAMORALS in FOOTBALL conducted at BSAU .
- NAWAZ KHAN & SHAFEEQUR RAHMAN students of final year B.tech IT have won 1st place in INTERAMORALS in BASKET BALL conducted at BSAU
- SATHAKKATHULLA student of final year B.tech IT has won 1st place in INTERAMORALS in VOLLEY BALL conducted at BSAU.
- SWASTIKA, KAAMILA AYSHA BANU, KATHIJA AZLINA and THARIKA students of final year B.tech IT have won 2nd place in INTERAMORALS in BALL BADMINTON and THROWBALL conducted at BSAU.
- ASHWIN RAJ, VENKATACHALAM, ARAVIND, SATHAKKATHULLA, HIDAYATHULLA, SARAVANA KANNAN and AMEER AHMED students of final year B.tech IT have secured first place in “TECHNICAL MATERIAL HUNT” in TECHOFES 2015 organised by the ANNA UNIVERSITY and they were also awarded with a cash prize of Rs.1500.
- MR.MOHAMMED TABISH GAWAI third year IT student won First Prize in Channel Surfing on Literary Day .
- AJEEIBRAHIM, MATHUPRASATH, VENKATRAMAN.R students of third year B.tech IT secured first three place in workshop on "Network Security" in association with IBNC INDIA Ltd and I-Medita Learning Solutions(P) Limited during 19th to 21st September 2015.
- MR.MUHAMMED AQIB Third year B.Tech IT student won the first place in “Debugging” event under Innovative Interact Club of Department of Information Technology on 10th October, 2015.
- MR.MOHAMMED TABISH GAWAI student of third year IT received runner up in Founders trophy men’s football match B.S. Abdur Rahman held on March 2015.
- MR.MOHAMMED TABISH GAWAI third year IT student won State level 3rd place In St. Joseph’s tournament men’s football(JETS) March 2015.
- Mr.Mohammed Tabish Gawai third year IT student received State level – runner up at B. S. Abdur Rahman Founder’s trophy for men’s football February 2016.
- Deeshan samira.A of B.Tech (IT) second year has secured 3rd place in the event “POTPOURRI” on Literary day 2015 held on 31st of October.

- Mohammed Aamir of B.Tech (IT) second year has secured 2nd place in the event “Creative Writing” on literary day 2015 held on 31st of october.
- Mohammed Irfan Khan of B.Tech (IT) second year has secured 2nd place in the event “Adzap” on literary day 2015 held on 31st of october.
- Mohammed Irfan Khan of B.Tech (IT) second year has secured 2nd place in the event “Channel Surfing” on literary day 2015 held on 31st of october.
- Mohammed Irfan Khan of B.Tech (IT) second year has secured 1st place in the event “Variety and Adzap” on Orion 2015.
- Shammer Khan of B.Tech (IT) second year has secured 2nd place in the event “Adzap” on Orion 2015.

INDUSTRY / INSTITUTE COLLABORATION

- Dr.Latha Tamilselvan Prof & Head, visited and discussed for “Social Innovation and Entrepreneurship”, at Hindustan University Innovation Centre - IIT Madras on 10th August 2015.
- The school of Computer Information and Mathematical Sciences have conducted and participated in industry Institute Meet on 10th October 2015.

SOCIETY ACTIVITIES

- The department has organized the Inaugural function of the Society of Information Technologist (SIT) on 12th August 2015.



ANY OTHER INFORMATION

- Ms.L.Shakkeera,AP(SG)/IT organized Industrial Visit Programme for second year B.Tech (IT) students to Larson & Turbo Limited, Manapakkam, Chennai on 8th September, 2015.
- Dr.N.Prakash, AP(Sel.Gr), acted as the department Coordinator for Open House Event on organized by BSAU on 16th & 17th October 2015.
- Dr.Latha Tamilselvan, Prof. & Head, one of the member in organizing the inauguration of Innovation Center on 15.10.15 at BSAU.
- Ms.C.Vijayalakshmi,AP(Sr.Gr) coordinated "ICTACT Digital Youth Summit 2016" organized by ICTACT held on 30th Jan 2016 at BSAU, Chennai.
- The State government has honoured 26-year old S. Mohammad Yunus, IT Dept Alumni (2007-2011 Batch) BSAU, for his “selfless, noble and brave act” of rescuing nearly 2,100 people during the recent floods that devastated Chennai.
- Mr.Venkatesh , student of Third year IT became the editor of the Rotaract Youth Club and participated in various activities like Chennai flood relief and blood donation camps.

DEPARTMENT OF COMPUTER APPLICATIONS

COMPUTER APPLICATIONS

TRAINING PROGRAMMES OFFERED

- Cisco Certified Network Associate (CCNA)
- Oracle Certified Associate (OCA)

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- B.S.Abdur Rahman University along with Computer Applications Department organized QEEE pilot programme for Engineering students and this programme virtually conducted by IIT Mumbai during August – October 2015.

S.No	Title of the workshop	Chief guest	Date
1	One day work shop on “Google applications and Android Programming “	Mr. Mohamed Ibrahim Director Marketing Hibrise TTechnologies,Chennai	13 th February 2015
		Mr.Aravind Hibrise Technologies	
		Dr .Hameed Khader Counsellor,B.S.A University	
2.	One day work shop on” Soft skills and Google Applications”	Mr. Damodharan CEO, Managing Director Ameex Technologies Chennai.	20 th Feb,2015
		Mr. Domnic Project Management Ganymede Solutions Chennai	
		Mr. Thameem Saied, Technical Director, Fortran Cirkit Electronics, Chennai.	
3	QEEE Pilot Programme for Engineering students	Professors from IIT Bombay	August 2015- October 2015
4	One day seminar on“Way to Effective Communication Skill Development & Succeeding in Interview	Mrs .Ruby Subash Corporate Training Consultant,Chennai.	05.11.2015

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- M.Syed Masood ,Mr.Salman Ayaz ,S.Prathiba attended one day workshop on “Quality Assurance in Academic & Sponsored Research” conducted by B.S Abdur Rahman University on 7th March 2015.
- Mr.Salman Ayaz attended Five days training program on “SQL training program” conducted by ICTACT at B.S Abdur Rahman University during 15th-20th March 2015.
- The following staff members attended one day workshop on Women Academic Managers : Challenges and Approaches held on 29th April 2015 at B.S.Abdur Rahman University
 - 1.Dr.A.Jaya
 - 2,S.Shahar Banu
 - 3.Dr.Anny Leema
 - 4.G.Shree Devi
 - 5.P.K.Nizar Banu
- Dr.Anny Leema and .Salman Ayaz attended two days faculty development program on “Introduction to PHP and MySql held on 18th and 19th June at Sri Sai Ram Institute of Technology, Chennai
- All the staff members have attended three days workshop on Quality Assurance on July 13th, 15th and 16th.conducted by B.S.Abdur Rahman University.
- S.Shahar Banu,S. Prathiba and P.K. Nizar Banu attended 6 days Faculty Development Programme on “A school on Algorithms and Techniques” organized by the Department of Computer Science and Engineering during July 22nd-27th 2015.
- Dr.A.Anny Leema attended two days workshop on “Analytics, Internet of Things & Web of Things – A 360 ° View” held during 6th and 7th October, 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

- Faculty members of Computer Applications department published 28 research papers during the year 2015 to 2016 .Out of which 3 in National conferences ,13 in International conferences and 12 in International Journals .

National Conference	International Conference	National Journal	International Journal	Total
3	13	-	12	28

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

International Journal

- P.K. Nizar Banu, S. Andrews , Performance Analysis of Hard and Soft Clustering Approaches for Gene Expression Data’. International Journal of Rough Sets and Data Analysis, Vol. 2(1), pp. 58-70, January-March 2015

- P.K. Nizar Banu S. Andrews, "Evaluation of Fitness functions for Swarm Clustering applied to Gene Expression Data, "Computational Intelligence in Data Mining, Vol. 3, pp: 571-581. January 2015 (Indexed in Scopus, Springer Link)
- Javubar Sathick, A.Jaya "Natural Language to SQL Generation for Semantic Knowledge Extraction in Social Web Sources", International Journal of science and technology
- M.Chithik Raja and M.Munir Ahamed Rabbani," Comprehensive and Coordinated Security of Knox Gateway in Big Data", International Journal of Advance Research in Science and Engineering", IJARSE, Vol.4, Issue 03, pp. 61-69, March 2015. (Impact Factor: 1.142)
- M.Syed Masood, Dr.P. Sheik Abdul Khader , " Enhanced Round Robin Packet Scheduling Technique to support Multimedia Applications in MANET", International Journal of Applied Engineering Research, Vol 10, No 4 , April 2015, pp. 8699-8713.(Scopus Indexed)
- D.Priyanka ,S.Shahar Banu," Prediction on Lung Disease Using K Means Algorithm", International Journal of Innovative Research in Technology, Vol 1,No 11,pp 239-244,May 2015,
- A.Shobana Angelin,S.Shahar Banu," An Approach for Identifying cancer Tissue Using Support Vector Machine Algorithm", International Journal of Information Research and Review Vol 2,No 4, PP660-664, May 2015
- Zameer Gulzar and A.Anny Leema," Educational Data Mining Using SCORM Specifications on Learning Management System", International Journal of Applied Engineering Research, Research India Publications, Volume 10, Issue 82, Pages 592-600. (Anex-I), Scopus Indexed.
- P.K. Nizar Banu S. Andrews," Gene Clustering Using Metaheuristic Optimization Algorithms", International Journal of Applied Metaheuristic Computing. Vol. 6, No. 4, pp. 14-38, 2015.
- P.K. Nizar Banu, S. Andrews," Enhanced Swarm based Feature Selection for Clustering Gene Expression Data ",International Journal of Applied Engineering Research, Vol. 10, No. 82, pp. 523-527, 2015
- Vidhya Sathish,P.Sheik Abdul Khader , " An investigational study on intrusions based traffic identification using WEKA tool", International Journal of Applied Engineering Research,Vol(10),iss(15),pp35160-35166,Aug 2015.
- Murugesh,A.Jaya," Construction of Ontology for software requirements elicitation.", Indian journal of science and technology (**Annexure I**) Scopus Indexed vol 8,issue no 29,Nov 2015

International Conference

- Murugesh A.Jaya , "Construction of ontology for software requirements elicitation", International Conference on innovations in contemporary IT Research, Quaid-E-Millath Government college for Women, Chennai, 7th Feb2015
- Murugesh, A.Jaya , " Role of domain knowledge representation for software requirements elicitation(virtual presentation)",International Conference on Signal Processing, Control and Data Analytics, San Diego, USA, 15thMar 2015
- Mervin, A.Jaya , "Efficient Approach to Ranking the Answers in KBQA using Ontology", Fourth International Conference on Contemporary Engineering and Technology ICCET-2015, 15th Mar 2015

- Mervin, A.Jaya," Classification of user's answer using sentiment analysis", International Conference on Signal Processing, Control and Data Analytics-International Society for Scientific Research and Development (ISSRD hosted in USA), 14th Mar 2015
- Mervin, Murugesh A.Jaya , " Ontology Construction for explicit description of domain knowledge", IEEE International Conference on Innovation Information in Computing Technologies, Saveetha Engineering College, Chennai, Feb 19th, 2015,
- Mervin A.Jaya , " Automatic Classification of Questions in Knowledge Based Question Answering System using Ontology", International Conference on Innovations in Contemporary IT Research, Quaid-E-Millath Government College for Women, Chennai, 6th&7th Feb2015.
- Sunitha.C, A.Jaya," A Phoneme Based Model For English To Malayalam Transliteration", IEEE International Conference on Information, Innovation in Computing Technology, Saveetha Engineering College, Chennai, 19th & 20thFeb2015 Quaid-E-Millath Government College for Women, Chennai
- K.Vijayalakshmi, R.Srimathi, A.Anny Leema , " Prevention of xss attacks through data sanitization techniques", International Conference Innovations in contemporary IT research, Quaid-E-Millath Government College for Women, Chennai, Feb 2015
- K.Vijayalakshmi, N.Revathi Priya, A.Anny Leema," Enhancing Web Application Security Using Input Validation And Restriction Techniques To Mitigate Xss Attacks, International Conference on Innovations in contemporary, IT research, Quaid-E-Millath Government College for Women, Chennai, Feb 2015
- C.Atheeq,M.Munir Ahamed Rabbani, "Effective Cluster Key Mechanism for Integrated Internet MANET", International Conference on Power, Circuit and Information Technologies, Bangalore, India, 27-28th April, 2015.
- M.Syed Masood, P.Sheik Abdul Khader , " Effective Queue Management using Fuzzy Logic for Congestion Control in Delay sensitive Applications over Mobile Ad-hoc Networks", Third International Conference on Emerging Research in Computing,Information, Communication and Applications (ERCICA 2015), Nitte Meenakshi Institute of Technology, Bangalore,Aug 2015.
- Zameer Gulzar , A.Anny Leema," Status of E-learning in Indian Universities through the Analysis of Learning Management System Scenario", International Conference on Global Congress on Computing and Media Technologies, GCMT 15, Sathyabama University, 25th - 27th Nov 2015
- Zameer Gulzar , A.Anny Leema," Educational Data Mining Using SCORM Specifications on Learning Management System", International Conference of Advance Computing, ICAC' 15, Jamal Mohammad College, 3 rd and 4th Dec 2015

National Conference

- Zameer Gulzar ,A.Anny Leema", Sharable content Object Reference Model : An Overview ",National Conference Computing Technologies Today's and Beyond, R.M.K College of Engineering, Mar 2015
- B.Kavitha ,S.Prathiba," Load Balancing using Future Prediction algorithm and user based priority", National Conference on Recent Trends in Information Technology and Communication ,Valliammai Engineering College ,Chennai Apr 2015

- S.Prathiba,” Queue based job scheduling in cloud computing “,National Conference on Innovative Trends in Engineering and Technology, Panimalar Institute of Technology ,Chennai May 2015.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION

- a) RANGE - 0.5- 2.5 b) AVERAGE - 1.5 c) h-INDEX - 12
- d) NO. IN SCOPUS - 4

ACHIEVEMENTS OF STAFF

- Dr.A.Jaya , delivered a guest lecture on “ Art of Writing Research Articles” In the national level faculty development workshop organized by Krishnaswamy arts college for Women on 1st April 2015
- Dr.A.Jaya acted as a judge for Paper Presentation in technical symposium XPLOITS & COLOSIUM on 28th March 2015 at Valliammai college of Engineering, Chennai
- Dr.A.Jaya delivered guest lecture on” Recent trends in Information technology ” organized by St. Thomas college for arts and science on 10th February 2015
- Dr.A.Jaya acted as a Session chair in the Second International Conference on Innovations in Contemporary IT Research (ICITR-2015) ” during 6th – 7th february 2015 organized by Department of Computer Science, Quaid-E-Millath Government College for Women (Autonomous) in Chennai

ACHIEVEMENTS OF STUDENTS

- A.Meera Sulthana participated in PAPIRA(Artificial Intelligence) event of Infogeddon-2015 conducted at Sri Ram Engineering College on 2nd Sep 2015.
- A.Meera Sulthana participated in Bug Buster event of Infogeddon-2015 conducted at Sri Ram Engineering College on 2nd Sep 2015.
- A.Mohamed participated in web designing event conducted at Meenakshi Sundararajan Engineering College on 20TH Aug 2015.
- Zuber Basha ,Arsath Ali, Aswin Kumar and Jaleel of II MCA A Section participated in the National Conference “ Career Choices of B-School Students” held on 6th October 2015.
- Aswin Kumar, Zuber basha, Mohammed Azarudeen, Arsath Ali, Shathick of II MCA A section attended the InCyCon’15 Conference and entitled for 16 CPE credits on 7th and 8th of August 2015 at B.S.Abdur Rahman University, Chennai, India and the p.
- Aravind,Arsath,Ashwin, Junaid,Nivetha,Salu, Shathick,Suganthi, Zuber and Rajasekar of II MCA A section attended the International Conference on Cyber Security held in our University on 7.8.15 and 8.8.15.

DEVELOPMENTAL ACTIVITIES

B.S. Abdur Rahman University along with Computer Applications Department successfully launched live classes of MHRD's QEEE pilot programme for Engineering students for the following subjects during August 2015 – October 2015.

- Chemical Reaction Engineering
- Control Systems
- Fluid Mechanics
- Construction Planning and Control
- Smart Phone Computing
- Space Time codes MIMO and Massive MIMO
Part1- Wireless communication
- Digital Signal Processing
- Data Structures & Algorithms
- Machine Design
- Chemical Reaction Engineering
- Software Engineering



Club Activities

The Nature club and Android club activities of the department were successfully initiated on 01.10.2015. The students of Computer Applications Department attended and participated in the programme. The First Nature Club Activity titled Poster presentation on “ Green Revolution and Green Computing” was conducted on the same day.

The students participated in the activity are: Syed Imran and Syed Imran Ahamed presenting a poster on green revolution Mohamed Rehan Patel and Zafeer presenting a poster



INDUSTRY / INSTITUTE COLLABORATION

B.S.Abdur Rahman University organized Industry Institute Meet on 10.10.2015. The guests who were invited by the Computer Application Department from the following companies attended the meet and agreed to provide internship , projects and placement for MCA students .

Sl.No.	Name of the Guest	Designation	Company name & Address
1	Mr.Tameem Sayed	Managing Director	Fortran Cirkit, Chennai
2	Mr.Shahwawaz	Director	Hi Brise Chennai

3	Mr.Saravanan	Global SME	IBM,Chennai
4	Mr.Nizam	Software Architect	Sparx Systems Chennai
5	Mr.Sathya	Director	Edusculpt Chennai
6	Ms.Dhanalakshmi	Team Leader	TCS Chennai
7	Mr.Kottiswaran	Project Head	Polaris, Chennai
8	Mr.Salih	Senior Developer	Effort Solutions, Chennai
9	Mr.Jeeva	Lead Software Engineer	Sutherland, Chennai
10	Mr.Dominic	Senior Developer	Ganymede, Solutions Chennai
11	Mr.Balamurugan	Project Manager	I.S.G.N, Chennai
13	Mr.Gajendran	MTS 2 Engineer	Paypal ,Chennai

SOCIETY ACTIVITIES

The Inauguration for the activities of the Computer Applications Association for the academic year 2015-16 was held on 04.09.2015. Mr. Iniya Nehru, Senior Technical Director NIC Chennai was the chief guest for the function. He inaugurated the activities and delivered a Motivational Talk on Placement Opportunities.

National Technical Symposium - CyberCrest'16 was held on 16th March 2016.

**DEPARTMENT OF MATHEMATICS &
ACTUARIAL SCIENCE**

MATHEMATICS AND ACTUARIAL SCIENCE

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

S. No	Date /Month /Year	Name of the Conference/FDP/Seminar/Workshop	Details of the Programme
1	7-9, June 2015 	ADMA Pre conference Workshop on Fuzzy Graphs	Invited Talk 1 Dr. S. Arumugam , Director, – CARDMATH, Kalasalingam University Invited Talk 2 Dr. V. Lakshmana Gomathi Nayagam , Professor, NIT, Trichy
2	10 th -12 th , June 2015 	Eleventh Annual Conference of ADMA (Graph Theory Day XI)	Guest of Honor Prof. R.B. Bapat from ISI(Delhi), Prof. S. Sane from IIT(B) Prof. P. Paulraja from Kalasalingam University,
3	1/08/2015 	One day workshop on “Role of Mathematics in Bio-Modelling”	Invited Talk 1 Prof. R. Sahadevan , Ramanujan Institute of Advanced Studies in Mathematics. Madras University. Invited Talk 2 Dr. Shangerganesh Lingeshwaran , Postdoctoral Fellow, Indian Institute of Science, Bangalore. Invited Talk 3 Prof. Mini Ghosh , School of Advanced Sciences, VIT, Chennai
4	12 th and 13 th Feb 2016 	National Workshop on “Demographic Changes and its Challenges: An Actuarial Perspective”	Invited Talk 1 Prof. S.S. Narayana Swami , Former Dean, PGP Educational Institution, Namakkal, Invited Talk 2 Mr. V.R. Kumar Actuarial Manager, LIC, Chennai. Invited Talk 3 Mr. Manikandan , Actuary, Swiss Re, Bangalore. Invited Talk 4 Dr. P.R. Vittal , Visiting Professor, Madras University.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

CONFERENCE	FDP	Seminar	Workshop	Total
3	2	0	13	18

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
8	9	0	11	28

- **DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES: (IEEE format) NIL**

DETAILS OF PRESENTATIONS / PUBLICATIONS INTERNATIONAL JOURNAL – LIST OF PUBLICATIONS

SNo	Authors as Appeared in the Publication	Publication Title	Journal Title	Volume No.	Issue No.	Page No	Month & Year of Publication
1	P.S. Sehk Uduman, A. Divya	A Review of Fuzzy Risk Analysis Model and Predator-Prey Model in Fuzzy	International Journal of Applied Engineering Research	10	42	3096 9- 3097 5	2015
2	M.G. Fajlul Kareem, P.S. Sehk Uduman	A Study on some Bio-Mathematical Models using the Setting the clock back to zero property	International Journal of Applied Engineering Research	10	42	3097 6- 3098 3	2015
3	M.G.Fajlul Kareem, P.S. Sehk Uduman	Multi Stage Homotopy-Perturbation Method for the Fractional Order Chua's System	International Journal of Engineering Technology Science and Research	2	5	109- 117	May-2015
4	F. Amjad Basha, Sindhu J Kumar	Centralized Parallel Communicating Non Synchronized Pure Pattern Grammar System	American International Journal of Research in Formal,	10	1	35-39	May-2015

		with Filters	Applied & Natural Sciences				
5	M.G.Fajlul Kareem, P.S. Sehk Uduman	Multi Stage Homotopy-Perturbation Method for the Fractional Order Lorenz's System	International Journal of Computer & Mathematical Sciences	4	6	1-9	June-2015
6	G. Shree devi and M. Munir Ahamed Rabbani	Performance Evaluation of Global histogram equalization techniques using neighbourhood metrics over facial databases.	International journal of Tomography and simulation	---	---	---	Jan-2016
7	T.R.RAMESH RAO	A comparison Between the Differential Transform Method and Homotopy Perturbation Method for a system of Nonlinear Chemistry Problems	Indian Journal of Applied Research	6	2	22-31	Feb 2016
8	T.R.RAMESH RAO	A Study On Linear and Non linear Schrodinger Equations by Reduced Differential Transform Method	Malaya Journal of Matematik	4	1	59-64	Feb 2016
9	Sindhu J Kumar, F. Amjad Basha	A note on Contextual Insdel System with Sequential Operations	International Journal of Applied Engineering Research	---	---	---	2016
10	F. Amjad Basha, Sindhu J Kumar	Comparitive Literature Survey of Insertion-Deletion System	Global Journal of Pure and Applied Mathematics	---	---	---	2016
11	Divya Arumugam and P.S. Sheik Uduman	Modified Decagonal fuzzy cognitive maps (MDFCM) for ranking the risk factors of	Global Journal of Pure and Applied	12	1		2016

		pregnancy induced hypertension (PIH)	Mathematics (GJPAM)				
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SPONSORED RESEARCH (ONGOING / APPLIED)

S. No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. P.S. Sehik Uduman and Dr. U. Sabura Banu	DST	Risk factor Analysis of Heart Disease using Mathematical and intelligent techniques	10 Lakhs	Referring Stage 1

ACHIEVEMENTS OF STAFF

S. No	Name of the Staff	Achievement of the Staff	Month /Year	Details
1.	Mr. M.G. Fajul Kareem	Best Paper Award appreciation certificate	April/2015	Presented a paper entitled "A study on Fokker planck and burgers equation by space two functional derivatives" in the third international conference on "Emerging trends in Scientific research, Malaysia.

ACHIEVEMENTS OF STUDENTS:

S. No	Name of the Student	Achievement of the Student	Month /Year	Details
1	Ms. Rupel Narghunam	Professional Exam	May/ 2015	CT1/Financial Mathematics Examination conducted by Institute of Actuaries of India

ANY OTHER INFORMATION:

- Dr. P. S. Sehik Uduman as an External expert in the Academic Audit 2015 of Department of Mathematics, AMET University, Kanathur.
- Dr. P. S. Sehik Uduman served as a judge in District Level Jawaharlal Nehru Science and Mathematics Exhibition at Government Girls Hr.Sec School, Chengelpattu.
- Dr. S.Srinivasan served as a judge for Paper presentation in One day State Level Symposium on Humanities and Applied Sciences, Converges – 2016, Sai Ram Engineering College, Chennai-44

SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES

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

**DEPARTMENT OF
ELECTRICAL & ELECTRONICS
ENGINEERING**

ELECTRICAL AND ELECTRONICS ENGINEERING

TRAINING PROGRAMMES OFFERED

- Organized ANSYS Training programme during 5-6 May 2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS : CONDUCTED

- Organized one day hands on workshop on “Industrial Automation using PLC” on 20th January 2016(Wednesday).

GUEST LECTURES CONDUCTED:

- Guest Lecture on “Smart Grid and Digital Substations” delivered by Mr.Mohamed Farook on 20.8.15 at BSAU.



- organized a technical lecture on “Power System Network Laboratory” by Mr. Ganesh Moorthy and Albert, M/s.Newton technologies on 29/8/15 at Seminar Hall, Department of EEE, BSAU.

- Organised a technical talk on “Smart Grid Lab” by Mr. Skandan, M/s. VI Micro systems on 3/9/15 at Seminar Hall, Department of EEE, BSAU.



- Organized a guest lecture on “ Industrial Automation (PLC & SCADA) “ on 16th September 2015 at BSAU.

- Organized a guest Lecture on “Electric Power Distribution in Industry” on 19th Feb 2016. Alumni of our Department of EEE Mr. Janarthanan, Principal engineer, M/s. Petrotac, Chennai delivered the Guest Lecture.



- Organised a guest Lecture on "Molecular imaging in disease diagnostics" by Dr. Ammasi Periasamy, Professor & Center Director, University of Viriginia, USA on 4.06.2015

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Dr.K.Boopathy, Assoc. Prof/EEE attended Short term course on “Power Electronics For Grid Connected Renewable Energy System (PEGCRE-2015) ” from 14th to 16th May 2015, at NIT Calicut.
- Mrs. Jennathu Beevi attended a workshop on “ Women Academic Managers : Challenges and Approaches held on 29th April 2015 at BSAU organized by Women Empowerment Cell, BSAU.
- Mrs.Ramya- AP/EEE, Mrs Divya Vijay- AP/EEE, Mrs. K.G.Shanmugapriya, AP/EEE, Belwin J.Brearley, AP(SG)/EEE, Ms.Sarmila Har Baegum, AP/EEE, Mr.Athbel Joe AP/EEE and Mr.S.Suresh AP/EEE participated in didactic seminar on cadence Orcad, PSPICE Orcad organized by ECE department BSAU on 26th July 2015.
- Mrs.Ramya, AP/EEE, Mrs. K.G.Shanmugapriya AP/EEE, Belwin J.Brearley, AP(SG)/EEE and G.Kavitha, AP/EEE and Ms. Sarmila Har Baegum AP/EEE attended ANSYS training at BSAU on 5th and 6th of May 2015.
- Mrs Divya Vijay, AP/EEE attended FDP on MATLAB, SIMULINK at HSP, ISRO during April 2015.
- Mrs. Jennathu Beevi, Ms. Sarmila Har Baegum AP/EEE Mrs. K.G.Shanmugapriya, AP/EEE Mr.S.Suresh, Mrs. Nisha. K – AP/EEE AP/EEE, attended a one day workshop on Quality assurance in Research at BSAU on 7th March 2015.
- Mrs. K.G.Shanmugapriya, AP/EEE and Sarmila Har Baegum AP/EEE attended Women Opportunities and Challenges at BSAU during April 2015.
- Mr.S.Suresh, AP/EEE attended a workshop on “Bigdata analysis and signal processing using MATLAB” at Guindy
- Ms.V.Selvi attended National Seminar on “Wind Energy Conversion Systems: Opportunities and Challenges ”organized by SELECT,VIT Chennai on 14 March 2015.
- Ms.V.Selvi attended one day National Seminar on “Research Challenges in Micro grid ” organized by SELECT,VIT Chennai on 9 May 2015.
- Ms.V. Selvi attended one day workshop on “Women academic Managers: Challenges and Approaches”, Organized by BSAU on 29 April 2015.
- Dr.R.Raja Prabu, Prof/EEE & Dean (AR) attended workshop on ABET on 28th September 2015 organized at Chennai.
- Dr. I.Mohammed Rafeequidin, Prof/EEE, Mr. A. Sultan Saleem Assoc. Prof/EEE attended two days workshop on Smart Grid and Renewable Energy organized by CPRI, Bengaluru on 26th and 27th November 2015.

- Ms.V. Selvi, AP/EEE attended FDP on “Role of Renewable Energy in an Indian Power Sector (RPEIPS15)” from 21.9.2015 to 27.9.2015 at Anna University, BIT campus, Trichy.
- Ms.A. Kalirathinam, AP/EEE attended a workshop on “Self Defence training programme for woman at BSAU” on 7th August 2015.
- Ms.A. Kalirathinam, AP/EEE and Ms. Sarmila Har Baegum, AP/EEE participated one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English language at BSAU” on 28th October 2015.
- S.Jennathu Beevi AP(SG)/EEE attended a 3 days’ workshop on “Real time simulations of Electrical systems” organized by school of Electrical Engineering, VIT Chennai from 20th to 22nd August 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
05	13	--	15	33

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

INTERNATIONAL JOURNAL

- 1) Mahendiran C.R and **R.Raja Prabu Prof/EEE**, “Design of low wind speed horizontal axis wind power generator” **International Journal Of Science, Engineering And Technology Research, ISSN 2278-7798, Vol No:4, Issue No:4,pp 697-706, April 2015.**
- 2) S.Nivethitha,Y. **Md Shuaib AP(SI.G)/EEE, A.Sultan Saleem Assoc Prof/EEE**,“Optimal capacitor placement for power loss minimization in radial distribution system using group search optimization algorithm “**International Journal Of Infinite Innovations In Engineering And Technology, Vol No:2, Issue No:1.pp 42-53,May-15.**
- 3) Imran Khan V T and **A.Sultan Saleem Assoc Prof/EEE**, “The Smart grid technology for optimal and distributed demand response strategy with electrical vehicle,” **International Journal Of Infinite Innovations In Engineering And Technology, Vol No: 2, Issue No:1,pp54-64,May 2015.**
- 4) Yazar Arafath S and **A.Sultan Saleem Assoc Prof/EEE**, “A Customer reward scheme based demand response for domestic load, “**International Journal of Infinite Innovations in Engineering and Technology.VolNo:2, IssueNo1:pp21- 33, May-15.**

- 5) Mahendiran C.R, **M.Ram Kumar AP/EEE**, "A novel control topology of Quasi ZSI based PV system International Journal of Science, Engineering and Technology Research, Vol No: 4, pp 903-908, April 2015.
- 6) M.Kavitha, **R.Ramya AP/EEE**, "Liquid Food Preservation by pulsed electric field (PEF) treatment", International Journal Of Infinite Innovations In Engineering And Technology, Vol No:, Issue No:1, pp 46-154, May 2015.
- 7) Fahadh Riyaz, **Dr.R.Jayshree Prof/EEE**, **Sarmila Har Beagam AP/EEE**, "A comparison of genetic algorithm and differential evolution for performing optimal power flow", International Journal Of Infinite Innovations In Engineering And Technology, Vol No:2, Issue No:1, pp , May 2015.
- 8) Javid Ahamed S, Mahendrian C R, **Ram Kumar M AP/EEE**, "A Novel Control topology of Quasi ZSI based PV systems", International Journal of Science, Engineering and Technology Research, Vol No:4, Issue No:4, pp 903-908, April 15.
- 9) M.Mohamed Shafeer, **K.Nisha AP/EEE**, "Transient stability improvement of parallel operated PMSG-based offshore wind turbine generators using STATCOM and UPFC," International Journal Of Infinite Innovations In Engineering And Technology, Vol No:2, Issue No:1, pp 1-4, 9 May 2015.
- 10) **Dr.R.Jayashree**, D.Buvana & R.Soundarapandian, "Adaptive Neural Network Controller for two level switched coupled inductor non isolated bidirectional DC/DC converter based DC Drive," International Journal of Applied Engineering research, Vol No: 10, Issue No:09734562, pp 191-197, Aug 2015.
- 11) Dj.Taniguevelane, **Dr.K.N.Srinivas**, "International Journal Of Applied Engineering Research," Deduction of Pilferage of Energy using PLC signal, Vol No:10, Issue No:9, pp 23573-23581, April 2015.
- 12) S.Jennathu Beevi, Richa, R.Jayashree, "Load Frequency Control in Deregulated environment of an international power system with multisource generation using superconducting magnetic energy storage device," International Journal of advance Engg & research development , Vol:12, Issue 4, April 2015, Issn 2348-4470.
- 13) D.Buvana, R, Jayashree, "Bidirectional DC-DC converter with MPPT controller using PV array ," International Journal for Research in Applied Science & Engg Technology, Vol:13, issue:XII, pp 289-295, Dec 2015.
- 14) R.Shanthini, Dr, K.Boopathy, "Speed Control and Power factor Correction using Bridgeless Buck Boost Converter for BLDC motor Drive," International Journal of Science Engineering and Technology Research (IJSETR)", Vol :4, Issue:4, pp 849-851, April 2015.

- 15) S.Jennathu Beevi R.Jayashree,S.Shameer Khan, "ANN control for Load Frequency Control,"International Journal for Research in Applied Science & Engineering Technology,"Vol:4,Issue No:1,pp 67-71,Jan 2016

INTERNATIOANL CONFERENCE

- 1) Mahendiran C R,Javid Ahmed, Dr.R.**Raja Prabu** ,"Design of Low Wind speed Horizontal axis Wind Power Generator," Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),11-12 April 2015.
- 2) Suresh Kumar.R,**Dr.K.N.Srinivas Prof & Head/EEE**," Analysis of In- Wheel switched Reluctance Motor," Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp10,11-12 April 2015.
- 3) R.Shanthini, **Dr.K.Boopathy Assoc Prof/EEE**,"Speed Control and Power Factor Correction using Bridgeless Buck boost Converter for Bldc Motor Drive",Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp10,11-12 April 2015.
- 4) Fida MariyanC.P,"**Belwin J Brearly AP(Sr.G)/EEE**," Field Oriented Control of Permanent Magnet Synchronous Motor" ,Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp 8,11-12 April 2015.
- 5) Aswathy R, **V.Selvi AP/EEE** ,"Enhancing power system stability of wind farm equipped with permanent magnet synchronous generator using back to back converter ,"International Conference on Advances in Applied Engineering and Technology, Syed Ammal Engineering College, Chennai, pp 1-6,2015.
- 6) M.Divya , **V.Selvi AP/EEE** ,"Optimal Placement and sizing of FACTS Device in a Wind Farm",International Conference on Advances in Applied Engineering and Technology, Syed Ammal Engineering College, Chennai, pp 1-6,14 -16May 2015.
- 7) Praveen Kumar.K,**Kavitha.G AP/EEE**," High Step UP Push pull Converter with planar UP Push Pull Converter with planar Transformer for PV Inverter ,"Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp 9,11-12 April 2015.
- 8) Javid Ahamed S,MahendrianC R,**Ram Kumar M**,"A Novel Control topology of Quasi ZSI based PV systems," Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp 8,11-12 April 2015.
- 9) Sridhar .M.,**Sarmila Har Beagam.K**," Thermoelectric Battery charges with MPPT for low Power application, "Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp 10,11-12 April 2015.

- 10) Thiviamoorthy.S,**Bharanigha.V AP/EEE,**"PV panel with coupled Inductor Double Boost (CIDBI) DC-AC inverter ,"Second International Conference on Contemporary Challenges in Engineering and Management(ICCCEM 2k15),pp11,11-12 April 2015.
- 11) Nandhivarman .U, **S.Suresh AP/EEE,**" Hybrid Solar Wave Power Generation Using Direct Drive Linear Generator", Second International Conference On Contemporary Challenges In Engineering And Management ,ARM College of Engg & Technology, Chennai, pp 1-4,10,11 and 12 April 2015.
- 12) Vidhya, **Dr.K.N.Srinivas Prof& Haed/EEE,**"3 D Vibration Analysis of Flux Reversal Generator,"IEEE Second International Conference on Condition assessment Techniques in Electrical systems, Bengaluru, India. Dec 2015.
- 13) B.Vidhya, **Dr.K.N.Srinivas,**"3D Procedure to trace the air path inside a reversal Generator for Mechanical Characterize,"IEEE Conference on Industrial and Commercial Power system /Petroleum Chemical Industrial ConferencelCPSPCIC2015, Nov 2015.

NATIONAL CONFERENCE

- 1) Fahadh Riyaz,**Dr.R.Jayashree Prof/EEE,K.Sharmila Har Baegam AP/EEE,**"Optimal Power Flow Using Genetic Algorithm," II Natioanl Conference on Innovative &Emerging Trends in Engg and Tecghnology(NCIETET'15),Panimalar Institute of technology,Chennai,pp 56-61,14 May 2015.
- 2) Divya M, **V.Selvi AP/EEE,**"Enhancement of Voltage stability using facts device (STATCOM) in wind farm ,"National conference on recent trends in power , control, Networking, embedded & communication engineering, Karpaga Vinayaga College of Engineering & technology,pp 1-6,26-Mar-15.
- 3) Aswathy R , **V.Selvi AP/EEE,**" Enhancing stability of wind farm equipped with permanent magnet synchronous generator," National conference on recent trends in power , control, Networking, embedded & communication Engineering, Karpaga Vinayaga College of Engineering & technology, pp12,26-Mar-15.
- 4) Shaik Mahujun S,**Dr.R. Jayashree Prof/EEE, S.Jennathu Beevi P(sr.G)/EEE,**"Genetic Algorithm based load frequency control for two area interconnected power system ,"II National Conference on Innovative &Emerging Trends in Engg and Tecghnology(NCIETET'15),Panimalar Institute of technology,Chennai.,pp 61,14-May-15
- 5) Mohamed Rizwan H, **Md Shuaib AP(SI.G)/EEE,**"A Bat-Inspired search algorithm for loss minimization in radial distribution network, "First National Conference oo Innovative &Emerging Trends in Engg and Tecghnology(NCIETET'15),Panimalar Institute of technology, Chennai, pp 62,14-May-15.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

a) RANGE b) AVERAGE c) h-INDEX d) NO. IN SCOPUS

(a) Range	:	SNIP (0.108 – 1.539)
		IF (0.367 – 2.737)
(b) Average	:	IF (0.9927) SNIP (0.3613)
(c) h-Index	:	03

SPONSORED RESEARCH (ONGOING / APPLIED)

S. No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs in Lakhs)	Status
1.	Dr. K. N. SRINIVAS (Principal Investigator) Mr. M. RAMKUMAR (Co-investigator)	CVRDE (DRDO)	Vibration and computational flow assisted Thermal Analyses and Design Validation through prototyping in Electric machines used for Vehicle Applications using Finite element Technology	19.56	Applied

SPECIAL RESEARCH LABORATORIES CREATED

- Department of EEE established an “Industrial Automation & Devices Lab” worth of Rs. 4.5 Lakhs during January 2016. The lab established for the benefit of students (both UG & PG) and research scholars to pursue their project / research work in PLC Automation and SCADA.



- Mr. Athbel Joe, AP/EEE established a “Digital Library” in the Department Library for utilizing the Open Access Journals, NPTEL materials from online lectures through IITs, NIT, Anna University etc.

PATENTS (OBTAINED / APPLIED)

Patent Applied:

Name of the Faculty	:	Dr. R. RAJA PRABU, Professor / EEE
Project titled	:	<i>Silicone / EPDM Polymeric blend compound for outdoor insulators</i>
Application No.	:	3029 / CHE / 2015
Ref. No.	:	E-2 / 1713/2015 – CHE IPR / Patent / Chennai

ACHIEVEMENTS OF STAFF

- Dr. K.N.Srinivas, Prof &HOD/EEE, Dr.R.Raja Prabu, Prof/EEE & Dean (AR) went to New Delhi for appeal against non accreditation of M.Tech (PSE) and got accredited for the same for 2 years.
- Mr. Y. Mohamed Shuaib, AP(Sel.Gr.)/EEE has successfully completed his Ph.D. Viva Voce Examination on 21st November 2015 at Jawaharlal Nehru Technological University, Hyderabad. His research title “Analysis of Radial Distribution System for Loss Minimization using Artificial Intelligence Techniques”, under the guidance of Dr. M. Suryakalavathi, Professor, Department of EEE, JNTU College of Engineering, Hyderabad.

ACHIEVEMENTS OF STUDENTS

- The third year EEE students attended 30 days Industrial Internship in various industries such as Pals –IITM, Andrew Yule Ltd-Perungudi, TNPL, BHEL, Airport Authority of India etc.,
- Placement: 19 B.Tech (EEE), 6 M.Tech (PSE) and 2 M.Tech (PED) for the 2015 batch was placed in IT and Core companies.

INDUSTRY / INSTITUTE COLLABORATION

- The third year EEE students attended 30 days Industrial Internship in various industries such as Pals –IITM, Andrew Yule Ltd.,Perungudi, TNPL, BHEL, Airport Authority of India etc.,
- Organized Industrial Institute meet at the Department on 10th October 2015, in which chief executives of leading companies such as VI Microsystem, ANSYS, Siemens, Andrew Yule, Denetim Automation, Apollo tyres, Pantech Solutions Pvt. Ltd., etc. attended the meeting.

SOCIETY ACTIVITIES

The society of Electrical Engineers was inaugurated on 11.08.2015. Mr. Praveen sekhar from Vancouver university delivered a lecture on “Micro Mechanical Systems - Recent Trends”. Competition for the events like project Display, Circuit Cracking, Crack D code, Paper Presentation etc .,was conducted for the EEE students of BSAU in connection with the inauguration.



EXTENSION ACTIVITY CONDUCTED

- Dr.K.N.Srinivas, HOD/EEE delivered a guest lecture on “ Special Electrical Machines” in Velammal Engineering College on 7.7.2015.
- Dr.K.N.Srinivas, HOD/EEE delivered a guest lecture on “ Recent trends in Converters” at Karpaga Vinayaga Mission on 8.4.2015
- Mrs. V.Bharanigha AP/EEE and Mr.Athbel Joe AP/EEE organised a two days Industrial visit to Kel & Keltron, Cochin for M.Tech (PSE &PED-II year) during March 2015.
- Mrs. Nisha. K – AP/EEE organized Industrial Visit to Andrew Yule Company for third year EEE students on 16.4.15.
- Dr. Y. Mohammed Shuaib AP (Sel.Grade) delivered a guest lecture on load frequency modeling at Shri Prince Padmavathy Engineering college, Ponmar, Chennai on 15.6.2015.
- The EEE department actively participated in the Open House Exhibition organized by BSAU during 16th and 17th October 2015. In the open house exhibition Students from B.Tech (EEE), M.Tech (PSE) and M.Tech (PED) have displayed the project model(s) prepared by them and the entire 24 EEE faculty contributed in the project preparation and organization. Around 25 different projects covering various aspects of electrical and electronics engineering were kept on display and were demonstrated to the visitors. Various school students in and around Chennai visited the Exhibition. Dr. K.Boopathy Assoc. Prof/EEE and Mr. M.Ramkumar, AP/EEE Co-ordinated the department stall at the Technical Exhibition conducted
- Dr.K.Boopathy, Assoc. Prof/EEE organized placement awareness program for final year students on 13.8.2015.
- Dr.K.Boopathy, Assoc. Prof/EEE organized YRC program on 30.12.2015.

**DEPARTMENT OF
ELECTRONICS & COMMUNICATION
ENGINEERING**

ELECTRONICS & COMMUNICATION ENGINEERING

TRAINING PROGRAMMES OFFERED

NATIONAL INSTRUMENTS has supported ECE department for developing a "Competency Development Program Lab" and train 30 students every year which leads to CLAD certification, internship and placement. 9 teachers are also undergoing training who in turn train the next batch students. The training consists of 4 semesters training on NI products (both software and hardware) and 2 semester project.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- NCRVIC 2015 – was conducted on 23 and 24th April 2015
- FDP on Design, fabrication and testing of Antennas on 13,14,15-05.15
- National level FDP on Design, Simulation, Fabrication and Testing of Microstrip Antenna on 11th to 15th May 2015
- One day work shop on “Pre placement talk on Placement Opportunities” on 17th & 18th May 2015
- One day Didactic Seminar on OrCAD PSPICE and PCB on 26.06.15 by Entuple technologies
- ORCAD PSPICE One day workshop on 20.10.15
- One day workshop on "Recent Research Techniques in Wireless Communication and Networks" February 8 & 9, 2016

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

National Conference:

1. V.Kokila , B.Aruna Jeeva Bharathi ” Fragmented Spectrum Allocation in Cognitive Radio Networks for Energy Efficiency and Improved Throughput” National Conference on Recent trends in Information Technology, 28/3 / 2015.
2. Sai Lalith Rohit ,R.Anitha ” Simulation of Quantum circuits using QCAD” National Conference on Research in Electronics Engineering and Communication Techniques-REACT,27/3/2015.
3. C.Sonia Priya , A.Sumathi ” Enhanced opportunistic transmission using DSTC with amplify and forward relay” National Conference on Recent trends in VLSI, Information and Communication,23/4/2015.
4. B.Sree Devi ,B.Aruna Jeeva Bharathi” Optimization of resource allocation in the single /cell cognitive radio network” National Conference on Recent Trends in Information Technology, 28/3/2015.

5. A.M.Villavan, A.Ramesh Kumar, "Design and fabrication of high gain microstrip patch array antennas for Wimax applications at 5.5ghz" National Conference on Recent trends in VLSI, Information and Communication, 23/4/2015.
6. Elankumaran K, Dr.P.K.Jawahar" Implementation Of Geo-Locational Safety Identification System In Automotives" National Conference on Recent trends in VLSI, Information and Communication, 24/4/ 2015.
7. Mohanraj.S, Mrs. Anuradha" Design Of Maximum Power Point Tracking Based Converters For Standalone Embedded Devices" Design Of Maximum Power Point Tracking Based Converters For Standalone Embedded Devices, 24/4/ 2015.
8. NasrinBanu.S, Mrs.Syed Rafiammal" Controlling Of Prosthetic Arms By EEG Signals Using Wavelet Csp Algorithm" IJECE/National Conference ,27/2/2015.
9. Suhail Ahmed.A, Mrs.S.Anusooya" Design Of A Step down Switched Capacitor Converter For Subthreshold Applications", National Conference on Research in Electronics Engineering and Communication Techniques-REACT.

International Conference:

1. Salai Thillai Thilagam.J , Jawahar P.K, Manikandan.R "Optimized Octagonal Shaped Antenna using Split Ring Design and Analysis for Wireless Communication Applications, 3rd International Conference on Signal Processing, Communication and Networking (ICSCN),27/3/2015.
2. K.Anudeep&B.Sivashanmugavalli " CPW feed circular monopole ultra wideband antenna with triple based notch characteristics using a split ring resonator" International Conference on Science and Innovative Engineering,5/4/2015.
3. K.M.Ayesha , A.Sumathi " An Improved of MIMO-OFDM channel estimation using chaotic pilot sequence" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19 /3/ 2015.
4. G.Asha Jyothi ,A.Ambika" Design of RF Low Noise Amplifier for L-band Application" International Conference on Science and Innovative Engineering, 5/4/ 2015.
5. G.Hena Mercy Sugirtham ,S.Kalaivani" An efficient clustering algorithm for spatially correlated local and global sensor network" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
6. A.Hussain , H.HasanBabu" Automated diabetic retinopathy using Naive Bayes Classifier and SVM classifier" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
7. J.Jayastree, SadhishPrabhu.S" Design of Multiband Antenna in the Presence of Mobile Phone handsets" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.

8. M.Mahamutha , A.Ambika" Microstrip line based RF Mixer design for GSM 900 MHz Band" International Journal of Emerging technology in computer science and electronics, March 2015.
9. M.Mayuri ,B.Vijayalakshmi" Bio-medical data transmission using visible light communication" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
10. I.Nancy ,R.Iniyavan" Normalized Adaptive Channel equalizer for BPSK,QPSK & QAM Modulation "International Conference on advances in Emerging Technology, March 2015.
11. V.Pratheeba ,ParnesreeChakraborty" Design of compression algorithm for multidimensional signals in WSN"IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
- 2.K.Ramya Kumar , V.Kavitha" Enhancement of network lifetime using Modified general self-organized tree based energy balance routing protocol for wireless sensor network" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
13. P.Ramya ,ParnesreeChakraborty" Analysis of EEG for Alzheimer disease" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
14. S.Sathish ,A.Ayshathul Fouzia" A Multiband coupled fed antenna for mobile handset" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
15. B.Shalini , R. Mahalakshmi" Energy based Ad-hoc on-demand single & multipath routing for energy and overhead optimization" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
16. Sharmila , Padma Usha," Brain Image Fusion via graph cut algorithm" International Conference on advances in Emerging Technology, March 2015.
17. K.Sheela Vasantha Kumari ,A.Priya" Design and Fabrication of Miniature Microstrip Antenna for UWB Application" International Conference on Communication, Computing and Power Technologies, 22nd and 23rd April 2015.
18. S.Shyamala ,C.Tharini" Design of Data aggregation algorithm using Joint Network-Channel Coding for wireless sensor network" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
19. S.Subhashini , S.SadhishPrabhu" Design of dual band 1x2 microstrip patch antenna array for GPS receivers" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.
20. S.Vidhya , C.Tharini" An Efficient Compressed sensing codec design for WSN" IEEE International Conference on Innovations in Information, Embedded and Communication System, 19/3/ 2015.

21. Achanta Venkata Lakshmi Sowmya, Dr.Mohammed Ismail.M " Sficant-Reconfiguration & Implementation Of CAN Networks For Automobile Applications"*International Journal of Applied Engineering Research (IJAER/ICETS)*,5/3/2015.
22. Devineni Spavithra, Mr.Senthil Rajan" Design And Simulation Of Phase Locked Loops With Low Phase Noise In CMOS 180nm Technology" "*International Journal of Applied Engineering Research (IJAER/ICETS)*,5/3/2015.
23. Mohammed Harris S ,Mr.Bibin Sam Paul" Design Of Class-E Switched Mode Power Amplifier For Wimax Application" International Conference on Emerging Trends in Engineering Research(ICETER'15),24/3/2015.
24. Naveen Kumar B ,Mrs.V.JeanShilpa" Design Of Double-Balanced Down Conversion Radio Frequency Mixer In Distributed Topology Using 0.18 μ mtechnology" ICSIE/International Confernce,5/4/2015.
25. NitishDas ,Mr.V.SenthilRajan" An Algorithm For Simultaneous Detection Of Constant Length And Non-Overlap Binary Sequences" IEEE Conference,27/3/2015.
26. Patan Aleem Khan, Ms.V.Jean Shilpa" Adaptive Fir Filer With Low Adaption Area & Delay Using Truncation Method" ICSTM-15/International Conference,15/3/2015.
27. Rajesh K ,Mrs.Arulvani.M" Design Optimization Technique Of 6t Sram Cell Using Cmos." ICSIE/International Conference,5/4/2015.
28. Singaraju Madhavi Lakshmi ,Ms.V.Jean Shilpa" High Speed Matrix Multipliers"*International Journal of Applied Engineering Research (IJAER/ICETS)*,5/3/2015.
29. Vahithabanu.A ,Mr.J.Anand" An Effective Building Monitoring System Using An Intelligent Wireless Sensor Network" ICSIE/International Conference,5/4/2015.
30. VaralakshmiP, Dr.S.Kaja Mohideen" An Intelligent Brain Computer Interface Based Smart Home Control System For Physically Challenged" ICETER/International Conference,24/4/2015.
31. VidhyaK ,Dr.Mohammedl smail.M," Implementation Of Wireless Wearable Sensors For Healthcare Solutions"*International Journal of Applied Engineering Research (IJAER/ICETS)*,5/3/2015.
32. JeevaRathinam, Mrs.M.Arulvani" Improving Performance Of Cmos V-I Converter" ICSIE/International Conference,5/4/2015.
33. S.Kalaivani, Dr.C.Tharini" Efficient Data Compression Technique Using Modified Adaptive Rice Golomb Coding for Wireless Sensor Network" International Conference on Technological convergence for Information, Health, Food and Energy Security (TCIFES 2015) at CLRI, Chennai, May 2015.
34. S.Kalaivani, I.Shahnaz, Shaikh Rizwana Shirin, C.Tharini" Real time ECG acquisition and detection of Anomalies "International Conference on Power, Circuit and Information Technologies (ICPCIT 2015), at Velammal College of Engineering, Chennai, April 2015.

35. S.Kalaivani, I.Shahnaz, Shaikh Rizwana Shirin, C.Tharini” Processing of ECG Signal for the Detection of Diabetic CAN“ International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (ICDB 2015), at BSAU, Chennai, March 2015.

36. Salai ThillaiThilagam.J, Manikandan.R, Dr.P .K.Jawahar” Optimized Octagonal Shaped Antenna using Split Ring Design and Analysis for Wireless Communication Applications”3rd International Conference on Signal Processing, Communication and Networking (ICSCN), 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
9	40	Nil	12	61

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

1. Salai Thillai Thilagam.J , Jawahar P.K, “Experiment Results of the Microstrip Fractal Antenna in Stacked Patch Structure for Wireless Communication” International Journal of Engineering and Technology (IJET) Applications Vol no.7, Issue no. 2, Pg no. 646-658, April-May 2015
2. G. Kannan, T. Sree Renga Raja, “Energy Efficient Distributed Cluster Head Scheduling Scheme For Two Tiered Wireless Sensor Network” Egyptian Informatics Journal (Elsevier) Vol no.16, Issue no.2 , Pg no. 161-174, July 2015
3. Sharmila & Padma Usha” Brain Image Fusion via graph cut algorithm” International Journal of Emerging technology in computer science and electronics Vol no.13, Issue no.4 , March 2015
4. Mohamed Thameez R , Mr.G.Kannan. “Design And Implementation Of Smart Sensor Interface For Herbal Monitoring In IoT Environment” International Journal of Engineering Research (IJER) Vol no.3, Issue no.2 pg. 469-475 , 25th April 2015
5. K. Sheela vasantha kumari, A.Priya, Dr. S. Kaja Mohideen , “Design of Printed Circular Slot Antenna with Enhanced Bandwidth for UWB Applications” International Journal of Applied Engineering Research, Vol. no.10, Issue no.44 pg. 311184- 31187, July 2015.
6. Parthiban , Dr.M.Mohamed Ismail “Compact UWB Co-axial Fed Low Expensive Microstrip Antenna for WLAN Applications” International journal of Engineering Research and Technology (IJERT), Vol no.4, Issue no. 11, Pg no. 353-357, Nov 2015
7. P.Ramya , Parnesree Chakraborty, “Analysis of Electroencephalography (EEG) for Alzheimer’s Disease”, International Journal of Applied Engineering Research, Vol. 10 No.20 (2015) 16286-16290 July 2015
8. S.Vidhya , C.Tharini An Efficient Compressed Sensing Codec Design For Wireless Sensor Network International Journal of Applied Engineering Research Vol. 10 No.20 (2015) 17293-17297 July 2015

9. V.Pratheeba , Parnesree Chakraborty,"Design of compression algorithm for multidimensional signals in wsn" International Journal of Applied Engineering Research, Vol. 10 No.20, 18900-18904 July 2015
10. R.Anitha Sai Lalith Simulation of quantum circuits using QCAD International Journal of Applied Engineering Research vol. 10 no.26 21596-21600 MAY 2015
11. Mrs.S.Anusooya Suhail Ahmed.A, Dr.P.K.Jawahar "Design Of Step down Switched Capacitor Converter For Subthreshold Applications", International Journal of Applied Engineering Research, vol. 10 no.26 21623-21626 MAY 2015
12. Shaffi.M, Anusooya.S "Design Of A Wallace Tree Multiplier Architecture With Adaptive Hold Logic International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 783-788 MAY 2015

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

- a) RANGE : 0.1 to 1.5
- b) AVERAGE : 0.5
- c) h-INDEX : 0.4
- d) NO. IN SCOPUS :14

SPONSORED RESEARCH (ONGOING / APPLIED)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr.C.Tharini Co- PI: 1. Dr.D.Najumnissa jamal, Prof & Head E&I Dept., 2. Ms.S Kalaivani	DST	Smart cardio vascular Disease Screening Kit For Diabetes Mellitus Patients In Rural Areas Of Chennai	21lakhs	Applied

ACHIEVEMENTS OF STAFF:

- Dr.P.K.Jawahar, Professor & Head/ECE established "NI-BSAU Competency Development lab" with the support of National Instruments, Bangalore as a part of MoU.
- Dr. C.Tharini, Professor/ECE have initiated the proposal for the establishment of Continuous Ambient Air Quality Monitoring station in our University Campus.
- Dr.M.Mohamed Ismail, Professor/ECE have interacted with M/s.Jasmin Infotech,Chennai one of core industries for ECE on signal processing, due to which the department has signed an MoU for training, internship and placement.

ACHIEVEMENTS OF STUDENTS:

STUDENTS ACHIEVEMENTS FOR THE YEAR 2015_16		
Sl.No.	Name of the students	Name of the Event
1	Sariga S.	Winners of NRC India - India's Biggest Robotics Championship Grand Finale in March 2016 at IIT Madras
2	Ragul M.	
3	Praneni V.	
4	Samayapoorani J.	
5	Siddhanth Dharmadheeran	Winner in the Grand Finale of ICTACT Youth Present 2015.
6	Siddhanth Dharmadheeran	Winner of Regional Finale has secured I Place in the Regional Final - Chennai of ICTACT Youth Present 2015.
7	Siddhanth Dharmadheeran	Winners of Dhoni '15 - Demanding Hero for an organization with Novel Intelligence - Best Stage Campaign Presentation
8	Mohammed Faheem Nistar	
9	Roshni Rajavadivelu	
10	Siddhanth Dharmadheeran	Winner - National Pre Finals of ICTACT YOUTH PRESENT 2015
11	Siddhanth Dharmadheeran	Participated in the Regional Finale - Chennai of ICTACT YOUTH PRESENT 2015.
12	Amarnath R.	Undergone Inplant Training at Heavy Vehicles Factory, Avadi, Chennai - 54.
13	Ahilan Tamilselvan	Awarded in Oral and Technical Presentation, Recognition and Appreciation of Research Contributions to ICAES 2015 - 17th International Conference on Aerospace and Electronic Systems - awarded by World Academy, Kuala Lumpur, Malaysia.
14	Shanaz I.	Won 2nd prize in International Conference on Recent Discoveries of Diabetic Biomarkers and Challenges
15	Sreenivasan J.	Attended training programme on Bosch Diesel and Gasoline Engine management with Vehicle Diagnosis.
16	Naveen C.	
17	Shanmuga Raj R.	
18	Mohamed Ali Jihan R.	
19	Mohammed Faheem Nistar	Won "Fresh Face Chennai 2015" conducted by Times of India
20	Pranav S.	Winners in the Texas Instruments India Analog Maker Competition 2014
21	Rajaraman G.	
22	Rajkumar D.	
23	Rohit Kumar S.	

GUEST LECTURE ACTIVITIES:

Sl. No	Visitors	Date	Activity
1.	Dr.Praveen Sekhar AP, Washington State University	24.7.15	Guest Lecture on Introduction to nano technology , Fundamentals and current trends
2.	Mr.Sathish Kumar , Deputy Director, MSME, Govt. of India	14.8.15	Society Inauguration Key note address
3.	Dr.R.G.Sangeetha , Associate Professor, VIT University , Chennai	04.09.15	Guest lecture on Optical Switching and Networks
4.	Mr.Solaikutty Dhanabal , Country Head , Academic Programs National Instruments , Bangalore	10.09.15	NI academy Competence Development program
5.	Mr.K.Chattanya , BDM, Europe Study Center, Chennai	12.09.15	General awareness towards higher education in European countries
6.	Mr.Manoj Kumar, Mr.K.D.Shantha Krishnan , HCL technologies	20.10.15	One day workshop on ORCAD PSPICE
7.	Mr.Jeyasingh Pathrose, Chief operating officer Mr.Kannan. Program Manager , Jasmine Infotech, Pvt, ltd.	30.10.15	Guest lecture on Emerging technologies in DSP
8.	Dr. Kevin Paulson, Senior Lecturer, School of Engineering, University of Hull, UK	04-03-16	Lecture on "Climatic changes and Microwave communication"

INDUSTRY / INSTITUTE COLLABORATION:

i) In Association with National Instruments, Bangalore, "NI-BSAU Competency Development Lab" is established and 33 students from II year and 7 faculty members are undergoing training on Labview, and NI related products.

ii) Jasmin Infotech, Chennai has agreed to offer internship for students and faculty members during the coming summer vacation.

SOCIETY ACTIVITIES

Club Activities on 6th November 2015

The BQUCE (Quiz), ECE got talent and Hobby electronics club activities were held on 6th November 2015 to uplift the hidden talents of the students.



MoUs SIGNED

MoU with M/s.Jasmin Infotech, Chennai on 04-02-2016.

MoU with National Instruments, Bangalore on 17.02.2016



IMPORTANT VISITORS

1. Mr. S.Swaminathan, Keysight Technologies, (Agilent) Chennai
2. Mr.AnanthPidathala, Manager, Switch Head , Tata Communication , Karnataka
3. Mr.T.Soundarapandian , Scientist, F Head / Fire Control, System , CVRDE_ DRDO, Avadi
4. Dr.Praveen Sekhar AP, Washington State University
5. Mr.Sathish Kumar, Deputy Director, MSME Govt. of India
6. Dr.R.G.Sangeetha, Associate Professor, VIT University, Chennai
7. Mr.K.Chattanya, BDM, Europe Study Center, Chennai
8. Mr.Manoj Kumar and Mr.K.P.Shantha Krishnan, HCL Technologies
9. Mr.JeyasingParthrose , COO and Mr.Kannan, Program Manager, Jasmine Infotech, Pvt. Ltd
10. Mr.E.Arun Kumar and Mr.Satheesh Kumar, RETECH Solutions, Pvt. Ltd
11. Mr.V.Thiyagarajan, Former GM, ECIL, Chennai.
12. Dr. Kevin Paulson, University of Hull, UK

**DEPARTMENT OF
ELECTRONICS & INSTRUMENTATION
ENGINEERING**

ELECTRONICS AND INSTRUMENTATION ENGINEERING


VALUE ADDED PROGRAMMES STARTED:

The Second Batch of the Certificate programme on “Industrial Automation” was started on 1.3.16.

TRAINING PROGRAMMES OFFERED:

- A training program on “Honing Interview Skills” for benefit of III yr EIE students was organized on 19.3.15 and 19.9.15. Mrs. D. Mehernissa, HOD / Career development centre, SRM University, Ramapuram Campus, Chennai - 89 was the resource person.
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- Conducted one day hands on training in “Matlab and its applications” on 19.9.15
 - Conducted one day hands on training in “Matlab and its applications” on 5.9.15.
 - Conducted one day hands on training in ”PSPICE and its application to circuit design on 12.3.16
 - Conducted two days workshop on “Embedded Systems and its application to Instrumentation” on 15.6.16 and 16.3.16. Mr.S.Selvaradji , SS Technologies was the resource person.

GUEST LECTURE CONDUCTED

- Organized a Guest Lecture on Power Plant Instrumentation for the benefit of all EIE students on 18.2.16. The resource person was Mrs. Ayesha Jamal, Senior Application Engineer, Schneider Electric, Chennai”
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- Organised a lecture on Industrial Automation on 23.2.16. The Resource person was Mr. S.Arun Kumar, Engineer, Technocrat Automation Pvt Ltd, Chennai
 - Organised a lecture on Automation and control for Industrial applications on 11.3.16. The Resource person was Mr. Mazharuddin Mohamed Shaik, Engineer, Prolific Automation Pvt Ltd, Chennai
 - Mr.P.Murugan, superintending Engineer, M.N.Dasthur and Co Pvt Ltd., delivered a lecture on “Scope of Instrumentation Engineers in Core Industries” on 19.3.16

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Dr. U.Sabura Banu, Prof./EIE participated in the workshop on "Women Academic Managers: Challenges and Approaches" held on 29th April 2015 at B.S. Abdur Rahman University organized by the Women Empowerment Cell.
- Mr. Vamsi Krishna Muvvala, AP/EIE attended the Faculty development programme on "Linear Integrated Circuits" organized by StarCom Information technology and Texas Instruments at Easwari Engg. College, Chennai on 22.6.15 & 23.6.15
- Dr. U. Sabura Banu, Prof./EIE and Mr. Vamsi Krishna Muvvala, AP/EIE attended Didactic seminar on CADENCE Or CAD PSPICE & OrCAD PCB organized by Electronics and Communication Engineering, B.S.Abdur Rahman University, Vandalur, Chennai - 48 and Entuple technologies on 26th June 2015
- Dr. U.Sabura Banu, Prof./EIE attended a complementary seminar on Matlab and Simulink for Engineering Education conducted by National Instruments on 8th July 2015 at Le Royal Meridian Chennai
- Dr. U.Sabura Banu, Prof./EIE participated in Faculty Development Program on Integrated Electronic Circuits Education using NI platform on Integrated Electronics Circuits Education using NI platform at Dhanalakshmi College of Engineering, Chennai from 20th to 22nd July 2015 conducted by DCE, Chennai in association with ICT Academy of Tamilnadu and National Instruments
- Dr. U. Sabura Banu, Prof. /EIE, Ms.G. Anidha, AP (Sr.Grade)/EIE, Ms.P.R.Hemavathy AP(Sr.Grade)/EIE and Mr.N.Sivaramakrishnan, AP/EIE attended a workshop of "Role of mathematics in Bio modeling" conducted by department of mathematics BSAU on 1.8.15
- Dr. D.Najumnissa Jamal Prof / EIE, attended International workshop on seizure prediction (IWSP7) held at University of Melbourne, Australia during 3rd to 6th August, 2015
- Ms.P.Anbu malar, AP/EIE attended two days workshop on "Work shop on wavelets for image processing"-from 6.8.15 to 7.8.15 organised by IEEE communication society-ieee madras section
- Ms.P.R.Hemavathy AP(Sr.Grade)/EIE and Mr. J. Lakshmana Prabu JRF/EIE attended a workshop 'softcomputing techniques "from 28.8.15 to 30.8.15 organized by Department of computer technology at Madras Institute of Technology , Chennai.
- Mr.V.Vamsi Krishana Muvvala, Asst.professor /EIE attend the one day workshop organized by the school of Social sciences and Humanities on 28.10.2015.

- Dr. U. Sabura Banu, Prof./EIE participated in the Executive Colloquium on "Initiatives on Strategic skill Development" on 26th November 2015 at Hilton Hotel, Guindy, Chennai.
- Dr. U. Sabura Banu, Prof./EIE participated in the Masterclass event in TIECON 2015 on 31st October 2015.
- Dr. U. Sabura Banu, Prof./EIE attended the Interactive session with Prof. Kevin D. Jones, Executive Dean, Science & Engineering, Plymouth University on December 15th, 2015
- Dr. U. Sabura Banu, Prof./EIE attended the Introductory meeting for the Establishment of Continuous Air Quality Monitoring Stations (CAAQMS) on 16th December 2015 in TNPCB, Guindy, Chennai - 32.
- Ms .P. R. Hemavathy AP(Sr.Grade)/EIE attend the two day National workshop on "Advanced Computing for control and optimization" organized by school of Electrical Engineering (SELECT), VIT University, Vellore, on 8-9 January 2016.
- Dr. D.Najumnissa Jamal Prof & Head /EIE, Dr. U. Sabura BanuP,EIE and M.S.Murshitha Shajahan, AP(SG) attended a workshop titled GIFT YOURSELF organized by Women Empowerment Cell on 18.1.16
- Dr. D.Najumnissa Jamal Prof & Head /EIE, M.S.Murshitha Shajahan, AP(SG) and Ms.G.Anitha, AP(SG) attended a workshop on Correlation of PEO and PO organized by the University on 3.2.16
- Dr. D.Najumnissa Jamal Prof & Head /EIE, and M.S.Murshitha Shajahan, AP(SG) attended a workshop on Apple Professional Development organized by BSAU – Apple iOS application development centre in association with Apple Inc. on 6.2.16

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
8	14	2	6	30

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

Paper Presented at International / National Conference:

- Aparna,D. Najumnissa Jamal, B. Pushpa," Application of Chaos Theory and SVM to Seizure Detection of Epilepsy " ,National Conference on Recent Trends in Instrumentation and Automation, Department of E&I, Vellammal Engineering College, Chennai", April 2015
- G. Janani,P. Anbumalar," Artificial Neural Network and ANFIS observer for heat exchanger" National Conference on Recent Trends in Instrumentation and Automation, Department of E&I, Vellammal Engineering College, Chennai, April 2015
- M.Priyadharshini,G. Anidha," Analysis of Anterior and Posterior Eye Segment in Age related Macular Degeneration", National Conference on Recent Trends In Instrumentation and Automation, Department of E&I, Vellammal Engineering College, Chennai, April 2015
- S. Archana, B. Pushpa,' Application of Surface Electromyography in Assessing the Muscle Movement Pattern using Wavelet Packet Entropy", National Conference on Recent Trends In Instrumentation and Automation, Department of E&I, Vellammal Engineering College, Chennai, April 2015.
- P. Abitha,M.S. Murshitha Shajahan," Design of Static Decoupler for Co-ordinated control of Boiler Turbine Unit" National Conference on Recent Trends In Instrumentation and Automation, Department of E&I, Vellammal Engineering College, Chennai, April 2015
- Karthick D, U. Sabura Banu, S.K. Lakshmanaprabu, "Centralized PI controller optimized using Particle Swarm Intelligence for two Interacting conical tank process",National Conference on Recent Trends In Instrumentation and Control (RTIC-2013), Department of Instrumentation Engineering Madras Institute of Technology, 13 - 14thMarch, 2015, pp. 54-59.
- M. Suganya, Susai Mary, U. Sabura Banu, "Dynamic Matrix control for DC servo motor in CNC machine", National Conference on Recent Trends In Instrumentation and Control (RTIC-2013), Department of Instrumentation Engineering Madras Institute of Technology, 13 - 14th March, 2015, pp.126-130
- S.Shahul Hamid, D.Najumnissa Jamal, M.S. Murshitha Shajahan "Detection and Classification of Boiler Tube Leakage System using Intelligent techniques", TEQIP sponsored National Conference on Instrumentation Systems, Measurement and Automation (CISMA-2015),organized by the EIE department, Pondicherry University on 8.1.16.
- S.Shahul Hamid, D.Najumnissa Jamal, M.S. Murshitha Shajahan," Automatic detection and Analysis of Boiler Tube Leakage System using Adaptive Neuro Fuzzy Inference System", International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, August 2015.

- P.R.Hemavathy, U.Sabura Banu, Saranya,” State feedback controller with fractional integrator for a two interacting tank process”, International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai , August 2015.
- N.Sivaramakrishnan,U.Sabura Banu, J.Lakshmana Prabu,” Design of Linear Quadratic controller for Quasi Z source inverter”, International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, August 2015.
- G. Anidha, U.Sabura Banu, Uwise Ahmed, “Analyzing choroidal Neovascularization through characterization of changes in posterior eye segment”, International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, August 2015.
- U. Sabura Banu, Lakshmanprabu S.K,” Multivariable centralized fractional order PID controller tuned using harmony search algorithm for two interacting conical tank process” , SAI Intelligent Systems conference (Intellisys)London, United Kingdom November 2015.
- Mangayarkarasi, D. Najumnissa Jamal,” Development of patient assistive tool for detection of patient tool for detection of abnormalities in kidney”, International Conference on Soft Computing in Applied Sciences and Engineering at Noorul Islam University, Kumaracoil, July 2015.
- T. Nagamalar, T.R. Rangaswamy,’ Energy Efficient Cluster based Approach using Controlled Flooding for Data Collection in Wireless Sensor Networks with Multiple Mobile Sink”, Industrial Instrumentation and Control 2015 (ICIC 2015), International Conference, College of Engineering, Pune, May 2015.
- Mohamed Thowfiq Raja, M.P. Nageswari,” Detection and Classification of stroke using texture analysis” International Conference on Emerging Trends in Engineering and Technology, IFERP, May 2015
- C. Bharanitharan,P.R Hemavathy, U. Sabura Banu,” Real time implementation of Fractional order PID controller using Genetic Algorithm based Smith Predictor for Three interacting process” International Conference on Emerging Trends in Engineering Research (ICETER), VELS University, Chennai, April 2015
- D. Najumnissa Jamal,B. Pushpa,Syed Rafiammal,” Feature Selection and Detection of Epileptic Seizure EEG Signals using EMD and PSO”, International conference on Recent Advances in Engineering, Science and Technology, organized by Department of Biomedical Engineering, Noorul Islam University, Kanyakumari”, April 2015.

- Qais Bin Tanweer, U. Sabura Banu, N. Sivaramakrishnan, " Modeling and Control of ISO thermal continuous stirred tank reactor", International Conference on Emerging Trends in Engineering Research (ICETER), VELS University, Chennai ,April 2015
- Priyadharshini.M, Anidha.G, Analysis of Anterior and Posterior Eye Segments in Age Related Macular Degeneration, International conference on Recent discoveries of diabetic biomarkers and challenges ahead (ICDB 2015) on 3rd March, 2015 organized by the School of Life sciences, B.S. Abdur Rahman University.
- G. Anidha, R. Naveen Kumar and U. Sabura Banu, "Classification of Normal, Occult and Classic type Choroidal Neovascularization using Gustafson-Kessel Fuzzy C-means clustering", International conference on Recent discoveries of diabetic biomarkers and challenges ahead (ICDB 2015) on 3rd March, 2015 organized by the School of Life sciences, B.S. Abdur Rahman University.
- G. Anidha, Salman Mohamed Farook. M.F and U. Sabura Banu, "Statistical Feature Extraction Of Diabetic Retinopathy Images Using Image Processing And Classification Using Adaptive Neuro Fuzzy Inference System", International conference on Recent discoveries of diabetic biomarkers and challenges ahead (ICDB 2015) on 3rd March, 2015 organized by the School of Life sciences, B.S. Abdur Rahman University.

NATIONAL JOURNALS

- T. Mangayarkarasi , D. Najumnissa Jamal," Development of Patient Assistive Tool for Detection of Abnormalities in Kidney", Indian Journal of Science and Technology, Vol 8(24), IPL0324, September 2015, ISSN (Print) : 0974-6846
- M. Ramamoorthy, U. Sabura Banu , " Video Enhancement and Surveillance System by using Partial Wavelet Algorithm", Journal Of Theoretical And Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), September 2015

INTERNATIONAL JOURNALS

- U. Sabura Banu, Abdul Wahid Nasir," Design, Analysis and Performance Evaluation of Fractional order Proportional Integral Controller for Three Interacting Tank Process in Frequency Domain considered as Third Order System", **International Federation of Automatic Control IFAC-Papers OnLine**, Elsevier, Science Direct, Volume 48, Issue 30, 2015, pages.179-18.
- M. Ramamoorthy, U. Sabura Banu, J. S. Praveen, P. Deepalakshmi, M. Sriram," Efficient Real Time Moving Object Detection with Storage Reduction", **International Journal of Computer Engineering & Technology (IJCET)** Volume 6, Issue 8, Aug 2015, pp. 51-62.
- P. Gnanasekaran, T.R. Rangaswamy," Relative Link and Path Stability based Routing Protocol for Mobile Ad-hoc Networks", **International Journal of**

Applied Engineering Research (ISSN 0973-4562), Vol.10 No. 16 (2015) pp.36602 – 36609.

- M. Ramamoorthy, U. Sabura Banu ,” Video Enhancement and Surveillance System by using Partial Wavelet Algorithm”, Journal Of Theoretical And Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), September 2015
- D. Najumnissa Jamal,B. Pushpa, Syed Rafiammal,” Feature Selection and Detection of Epileptic Seizure EEG Signals using EMD and PSO”, **International Journal of Applied Engineering Research**, ISSN 0973-4562, Vol. 10, No. 59, pp. 339 to 349, June 2015.
- S.K. Lakshmanaprabu, U. Sabura Banu,”Multi-loop Adaptive Internal Model Controller for Two Interacting Conical Tank Process”, **Journal of Instrumentation Technology & Innovation**. 2015; 5(1) pp: 21-31.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

a) RANGE b) AVERAGE c) h-INDEX d) NO. IN SCOPUS

S. No.	Publication Details	Impact factor	H-Index
1	U. Sabura Banu, Abdul Wahid Nasir,” Design, Analysis and Performance Evaluation of Fractional order Proportional Integral Controller for Three Interacting Tank Process in Frequency Domain considered as Third Order System”, International Federation of Automatic Control IFAC-Papers OnLine, Elsevier, Science Direct, Volume 48, Issue 30, 2015, pages.179-18.	0	15
2	M. Ramamoorthy, U. Sabura Banu ,” Video Enhancement and Surveillance System by using Partial Wavelet Algorithm”, Journal Of Theoretical And Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), September 2015	0	9
3	M. Ramamoorthy, U. Sabura Banu, J. S. Praveen, P. Deepalakshmi, M. Sriram,” Efficient Real Time Moving Object Detection with Storage Reduction”, International Journal of Computer Engineering & Technology (IJCET) Volume 6, Issue 8, Aug 2015, pp. 51-62.	0	0
4	D. Najumnissa Jamal,B. Pushpa, Syed Rafiammal,” Feature Selection and Detection of Epileptic Seizure EEG Signals using EMD and PSO”, International Journal of Applied Engineering Research , ISSN 0973-4562, Vol. 10, No. 59, pp. 339 to 349, June 2015	SJR – 0.13	5
5	P. Gnanasekaran, T.R. Rangaswamy,” Relative Link and Path Stability based Routing Protocol for Mobile Ad-hoc Networks”,	SJR – 0.13	5

	International Journal of Applied Engineering Research (ISSN 0973-4562), Vol.10 No. 16 (2015) pp.36602 – 36609.		
6	T. Mangayarkarasi , D. Najumnissa Jamal,” Development of Patient Assistive Tool for Detection of Abnormalities in Kidney”, Indian Journal of Science and Technology, Vol 8(24), IPL0324, September 2015, ISSN (Print) : 0974-6846	SJR – 1.3	18

SPONSORED RESEARCH (ONGOING / APPLIED)

S. No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1	Dr. Pattani Samsudeen Sheikuduman, Professor, Maths Department & Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engg.	Department of Science and Technology, SERB under Extra Mural Research Funding scheme	Risk Factor Analysis Of Heart Diseases Using Mathematical And Intelligent Techniques	10.22	submitted
2	Dr. S. Hemalatha, Dean, School of Life Science & Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engineering	under US-India collaborative project scheme to DBT	Early diagnosis of diabetic retinopathy from retinal and tongue images using advanced image processing and confirmation with molecular biomarkers by non-invasive molecular and biochemical approaches	45.96	submitted
3	Dr. S. Hemalatha, Dean, School of Life Science & Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engineering	Tamilnadu to Science for Equity, Empowerment & Development Division (SEED), Department of Science & Technology	Establishment of Rural Women Technology Park	41.90	submitted

4	Dr. C. Tharini, Prof.,ECE and Dr. D. Najumnissa Jamal, Prof.,EIE	DST under Technology Interventions for Disabled Elderly (TIDE) with Xcellent Care Super Speciality Hospital (P) Ltd	Smart Cardiovascular Disease Screening kit for Diabetes Mellitus Patients in Rural areas of Chennai”	27.16	submitted
5	Mr.S.Shahul Hamid, Visiting Professor Dr.T.R.Rangaswamy, Professor and Dean (Ac) and Dr. D. Najumnissa Jamal, Professor & HOD	Central Power Research Institute, Bangalore	Development of Boiler tube leakage detection system using Intelligent Techniques	13.0	Presented the project on 15.5.15 at Bangalore

BOOK PUBLISHED

A book chapter titled "Closed Loop Simulation of Quadruple Tank Process Using Adaptive Multi-Loop Fractional Order PID Controller Optimized Using Bat Algorithm" is proof-read for publication in the book "Evolutionary Computation Techniques and Applications", **to be published by** Apple Academic Press in February 2016, **Hard ISBN: 9781771883368, E-Book, ISBN: 9781771883375**

PATENTS (OBTAINED / APPLIED):

Applied for patent search for the project titled "Automation of Washing Machine using Programmable Logic Controller" - Dr. U. Sabura Banu, Professor/EIE Department, Jaiyashree S M (110061101012), Preety Choudhary (110061101027) during June 2015

ACHIEVEMENTS OF STAFF

- Dr. T.R. Rangasamy, Prof./EIE & Dean (Academics), Dr. U. Sabura Banu, Prof./EIE and Mr. N.Sivaramakrishnan, AP/EIE got 'Research Incentive awards of BSAU' on 3.9.15 for academic year 2014-15
- Dr. U. Sabura Banu, Prof. /EIE received award for publication in Book Lecture notes in Electrical Engineering, Springer publications under Research Incentive Scheme for the year 2013-14 held on 31st August 2015.
- Mr. N. Sivaramakrishnan, AP/EIE received best paper award for the paper titled 'Design of Linear Quadratic controller for Quasi Z source inverter' at the International

Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College held on 20.8.15.

- Ms. G. Anidha, AP(S.G)/EIE received best paper presented award for the paper titled “Analyzing choroidal Neovascularization through characterization of changes in posterior eye segment ”at the International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College held on 20.8.15.
- Dr. U. Sabura Banu, Prof./EIE awarded travel fellowship by Centre for International co-operation in Science (CICS) for attending and presenting a research article in an International Conference INTELLISYS 2015 held in London, UK.
- Dr. U. Sabura Banu, Prof./EIE received the Lifetime Membership certification from ISRD : Membership ID: F3140900203 in Fellow category in International Society for Research and Development (ISRD membership), UK.

INDUSTRY / INSTITUTE COLLABORATION:

- Dr. U. Sabura Banu, Prof./EIE and Ms. P.R. Hemavathy, AP(S.G)/EIE visited FLSmith Automation Pvt. Ltd. and discussed the possible areas of collaborations on 30th June 2015.
- Dr. D.Najumnissa Jamal, Prof / EIE, interacted with Prof Hitten Zaveri, Department of Neurology, Yale University, Levin Kuhlmann, Neuroengineering Laboratory, The University of Melbourne and Dr. Lakshmi Narayanan, Royal Children Hospital, Melbourne for possible collaborations.
- Dr. U. Sabura Banu, Prof. /EIE interacted with IDDS participants on 1.8.15 and finalized two collaborative projects
 - Neonatal temperature measurement
 - BMI - Food Nutrition
- Dr. U. Sabura Banu, Prof./EIE visited Festo Controls Pvt Ltd - FESTO Didactic - Global Production Centre - Technology and Engineering Centre along with Dr. V M Periasamy , Vice Chancellor, Dr. S Prince Arockia Doss - Director, International Collaboration, Dr. R Raja Prabu, Dean (Academic Research), Dr. M Murugan, Dean, School of Mechanical Sciences, on 12th June 2015 and had elaborate discussions with Mr.Rashmikant Joshi, MD Festo Controls Pvt. Ltd and with Harish Nachnani, National sales Manager, Didactic.
- An Industry Institute Meet was held on 10.10.15. Executives from the following companies attended the meeting.
 - Mr. R. Jaganathan, *Yokogawa India Ltd*
 - Mr. Thiru. T, Microtek Instruments
 - Mr. V.Mathiyazhagan, Technip India Limited
 - Mr. Ramalingam, Infrared Instruments and Services
 - Mr. Chandru, R&D Instrument Services
 - Mr. Vishnuvardhan. J, Trend Automation

- Dr. U. Sabura Banu, Professor visited Universities and Innovation Centres in United Kingdom during 10th November to 15th November 2015. She visited many colleges, i.e., King's College, Trinity College, St. John's college and labs such as Watson's and Crick's Lab, Mathematical bridge, Cavendish Lab, in Cambridge University on 11th November 2015 and visited the research facilities in the Biotechnology Unit and Chemical Engineering Department. She visited Sussex Innovation Centre. The centre helps in start-ups by way of mentoring to get-off right start, to get smart decision in selecting the right job and organize workshops/seminars to help them build skills. She then visited the Impact Hub Westminster on 13th November 2015, which was established in 2011, a global network housing flexible working spaces for incubators with positive social and environmental impact which provides a platform for the start-ups through collaboration and support. She visited Entrepreneurship Career Centre at London Business School on 14th November 2015.

SOCIETY ACTIVITIES

SEIE Inauguration:

- The inauguration of Society of Electronics and Instrumentation Engineers for the year 2015-16 was held on 26th August, 2015. Chief Guest Dr. A. Gopal, Senior Principal Scientist, CSIR-CEERI, Taramani, Chennai delivered special lecture on “Innovation in Instrumentation”.



- The inauguration of Precision +, 2016 under the CRESTECH banner was held on 19.3.16 Chief Guest Mr.P.Murugan, superintending Engineer, M.N.Dasthur and Co Pvt Ltd., Inaugurated the symposium and delivered a lecture on “Scope of Instrumentation Engineers in Core Industries” on 19.3.16



IMPORTANT VISITORS

- R Joshi Festo MD India; Harish N Nachnanl, FESTO DIDACT, Luis Sa, FESTO, Germany visited B.S. Abdur Rahman University on 27th November 2015.

- STEIB MARC from FESTO HQ Germany visited the Process Control lab on 30/11/15.

ANY OTHER INFORMATION

- ❖ Dr. U. Sabura Banu, Prof. /EIE visited Buhari Tower and had a meeting with Mr. Habib Anwar, HIVE and co-sponsor of IDDS & our Chairman, Mr. Abdul Rahman Buhari on 1st September 2015.
- ❖ Dr. U. Sabura Banu, Prof. /EIE visited the following organization in connection with Self Help Group hand in hand societal needs on 8th September 2015. Had a meeting Self Help Group.
 - Dairy Hub, Wallajabad Branch
 - Crisp Bakery, Kancheepuram
 - HiH HO, Kancheepuram
 - Poongavanam School, Kancheepuram
 - Mudichur Community Waterplant – SWM Project

SCHOOL OF INFRASTRUCTURE

➤ **Dept. of Civil Engineering**

DEPARTMENT OF CIVIL ENGINEERING

CIVIL ENGINEERING

TRAINING PROGRAMMES OFFERED

- A training programme was organized in collaboration with HSS BIM solutions Ltd., on BIM technology from March 2015-April 2015 for 23 students of III Year B.Tech Civil Engineering.
- A training programme was organized in collaboration with HSS BIM solutions Ltd., on software's such as Revit Architecture, Revit Structure and Navis works during 27.1.2016 to 13.2.2016 for 12 students of IV Sem M.Tech Construction Engineering and Project Management.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Two days National Conference on "Sustainable Civil Engineering Technologies & Practices" was organized during April 29 – 30, 2015. Mr. B. Suresh, CEO and Whole Time Director, M/s Mahindra Consulting Engineers Ltd., Chennai inaugurated the conference and delivered a key note address on "Sustainable Infrastructure Development".



- A 3 day workshop on STAAD PRO and Quantity Take Off in collaboration with CADD Center was organized for the final year B.Tech Civil Engineering Students of the department during 09th, 10th and 14th September 2015 in civil engineering computer laboratory.



- A three day workshop on ANSYS in collaboration with CADD Center was organized during 29th, 30th and 31st October 2015



- A Three Day Workshop on "ETABS, High-Rise Building Designing and Analysis" in collaboration with SpaceCADD was organized for M.Tech Structural Engineering Students on 5, 6, and 8th February 2016. \

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Sl. No	Year	Nature of Programme attended by Faculty					Total
		FDP	Workshop	International Conference	National Conference	CEP	
1	2015-2016	4	29	3	4	-	40

- Mr. Kaliluthin.A.K, Asst. Prof. attended a workshop on “Quality Assurance in Academic and Sponsored Research”, on 7th March 2015 at B.S.Abdur Rahman University, Chennai.
- Mr. Mohammed Shanavaz .D, Asst Prof and Mr.Maharajan.N, Asst Prof attended training on “Microwave Remote Sensing Applications”NRSC ISRO Hyderabad during 11th May 2015 – 22nd May 2015.
- Ms. Ayisha Siddiqua.M, Asst Prof and Mr. Ibrahim.Y, Asst Prof attended a workshop on “Waste to Wealth” organized by IGBC on 7th August 2015.
- Mr. Kaliluthin.A.K Asst. Prof. attended a workshop on “Building Estimation and Structural Design” on 7th September 2015 conducted by CADD Centre at B.S.Abdur Rahman University, Chennai.
- Dr.Vandhana Devi .V (Associate Professor),and Mr.Kaliluthin.A.K (Assistant Professor),attended an One day Workshop on " Modern Construction Practices and Reuse Technology" at Auroville in Pondicherry on 10th September 2015.
- Mrs.Nisha Khanam (Asst.Prof),and Mr.Ibrahim.Y (Asst.Prof), attended an one day Workshop on "Modern Construction Practices and Reuse Technology" at Auroville in Pondicherry on 12th September 2015.
- Ms. Ayisha Siddiqua.M, Asst Prof and Mr. Ibrahim.Y, Asst Prof attended a workshop on “Instrumental Methods of Analysis” at SSN College of Engineering on 22nd September 2015.
- Mr. Maharajan.N attended the 'INSDAG Civil Award - 2015' held at Kolkata during September 2015
- Mrs.Meenambigai @ Deepika.S, Asst Prof has attended a one day Workshop on "Mobility Safety" conducted by Department of Automobile Engineering on 08th september 2015 at B.S.Abdur Rahman University, Chennai.
- Mr. Shafeer Ahamed.S attended one day workshop on “ETABS, High-Rise Building Designing and Analysis” on 22nd September, 2015.
- Mr. Kaliluthin.A.K, Asst. Prof. attended a National Conference on “Career Choices of B School Students: Discover the Pride”, on 6th October 2015 at B.S.Abdur Rahman University, Chennai.
- Dr.Vandhana Devi .V (Asso.Prof),Mrs.Nisha Khanam Mrs.Roopaa.V, Mrs.AyishaSiddiqua.M, MrsMeenambigai@.Deepika.S, Ms.Manimozhi.R Mrs.Booma.S ,Mrs Hemalatha.C and Mrs.Kanmani.K, have attended the one day workshop on "Preparing Technical Teachers for Optimal Classroom Delivery through English Language" organized by the School of School Sciences and Humanities in Association with Cambridge English on 28th October 2015.
- Mr.Shafeer Ahamed.S, Asst Prof and Roopa.V, Asst Prof attended an International Conference on Corrosion, CORCON- 2015, Nov 2015.
- Dr. Haji Sheik Mohammed.M.S, (Prof) ,attended Entrepreneurship Conference TiECON on 31.10.15 organized by TiECON, Chennai at ITC Grand Chola, Chennai.
- Dr. Haji Sheik Mohammed.M.S, (Prof) attended Doctoral Course on Advanced Concrete Technology RILEM-ICI during 29.11.15 – 04.12.15 organized by Department of Civil Engineering, IIT, Madras.
- Ms.Booma .S, Mr. Mohammed Shanawaz .D and Mr. Maharajan.N attended a two day workshop on creative thinking from 19/01/2016 and 20/01/2016 at B.S.Abdur Rahman University

- Mr.Shafeer Ahamed.S, Asst Prof, Ms.Hemalatha.C, Asst Prof, Ms.Shanmuga Priya.P.M, Asst Prof and Ms.Deepika @ Meenambigai.S., Asst Prof attended a “TWO WEEK ISTE STTP on “Introduction To Structural Engineering” from 4th January 2016 to 9th January 2016 conducted by IIT Kharagpur, NMEICT (MHRD, Government of India sponsored).
- Dr.Yogeswari.K, and Dr.Vandhana Devi .V (Associate Professors), Mrs.Nisha Khanam, Dr.Suriya.S, Mrs.Kanmani.K, Mrs.Roopaa.V, Mrs.Booma.S, Mrs.Shanmuga Priya .P .M (Assistant Professors), participated in one day workshop on " Gift Yourself" held on 18th January 2016 organized by Women Empowerment Cell, at B.S.Abdur Rahman University.
- Mr. Mohammed Shanawaz.D and Mr. Maharajan.N participated in the ICTACT DIGITAL YOUTH SUMMIT 2016 held on 30th Jan organized by ICTACT at B.S.Abdur Rahman University.
- Mr. Mohamed Shanavaz.D attended a Winter School on “Urban Air Pollution and Health Risk “on 11th February 2016 at IIT Chennai.
- Mrs.Nisha Khanam(Asst.Prof),participated in the 1st Indian International Conference on " Air Quality Management(IICAQM) -2016" organized by IIT Madras and Helmholtz Centre for Environmental Research, Leipzig from 15th - 16th February,2016.
- Dr.Yogeswari.K, Asso. Prof, Dr.Vandhana Devi .V, Asso. Prof, and Mrs.Nisha Khanam, Asst.Prof attended a National Conference on “Women and Mental Health: Psychosocial Perspective” on 17th and 18th February 2016 sponsored by ICMR.
- Mani Mozhi .R attended an one day workshop on “Lesson learnt from failures and sustainability of structures” at Vel University on 24th February 2016.
- Ms.Faleelama.S attended a One day workshop on STAADPRO and GIS at IIT ,Madras on 5th February 2016.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
41	13	-	18	71

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

INTERNATIONAL JOURNAL:

- Suresh.R., and Vasanthi. P.,“Green Highways rating system” *International Journal of Science ,Technology and Management*, Volume 4, March 2015, pp 1118-1125.
- Shamili .S .R, Gandhi .P, Vishnuvardhan .S and Gajalakshmi .P, “Fatigue Crack Growth Studies on Rail Steel”, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 4, No. 6, pp. 1777 – 1785, May 2015.

- Kaliluthin .A.K, Thirumuruga Poiyamozhi .M. V. V. and Kumar .P .S,“ Assessment of Time and Cost Risks in Construction Projects”, *International Journal of Applied Engineering Research*, Vol. 10, pp. 62–66, June 2015.
- Kanmani .K, “Fiber Bragg Grating Sensors In Civil Structures”, *International Journal of Applied Engineering Research*, Vol. 10, p. 57, June 2015.
- Karpagam.V and Ramesh.K, “Assessment of Groundwater Quality of Chrompet Industrial Area by Water Quality Index Method”, *International Journal of Engineering Technology, Management and Applied Sciences*, Vol. 3, No. 7, pp. 124-131, July 2015.
- Ayisha Sidiqia.M and Kanmani.S, “Degradation of phenolic wastewaters by UV-LED/H₂O₂/Nano TiO₂”, *International Journal of Engineering Technology, Management and Applied Sciences*, Vol. 3, No. 8, pp. 73-80, Aug 2015.
- Suriya.S, Saurav Sadhukhan and Vishnu Priya, “Live Diagrid - An eco friendly approach for reduction in Temperature”, *International Journal of Mechanical, Civil and Control Engineering* , Vol. 1, No. 4, pp. 23-26, Aug 2015.
- Eliass A. Latiff and Haji Sheik Mohammed M.S, “Thermal Insulated Acrylic Based Heat Reflective Waterproofing System for Terrace Slab”, *International Journal of Advanced Technology in Engineering and Science*, Vol. 3, No. 1, pp. 100-111, Sep 2015.
- Mohammed Ibrahlim .M., Dyana Joselin and Haji Sheik Mohammed M.S,“Durable Ferro cement Panels for Use in Secondary Roofing – An Experimental Study”, *International Journal of Advanced Technology in Engineering and Science*, Vol. 3, No. 1, pp. 112-121, Sep 2015.
- Suriya S., Sowmiya Sadhana, S and Suman Naaz Shaikh, “Study on polymer modified steel fiber reinforced concrete”, *International Journal of Advanced Research in Biology Ecology Science and Technology (IJARBEST)*, Vol. 1, No.2, pp. 70-73, Nov 2015.
- Jagadeesh.K, “Comparison of Productivity across Various Construction Projects”, *International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS)*, Vol. 4, No.11, pp. 35-39, Nov 2015.
- Abdul Salam R. Singaravelan, Vasanthi.P, .Bangarusudarsan Alwar, “Electrochemical fabrication of Ag–Cu nano alloy and its characterization: An investigation”, *Journal of Nanostructure in Chemistry*, Vol. 5, No.4, pp. 383-392, Dec 2015.
- Pamila Ramesh, Vasanthi .P, Sivacoumar.R, “ Influence of Homemade Coagulants on the Characteristics of Surface Water Treatment: Experimental Study” *International Journal of Engineering Research & Technology*, Vol. 4, No.12, pp. 342-344, Dec 2015.
- Naseemul Irfan .A, Molykutty .M .V, “Holistic Household Waste Management at Source- An Experimental Study”, *IJLTEMAS International journal of latest trends in Engineering, management and applied sciences*, Vol. 4, No.11, pp. 12-16, Dec 2015.
- Molykutty .M.V “Importance of Infrastructure Planning International”, *Journal of Water Resources Engineering*, Vol. 1, No.2, pp. 1-2, Dec 2015.
- Molykutty .M.V, “Energy Conservation in Buildings”, *International Journal of Construction Engineering and Planning*, Vol. 1, No.2, pp. 1-3, Dec 2015.

- Meenambigai @ Deepika.S, Ambily.P.S, Arvinda Pandian.C.K, "Mechanical and Durability Properties of UHSGC Using Industrial Waste", International Journal For Science and Advance Research in Technology, Vol. 2 Issue 1, pp. 87–92, - January 2016.
- PraveenKumar, Arvinda Pandian.C.K, Meenambigai @ Deepika.S, "Investigation of Mechanical Properties of Natural Fiber Reinforced Polymer Matrix Composite Using China Clay as Filler Material ",International Journal For Science and Advance Research in Technology, Vol. 2 Issue 1, pp. 101–104, - January 2016.

INTERNATIONAL CONFERENCE:

- Vandhana Devi.V, Nieas and Faiyaz, "Study on Sustainable low cost housing materials", Proceedings of the International conference on Competency building strategies in business and technology for sustainable development, Sri Ganesh School of Business Management, Salem, Feb 2015.pp-82
- Premkumaran.S.K and Krithika Priyadarshini, "Implementation of 4D-Visualization Technology at Saidapet Metro Station Construction", Proceedings of the *International conference on engineering and applied sciences* ICEAS - 2015,Vetrivinayaka College of Engineering and Technology, March 2015 pp 66.
- Kanmani K, "Fiber Bragg Grating Sensors in Civil Structures", Proceedings of the International Conference on *Innovative Trends in Mechanical and Civil Engineering*, PET College, Valliyoor, Tirunelveli, Vol No.57, pp. 149, April 2015.
- Meenambigai @ Deepika.S, "Experimental Investigation on Durability Properties of Ultra High Strength Geopolymer Concrete", Proceedings of the International Conference on Emerging Trends in Engineering Research (ICETER'15), VELS UNIVERSITY, Chennai, India, April 2015.
- Suriya S., Saurav Sadhukhan and Vishnu Priya, "Live Diagrid – An Eco-friendly approach for reduction in temperature" Proceedings of the International Conference on "Technological Advancements in Engineering ICTAE" International Institute of Scientific Research and Technology (IISRT) Chennai, pp 8, Aug. 2015
- Dyana Joseline, Steffy Maryline .W and Haji Sheik Mohammed.M.S "Sodium Nitrite Based Mixed Inhibitor for Corrosion Protection of Steel Rebars Used in Construction", Proceedings of the International Conference and Expo on Corrosion (CORCON 2015), YSF28, NACE International India Section, Chennai Trade Centre Chennai, India Nov. 2015 Vol No.1,YSF - 28 pp.1-10, Nov 2015.
- Suriya S., Sowmiya Sadhana, S and Suman Naaz Shaikh, "Study on polymer modified steel fiber reinforced concrete" Proceedings of the International Online Conference on "Advanced Research in Biology, Ecology, Science and Technology – IJARBEST'15" IJARBEST Chennai, India pp 65-69,19th Nov. 2015
- Mrs.Nisha Khanam, "Comparison of velocity profiles of both Free and Submerged hydraulic jump", Proceedings of the International conference on "HYDRO-2015" IIT-Roorkee, pp. 120,2015.
- Elias A Latiff and Haji Sheik Mohammed.M.S, "Thermal Insulated Acrylic Based Heat Reflective Waterproofing System for Terrace Slab", Proceedings of the 2nd International Conference on Science, Technology & Management", Delhi University, New Delhi, India, pp.196-207.

- Mohamed Ibrahimi.M, Dyana Joseline and Haji Sheik Mohammed.M.S, "Durable Ferro cement Panels for Use in Secondary Roofing - An Experimental Study", Proceedings of the 2nd International Conference on Science, Technology & Management", Delhi University, New Delhi, India, pp. 275-284.
- Suresh.R., and Vasanthi .P (2015), "Green Highways rating system "Proceedings of the International Conference on Recent trends in Engineering Science and management, JNU,New Delhi,, Volume 4, pp 1118-1125, March 2015.
- Ms. Shanmuga Priya.P.M and Mr.Solaimalai.K, "Experimental Study on Behaviour of Elastomeric Bearing and Causes of Failures with Remedies", Proceedings of the International conference on Advances in Engineering, Science and Management 2015 (ICAESM 2015), EGS Pillay Engineering College, , Nagapattinam.pp-72, May 8th and 9th 2015
- Dyana Joseline. W. Steffy Maryline and M.S. Haji Sheik Mohammed (2015), "Sodium nitrate based inhibitor for corrosion control of steel rebar in concrete – compability, stringy and durability performance, International corrosion prevention symposium for Research Scholars (CORSYM 2015) op 51, IIT Madras, Chennai

NATIONAL CONFERENCE

- Booma.S and Mohammed Rayyan, "Infrastructure Development in Pallavaram using GIS", Proceedings of the National Conference on Quest for Advancements in Civil Engineering", SRM University, Ramapuram, Chennai. March 2015
- Booma .S and Sheik Mohammed Faiyaz, " Eco Friendly Building Material - Compressed Stabilized Earth Block. Proceedings of the National Conference on Recent Advances in Science, Engineering and Management ,Tagore Engineering College, Chennai March 19, 2015
- Kaliluthin .A .K, Kothandaraman .S, Vijayakumar and Govintharaj, "Evaluation of Exterior Beam-Column Joint with Core Reinforcement" Proceedings of the National Conference on Advances in Construction Materials and Structures" St. Peter's University, Avadi, Chennai pp 8-13, March 17&18, 2015.
- Shanmuga Priya.P.M, "Experimental Study on Behaviour of Elastomeric Bearing and Causes of Failures with Remedies", Proceedings of the National Conference on Recent Trends in Civil Engineering, EGS Pillay Engineering College, March 2015
- Ibrahim .Y, Sheik Mohammed Faiyaz and Nieas. R, " Feasibility studies for enhancement of nutrient removal from dairy effluent by adopting SBR process Innovations in Mechanical Mechatronics and Building Sciences" Proceedings of the National Conference (NCIMMBS 2015),Kongu Engineering College, Perundurai, Tamilnadu pp 28 ,March 31, 2015.
- Saurav Sadhukan, Vandhana Devi.V and Yunus Mohammed (2015) , "Coastal Zone Management: A sustainable way to manage the coastal zone, Proceedings of the National Conference on Advances on Civil Engineering" SSN College of Engineering, Chennai, pp. 164-172, March 19&20, 2015.
- Vandhana Devi .V, Saurav Sadhukan and Vishnu Priya "A study on the management of rubber waste using bioremediation technique" Proceedings of

- the National Conference on Advancements and Challenges in Civil Engineering, Valliammai Engineering College, Chennai pp 64-68, April 23, 2015
- Kaliluthin .A .K, Naveed Ahamed M and Vijaya Kumar S “Seismic Performance of R.C Beam Column Joints Under Cyclic Loading” Proceedings of the National Conference on Advancements and Challenges in Civil Engineering, Valliammai Engineering College, Chennai ,pp 245-250 ,April 23, 2015
 - Mujeeb Basha .S and Vasanthi .P, “Experimental Study on Ductility and Crack Behavior of Ferro cement Panels using Waste Plastic Fiber ”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp 79-88, April 29 & 30, 2015
 - Eliass A.Latiff, Aswin Lekha .D and Haji sheik Mohammed.M.S Development of Innovative Weathering Course for Enhanced Thermal Insulation of Flat Roofs ”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp 102 -105 ,April 29 & 30, 2015
 - Vigneshvar .G .A and Shafeer Ahamed.S Study on Effects of Nitrite and Mix Design on Corrosion Resistance of Steel in Concrete ”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University, pp 110-114, April 29 & 30, 2015
 - Ajmal Hasan .M .A, Arfas .P .H and Md. Pervez Hossain and Shafeer Ahamed .S Investigation of Stiffness Matrix of a Cantilever Beam for Damage Identification ”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University ,pp 115-118 ,April 29 & 30, 2015
 - Mohammed Irbaz .K, Vinu.S.K and Haji Sheik Mohammed.M.S Performance of Polymer modified Concrete using Blended Cement ”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp 124 -130, April 29 & 30, 2015
 - Suresh .R and Vasanthi.P, “Green Highway Ratings for Existing NH and SH in Tamilnadu - A Case Study”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University April 29 & 30, 2015, pp. 125-132.
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 - Gobi.M and Priyanth.G, “Risk Assessment in Construction of Post Tensioning Structures” , Proceedings of the National Conference Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University, pp 181-186, April 29 & 30, 2015,.
 - Rahul.B and Priyanth.G, “Comparative Analysis of Modular and Conventional Method of Construction”, Proceedings of the National Conference Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp. 172-180, April 29 & 30, 2015,
 - Prasanna, Brinda.T.N and Molykutty.M.V , “Design and Performance Evaluation of Structural Double Glazing Façade Technology” , Proceedings of the National

- Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp.187-192, April 29 & 30, 2015,.
- Gayathri.N and Molykutty.M.V , “Life Cycle Analysis of Energy Use and Environmental Impact for Multi-Storey RCC Structure” , Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University, pp. 193-201, April 29 & 30, 2015,
 - Mohammed Rafi and Jagadeesh.K, “ Comparison of Productivity Across Various Construction Projects” , Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp.202-205, April 29 & 30, 2015,.
 - Vasudevan.R and Jagadeesh.K, “Energy Auditing and Conservative Measures of a Typical Residential Building”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices B. S. Abdur Rahman University, pp.206-211, April 29 & 30, 2015,.
 - Manivannan.R and Molykutty.M.V , “Analysis of Optimal Selection of Energy Efficient Roofing Material - An Experimental Study”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University, pp.212-218, April 29 & 30, 2015,.
 - Raya Raghavendra Kumar and Brinda T.N, “Green Retrofitting for an Existing Building”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University, pp.254-256, April 29 & 30, 2015,.
 - Selvam..A and Krithika Priyadarshini, “Safety Management and Hazardous Control Measures in Construction”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University, pp.259, April 29 & 30, 2015,.
 - Moorthy.R and Molykutty.M.V , “Analysis of Optimal Selection of Energy Efficient Roofing Material - An Experimental Study” , Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University , pp 219-222, April 29 & 30, 2015
 - Aahrthy.R, Nawal Kihsor Banjaria and Haji Sheik Mohammed.M.S, “Experimental and Numerical Study on Plain Concrete Prisms under Fatigue Loading” , Proceedings of the National Conference on Advancements and Challenges in Civil Engineering pp. 343-349, April 2015,
 - Sundar and Gokulanathan.V, “Effect of NaOH Concentration on the Strength of Fly Ash Based Geo Polymer Concrete” , Sustainable Civil Engineering Technologies and Practices , B. S. Abdur Rahman University pp. 148, April 29 & 30, 2015.
 - Mohammed Ibrahim.M, Dyana Joseline, Shanmuga Priya.S and Haji Sheik Mohammed.M.S, “Strength and Thermal Performance of Ferro cement Panels for use in Secondary Roofing”, Sustainable Civil Engineering Technologies and Practices, , B. S. Abdur Rahman University pp.94-99, April 29 & 30, 2015,.
 - Shoib Bashir Wani, Junaid Ahmed.E.S and Haji Sheik Mohammed.M.S, “Study on Influence of Rib Configuration on Bond Strength Development between Steel and Concrete, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices. S. Abdur Rahman University pp. 100 – 106, April 29 & 30, 2015,

- Aswin Lekha.D and Haji sheik Mohammed.M.S, “Development of Innovative Weathering Course for Enhanced Thermal Insulation of Flat Roofs”, Proceedings of the National Conference on Sustainable Civil Engineering Technologies and Practices. S. Abdur Rahman University pp. 146 – 147, April 29 & 30, 2015,.
- Dhivya .A, Surrendar.S, Mohit Verma, Anandavalli.N, Rajasankar.J and Haji Sheik Mohammed.M.S, “Suitability of Circular Shape to Represent Aggregates in Mesoscale Models of Concrete”, Proceedings of the National Conference on Advancements and Challenges in Civil Engineering, pp. 220-223, April 2015,
- Steffy Maryline .W and Haji Sheik Mohammed.M.S, “Study on Compatibility of Nitrite Based Corrosion Inhibitor with Different Types of Cement”, Proceedings of the National Conference on Advancements and Challenges in Civil Engineering, pp.216-219, April 2015,.
- Ramya.N and Haji Sheik Mohammed.M.S, “Strength and Durability Performance of Styrene Acrylate Copolymer modified Mortar”, Sustainable Civil Engineering Technologies and Practices. S. Abdur Rahman University pp. 107 – 109, April 29 & 30, 2015,.
- Rediyammal.S and Vasanthi.P “Cost comparison of Conventional versus Green Building-A case study “Proceedings of the National Conference on Sustainable Civil Engineering Technologies & Practices B. S. Abdur Rahman University pp. 245 – 253, April 29 & 30, 2015,
- Shafeeq Rahman and Vasanthi .P “Experimental Investigation on Ductility and Crack behavior of Glass Fibre Modified Ferro cement Panels” Proceedings of the National Conference on Sustainable Civil Engineering Technologies & Practices. S. Abdur Rahman University pp. 245-253, April 29 & 30, 2015.
- Vasanthi .P and Pamela.S “Comparison and Performance Evaluation of low cost and naturally available materials as coagulants for water treatment ” Proceedings of the National Conference on Sustainable Civil Engineering Technologies & Practices. S. Abdur Rahman University pp. 224-240, April 29 & 30, 2015,.
- Thilepan.E and Vasanthi.P, “Assessment of Cost Savings in Building Construction using Demolition Waste”, Sustainable Civil Engineering Technologies & Practices. S. Abdur Rahman University, pp. 149 – 153, April 29 & 30, 2015.
- Ramyashri.R, Lekhashri.G., Gajalakshmi.P, “ Analytical study on the behaviour of CFRP wrapped Concrete filled steel tubes subjected to lateral loading” Proceedings of the National Conference on National Conference on Advancements and challenges in Civil Engineering, held at Valliammai Engineering College, Kanchipuram,, pp 302-334, April 2015.
- Divya .P, Menaka A.S, Muthukumar .M, Gajalakshmi.P, “Study on the behaviour of CFRP wrapped CFST under axial loading” Proceedings of the National Conference on National Conference on Advancements and challenges in Civil Engineering, held at Valliammai Engineering College, Kanchipuram, pp 261-267, April 2015
- Vinitha, P.K.Umasha, Gajalakshmi.P, “Behaviour of Telecommunication tower subjected to wind and seismic loading” Proceedings of the National Conference on National Conference on Advancements and challenges in Civil Engineering, held at Valliammai Engineering College, Kanchipuram, pp 299-303, April 2015.

- Revathy.J, Ms. Mahalakshmi.S, Ms. Deivanai.A, Ms. Siva Ranjini.D.M and Mr. Velmanikanda Prabhu.J, “ Finite Element Modeling of High volume fly ash Fiber Reinforced Concrete under Fatigue Loading”, Proceedings of the National Conference on Trendy and Sustainable Development in Civil Engineering, pp. 274-49,May 2015.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

RANGE	AVERAGE	h-INDEX	NO. IN SCOPUS
0.17	0.17	1	3

SPONSORED RESEARCH (ONGOING / APPLIED)

Sl. No	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1	Dr. Revathy.J	DST- SERB	Seismic Retrofitting of Prestressed Concrete Beams Externally Bonded with Fibre Reinforced Polymer Composites.	17.04 Lakh	Ongoing
2	Dr.Gajalakshmi. P (P.I), Dr. Revathy.J (Co.I)	Ministry of Earth Sciences.	Seismic Performance of FRP Confined Concrete filled steel tubular Columns	29.10 Lakh	Ongoing
3	Dr. Gajalakshmi.P & Dr.Revathy.J	CSIR, New Delhi	Seismic Performance of FRP Pultruded Beam-Column Joint.	11 Lakhs	Applied on 16 September 2015
4	Dr. Revathy.J & Dr. Gajalakshmi.P	BRNS, Mumbai	Dynamic Assessment of corrosion damaged RC beams retrofitted with fibre reinforced composites.	34 Lakhs	Applied on 9 September 2015
5	Dr.Vandhana Devi .V and Suriya.S	Ministry of Earth Sciences.	Hydrodynamic modeling and Eco restoration of Adayar Estuary.	23 lakh	Applied Oct. 6th, 2015

SPONSORED WORKSHOP (SANCTIONED/ APPLIED)

S.No.	Convenor	Funding Agencies	Workshop Title	Amount (Rs)	Status
1	Dr. Haji Sheik Mohammed.M.S and	SERB	Impact of Climate Change on Durability of RCC	50,000	Sanctioned Feb 2016

	Dr Vasanthi .P		Structures		
2	Dr. Haji Sheik Mohammed . Dr Vasanthi. P	INSA	Impact of Climate Change on Durability of RCC Structures	1 Lakh	Applied, Jan 2016
3	Dr. Vandhana Devi.V	SERB (New Delhi)	Urban Disasters- Nature's fury or Human Negligence		Applied January 5th, 2016

INTERNATIONAL VISIT (ACADEMIC RESEARCH)

- Mohamed Shanavaz.D attended a ESA- MOST Dragon 3 Cooperation: 'Advanced Training Course in Ocean Remote Sensing' at The Chinese University of Hong Kong, Hong Kong during 21-26 October 2013 and presented a poster paper.

ACHIEVEMENTS OF DEPARTMENT

- National Board on Accreditation (NBA) visited Department of Civil Engineering in connection with Accreditation of M.Tech. Structural Engineering Programme during 23-26, April, 2015 and has awarded accreditation for two years.

ACHIEVEMENTS OF STAFF

- Dr. Yogeswari.K, Asso. Prof obtained her Ph.D degree from B.S Abdur Rahman University on Oct 2015 for her research on "Sustainable Transportation Planning for Livable Area (Tambaram) Using Fuzzy Aided System.
- Dr. Haji Sheik Mohammed.M.S, Dr Rasul Mohideen.E, Dr.Gajalakshmi.P and Dr.Yogeswari.K, Mr. Kaliluthin.A.K have received awards under " Research Incentive Scheme of B.S.A.U" for their Research Publications.

LECTURES DELIVERED BY FACULTY

- Dr.Haji Sheik Mohammed .M.S delivered a Lecture on "Recent Trends In Corrosion Protection of Steel Rebars Used In Concrete" at The Two Day National Symposium on Combating Corrosion during 3 – 4th March 2015, VIT University, Chennai Campus.
- Dr. Vasanthi .P delivered a Lecture on "Soil Pollution and its effects on Ground Water "at the National Workshop on Pollution and its monitoring at Sri Sankara University,Kancheepuram on 31.03.2015.
- Dr.Molykutty.M.V delivered a Lecture on "Thermal Performance of Buildings "at the National Conference on Sustainable Civil Engineering Technologies and Practices Conducted by Civil Engg Department during April 2015

- Dr.Revathy.J delivered a Lecture on “Retrofitting of Structures Using Fibre Reinforced Polymer Composites” on 18.09.2015 at the Research Forum at BSAU.
- Dr.Suriya.S delivered a Lecture on “Studies on Flood Mapping: Remote Sensing and GIS Applications” on 13.01.2016 at Meenakshi Sundarajan Engineering College, Chennai.

ACHIEVEMENTS OF STUDENTS

- Mr. Mohamed Sultan.M & Mr. Mohammed Arshed.M, III year B.Tech. Civil Engineering students presented their innovative concept “Low Cost Cooler” in the finals for PALS4 Innovation Challenge Competition on 29th March, 2015 and finished in the 4th position by competing with premier academic Institutions across Tamilnadu.
- Mr. Mohammed Rayyan.N, Mr. Mohammed Azlan Jan, Mr. Mohammed Ismail Afraz and Mr. Manikandan.C of IIIrd year B.Tech. Civil Engineering participated in the finale of India’s Biggest Civil Bridge Design Contest (IBCC 2015) held at IIT, Mumbai and finished in 6th place by competing with 450 teams from all over India, during April 2015.
- Ms. Dyana Joseline, Final year student of M.Tech. Structural Engineering was awarded Half Time Research Assistantship for 4 years with a Initial stipend of Rs. 28,000 per month from Indian Institute of Technology, Madras to pursue her Ph.D in the Building Technology and Construction Management Division. (June 2015)
- Ms. Gowsalya Manavalan, IIIrd year B.Tech. Civil Engineering student has undergone a summer internship project for a period of 3 months (during May – July 2015) at IIT Madras on the topic “Comparison of sustainability in GFRG Building System and Conventional Building Systems” under the guidance of Prof. A. Meher Prasad, Professor and Head, Department of Civil Engineering IIT Madras.
- Mr. MAGESHRAM - M. Tech- Final Yr, Mohammed Rayyan - B. Tech - Final Yr, Suman Naaz Sheikh - B. Tech - Final Yr, Sowmiya Sadhana - B. Tech - Final Yr have been shortlisted for the final round of “Design of an Aesthetic and Cost Effective Stadium Roof Structure “ Organised by Institute of Steel Development & Growth (INSDAG) in Kolkata held on September 20 and 21, 2015. Thirteen individuals/groups from different engineering colleges all over India were selected for this competition.
- Ms. S.SANJU, II year- M.Tech (Structural Engineering) (Batch – 2014-16) is shortlisted for a grant-in-aid of Rs.60, 000/- from the Institution of Engineers, India, (2015-16) (No: RDPG2016036)for project on Application of nano materials in strength and durability studies for the development of sustainable concrete.Project Supervisor : Dr.J.Revathy
- The students of M.Tech CEPM I Year attended a Seminar on “Lightings” Organised by “School of Architecture”, B.S.Abdur Rahman University on 13th Feb 2016

DEVELOPMENTAL ACTIVITIES

- GIS Software named Bentley Software was purchased for Rupees Seven Lakh Fifty Thousand from Geotech Geospatial Pvt. Ltd.
- NI Data Acquisition System and Compression Testing Machine (500kN Capacity) worth of Rupees Five Lakh Sixty Thousand was purchased for Construction Materials and Technology Laboratory.

INDUSTRY / INSTITUTE COLLABORATION

- Department of Civil Engineering is involved in joint research work on "Development of PSWC bars for durable Construction along with IIT Kanpur, Nirma University, Sathyabama University and M/s/ Engineering Services International, Kolkatta.

SOCIETY ACTIVITIES

- Society of Civil Engineers, Student Chapter of ASCE and ICI was inaugurated on 24.08.15. Mr. V. Ramanathan, Deputy General Manager (Technical Services) was the Chief Guest for the function.
- Students of Final Year attended an One day workshop on "Modern Construction Practices & Reuse Technology" at Auroville on 12th September, 2015.
- Society of Civil Engineering organized two day National Level workshop on "Bridge Design" during 9th – 10th March 2016 in association with ARK Techno Solutions and IIT Madras.



EXTENSION ACTIVITY CONDUCTED

- An amount of Rs. 3,08,500/- was generated through Material Testing and Consultancy from Strength of Materials Laboratory and Construction Engineering & Technology Laboratory.

CONSULTANCY ACTIVITIES CARRIED OUT IN THE DEPARTMENT

- Rehabilitation and modification of 100 yrs old Mosque at Royapuram,
- Condition Assessment of Buhari Towers and Recommendation for Rehabilitation.
- Condition Assessment of Crescent Matriculation H.S.School, Nungambakkam.
- Rehabilitation methodology for Leaky terrace at Crescent Hostel Mosque.
- Mix Design for Govt and Semi Govt Agencies.
- GIS applications
- Testing of construction materials, cube testing soil ,water, waste water etc

IMPORTANT VISITORS

Mr. Suresh.B, CEO and Whole Time Director, M/s Mahindra Consulting Engineers Ltd, Chennai.

Prof. Arockiasamy.M, Professor & Director (Centre for Infrastructure and Constructed Facilities), Florida Atlantic University, USA

Mr. Ramanathan.V, Deputy General Manager (Technical Services), Dalmia Cements.

Mrs. Yamini Vidya Manickavasagam, Project Manager & ESD Consultant Genentech Pvt. Ltd, Singapore.

Mr.Premkumar Samuel.E, Scientific Officer (Civil), Indira Gandhi Center of Atomic Research ,Kalpakkam

ANY OTHER INFORMATION

- Survey and Soil investigation camp which is part of curriculum for third year civil engineering students was conducted from 10/2/2016 to 28/2/2016 at Seethakathi Farm House.

SPECIAL LECTURES BY EMINENT SPEAKERS

- Mr. Suresh.B, CEO and Whole Time Director, M/s Mahindra Consulting Engineers Ltd, Chennai delivered a lecture on "Sustainable Infrastructure Development" at the National Conference on "Sustainable Civil Engineering Technologies & Practices (SCETEP'15)" during April 29 – 30, 2015.
- Prof. Arockiasamy.M, Professor & Director (Centre for Infrastructure and Constructed Facilities), Florida Atlantic University, USA delivered a lecture on "Sustainability and Renewable Energy: Path Forward - Future of Engineering Education" on 7th August 2015
- Mr. Ramanathan.V, Deputy General Manager (Technical Services) delivered the key note lecture on "Secrets of Blended cement and types of cement" during the inauguration of Society of Civil Engineers and Student Chapter of ASCE and ICI on 24.08.15.
- Mrs. Yamini Vidya Manickavasagam, Project Manager & ESD Consultant Genentech Pvt. Ltd delivered a special lecture on "Industrial Practices in Energy Efficient buildings" on 11th September 2015.
- Mr.Premkumar Samuel.E, Scientific Officer(Civil) at Indira Gandhi Center of Atomic Research ,Kalpakkam delivered a guest lecture on "Construction Practices" during October 2015.

SCHOOL OF MECHANICAL SCIENCES

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

DEPARTMENT OF MECHANICAL ENGINEERING

MECHANICAL ENGINEERING

PROGRAMMES OFFERED

- Part Time B. Tech. Mechanical Engineering programme is offered exclusively to the employees of Apollo Tyres Pvt. Ltd., Chennai.
- Two batches of students have successfully completed the programme and one batch is perusing the Programme.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

Conference Conducted	FDP Conducted	Seminars Conducted	Workshops Conducted
-	-	-	4

- Two days Workshop on “Engineering Design Process” on 08th & 09th January 2016 was organized.
- Two days workshop on Design of Experiment was during November 2015.
- A one day workshop on Simulation Lab (Lab course) using MatLab software was conducted on 25.07.2015
- Five days hands-on workshop in collaboration with ANSYS software was organized
 - ANSYS Design Modeler and Mechanical – May 04-08, 2015
 - ANSYS Design Modeler Meshing FLUENT –May 18-23, 2015

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Conference Attended	FDP Attended	Seminars Attended	Workshops Attended
1	-	-	4

- Mr. A. Arockia Julias and Mr .B. Surya Rajan participated in an International Development Design Summit – Aarogyam during July 2015 jointly organized by IDIN, US Global Development Lab and BSAU.
- Mr. A. Varun kumar participated in three days course on welding technology, Metallurgy held at American Welding Society between 4th and 6th June 2015.
- Mr. G. Ramanjaneyulu and Mr. A. Varun kumar attended an International conference on Advances in Materials, Manufacturing and Applications at NIT Tiruchirapalli during April 9th to 11th 2015.
- Mr. A. Varun kumar and Mr. G. Ramanjaneyalu participated in one-day NRB Research Dissemination workshop on Friction Stir processing of Aluminium alloys and composites organized by IIT Madras 2015.

- Mr. N. Ravikumar participated in three days workshop on “Geometric dimensioning and Tolerance” organized by PSG Tech. Coimbatore during 5th to 7th March 2015.
- Mr.D.Pradeep Kumar, Mr.S.Jeavudeen, Mr.N.Subramanian, Mr.P,V.Ranga Rao and Mr.Balasinivasan One day workshop on Reverse Engineering at VIT Chennai Jan 30, 2016

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
12	3	1	11	28

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

International Journals

1. R.Sathishkumar, K.Sureshkumar, R.Velraj, “Optimization of biodiesel production from *Manilkarazapota* (L) seed oil using Taguchi method”, Fuel, Vol 140, (2015) pp.90-96
2. R.Sathish Kumar, K.Sureshkumar,” Effect of methanol blending with Pongamiapinnata biodiesel and diesel blends on engine performance and exhaust emission characteristics of an unmodified Compression Ignition engine”,International Journal of Ambient Energy, vol 36,(2015), pp. 70-75.
3. Baskar S, Rajaraman R, “Airflow Management in Automotive Engine Cooling System- Overview”, International Journal of Thermal Technologies, Vol 5, (2015), pp.1-8.
4. Baskar S, Rajaraman R Numerical investigation of airflow distribution of automotive radiator, International Review of Mechanical Engg, 9(4), pp. 417-422, 2015
5. J.DaraniPriya, J. Mahashar, “Design of a Measurement System for Surface Roughness using speckle Images”, Vol.2, Iss. 2, pp.300-305, April 2015.
6. T.R. Tamilarasan, R. Rajendran , G. Rajagopal , J. Sudagar,” Effect of surfactants on the coating properties and corrosion behaviour of Ni–P–nano-TiO₂ coatings” Surface & Coatings Technology,Vol. 276, pp.320-326, Aug.2015
7. T.R. Tamilarasan, U. Sanjitha, R. Satisha, R. Rajendran , G. Rajagopal,” Tribological Performance Optimization of Electroless Ni-P-nano-TiO₂ Coating Using Taguchi Method”, International Journal of Applied Engineering Research, Vol.10, Iss.57, pp.296-300, 2015.
8. M. Siva sankar, T.R.Tamilarasan, R.Rajendran,” Effect of bath loading on Electroless NiP-NanoTiO₂”, International Journal of Applied Engineering Research, Vol.10, Iss.57, pp.317-322, 2015.
9. T.R. Tamilarasan, R. Sathish Kumar, R. Rajendran, G. Rajagopal, "Optimization of Electroless Ni-P-Nano-TiO₂ Coating Parameters Using Taguchi Method for Corrosion Performance", Applied Mechanics and Materials, Vols. 813-814, pp. 95-100, 2015
10. T.R. Tamilarasan, R. Rajendran, M. Siva shankar, U. Sanjith, G. Rajagopal, J. Sudagar, “Wear and scratch behaviour of electroless Ni-P-nano-TiO₂: Effect of surfactants” Wear, Vol. 346-347, pp.148-157, 2016.

11. J. Purushothaman, R. Ramaseshan, S.K. Albert, R. Rajendran, N. Gowrishankar, V. Ramasubbu, S. Murugesan, Arup Dasgupta, T. Jayakumar, Influence of surface roughness and melt superheat on HDA process to form a tritium permeation barrier on RAFM steel, Fusion Engineering and Design Vol.101, pp. 154–164, 2015.

National Journal

1. H. Siddhi Jailani, A. Rajadurai, B. Mohan, T. Sornakumar, "Evaluation of drilled hole quality of Al-Si alloy / fly ash composites produced by powder metallurgical technique", Indian Journal of Engineering and Materials Sciences, Vol.22, pp.414-420, 2015.

International Conference

1. R. Rajendran, G. Ramanjaneyalu, T. R. Tamilarasan, Vladimir I Semenov, "Cryogenic Treatment of SG Iron for Disk Brake Application", SAE International, 2015.
2. V.I. Semenov, L.Sh. Shuster, S.-J. Huang, R. Rajendran, S.V. Chertovskikh, V.G. Shibakov Comparative evaluation of tribological properties of low and medium carbon steels after heat treatment and severe plastic deformation // Book of Abstracts of the 5th Int. Symp. "Bulk Nanostructured Materials: from fundamentals to innovations" (BNM-2015), USATU, August 26 -28, 2015, Ufa, pp. 25-26
3. C. K. Aravinda Pandian, K. Koppiaraj and H. Siddhi Jailani, Investigation and development of polymer composite incorporated natural fabrics- jute and linen, International Conference on Advancement in Polymeric Materials Feb 12-14, 2016, CIPET Ahmedabad.

National Conference

1. D. Prithviraj, R. Rajendran, Venugopal, "Correlation between neutral salt spray (NSS) test and potentiostat dynamic test for corrosion on zinc plated steel", in Proc Trends in Automotive Parts Systems and Applications TAPSA 2015, Coimbatore, 2015.
2. P. Madhavan, T. Venkatesan, R. Rajendran, "Fatigue crack propagation analysis on aluminium alloy-6062 using extended finite element modeling, in Proc Trends in Automotive Parts Systems and Applications TAPSA 2015, Coimbatore, 2015.
3. Tilakkumar J.V, S. Rajarajan, R. Rajendran, "Corrosive wear of aluminized steel" in Proc Emerging Trends in Automotive Technology, Chennai, 2015.
4. S. Jeavudeen, M. Murugan and S. Guhanesan, "Enhancement of Machining of Titanium Alloy in the powder mixed EDM process", National conference on Recent Trends in Efficiency Management in Industries, April 2015
5. O. Sathish and N. Sirajudeen, "Characterization of Friction surfaced low carbon steel by modeling alloy", National conference on Recent Trends in Mechanical Engineering Design, Manufacturing & Material Science", April 2015.
6. M. Abdur Rahman, N. Ravikumar and R. Rajendran, "Development of Wear Resistance Brake Pad Material for Air Disc Brake Pad", National conference on Recent Trends in Efficiency Management in Industries, April 2015
7. Santhoshkumar G, Loganathan S, R. Rajendran, "Experimental Analysis of Tribological Behaviour of Nano CuO dispersed Lubrication on steel", National conference on Recent Trends in Efficiency Management in Industries, April 2015.

8. Mohammed Dulkiflee, Varun Kumar A, M. Balasrinivasan," Metallurgical Properties of Aluminium Alloy 7075-T6 by Friction Stir Welding", National conference on Recent Trends in Efficiency Management in Industries, April 2015.
9. T. Shanawaz and R.Rajendran "Formation of Ni-Al Intermetallic Coating on 9Cr 1Mo Steel Substrate", National conference on Recent Trends in Efficiency Management in Industries, April 2015.
10. X. Joseph raj, T. Venkatesan, R.Rajendran "Fatigue Analysis of PVD coated Mild steel using Rotary Bending Machine", National conference on Recent Trends in Mechanical Engineering Design, Manufacturing & Material Science, April 2015
11. R. Vetri and S. Beer Mohammed, "Design and Analysis of composite deck plate for marine structures", National Conference on Trends and Innovations in Mechanical Engineering, April 2015.
12. T.K. Mohammed Ashik Ali and S. Beer Mohammed, "Design and Analysis of Multi Grade Waste Handling Equipment", National Conference on Recent Trends in Design and Analyzing, April 2015.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

- | | |
|------------------|-------------|
| a) RANGE | - 0 to 3.52 |
| b) AVERAGE | - 1.76 |
| c) h-INDEX | - 9 |
| d) NO. IN SCOPUS | - 10 |

SPONSORED RESEARCH (ONGOING / APPLIED)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr.R.Rajendran	UGG DAE CSR	Wear studies of duplex coated steels	Rs 2.53 lakhs per year	Ongoing
2.	Dr.Beer Mohammed	UGG DAE CSR	The Effect of Al on TiAlN, CrAlN and ZrAlN Coatings using RF powered magnetron sputtering	Three years with an amount of Rs: 2,63,400 per year	Ongoing

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
3.	Dr.R.Rajendran	DST-IC-IMPACTS	High-performance hot-dipping aluminized steel for the resources industry (oil sands, oil and gas) and automotive industry	Rs 37 lakhs	Applied
4.	Mr.B.SuryaRajan and his team	IDIN	New born temperature Measuring & Monitoring project (BABY TEMPIT)	\$1594 (Rs.1,05,000)	Active

BOOK PUBLISHED

Dr.V. Muralidharan co-authored a book on “Instrumentation and Control Systems” University Science Press (An imprint of Laxmi Publications Pvt. Ltd.,) New Delhi. (ISBN No: 978-93-83828-50-0)

INTERNATIONAL VISIT (ACADEMIC RESEARCH)

1. Mr. Rashmikant Joshi, Managing Director, Mr. Harish Nachnani, National Sales Manager and Mr. Luis Sa, Dipl.–Ing., Automation Systems, Festo Controls Private Limited, Bangalore, visited BSAU on 27th November, 2015.
2. Mr. Daniel Morris Hancock, President ,DMH Strategic Consulting LLC, Society of Automotive Engineers – SAE International Board of Directors visited and inaugurated SAEINDIA Knowledge Round Table – KRT at BSAU on 20th January, 2016.

ACHIEVEMENTS OF STAFF

- Two faculty of the department, Dr .P. D. Jeyakumar and Dr. R.Sathish Kumar completed their Ph.D.

ACHIEVEMENTS OF STUDENTS

- Sakthi Sai Robant (2015 Mechanical Batch) has been nominated as a brand ambassador of Technical University of Liberec, Czech Republic, EUROPE
- Our students participated in the SAEBAJA Design Competition and secured 26th Position in National Level contest during Feb 19-22, 2016 at Pithampur.
- Four of our students Mr. Kaushik Senguttuvan, Mr. Hafizur Rahman Mr. Abdur Rahman and Mr. Gurucharan participated in a one month International Development Design Summit – Aarogyam during July 2015 jointly organized by IDIN, US Global Development Lab and BSAU.

INDUSTRY / INSTITUTE COLLABORATION

- Participants from 20 industries attended an IIPC meet held in the month of October 2015. As an outcome, it was assured that they will be collaborating with BSAU in terms of guiding students' projects, Students in-plant training and Industrial visits.
- Mr. M. V. Ramachandran, Senior Deputy Director and Site Head – (G-ARC-Chennai), National Automotive Testing and R&D Infrastructure Project, NATRIP, visited BSAU on 11th November, 2015 and visited all the lab facilities at the School of Mechanical Sciences for possible collaboration.

SOCIETY ACTIVITIES

- Mr. S. Suriyanarayanan, General Manager-Quality control, Ford India Private Limited, inaugurated the society activities of the department and delivered the Keynote address on 13.08.2015.
- Mr.V.Sridhar, HVAC Consultant delivered a guest lecture on “Basics of HVAC and its components” on 20.08.2015.
- Mr. Shankar Raja Sekaran, President, ISHRAE Chennai chapter, delivered a guest lecture on “Indoor air Quality and HVAC in Indian Industries” on 07.10.2015.
- Dr. K. Venkateswaran, Head, R&D Bimetal bearings Ltd, presented a lecture on “Magnesium and its Alloys” on 12.11.2015.

IMPORTANT VISITORS

International Guest Lectures:

1. Dr. Peter C Brooks, Associate Professor in Mechanical Engineering, University of Leeds, UK visited BSAU on 11th September, 2015 and delivered lecture on “Clutch Characterization of Formula One Vehicles” to the Mechanical Engineering and Automobile Engineering Students of BSAU.

2. Dr. Hongwei Zhang, Principal Lecturer in Control Systems Subject Group Leader – Electrical, Electronic and Control Engineering, Department of Engineering and Mathematics, Sheffield Hallam University, UK, visited BSAU on 04th February, 2016 and delivered a special lecture on “Automation, Robotics and Control” to the Mechanical Engineering students.
3. Dr. Peter Mylon, Academic Team Leader for Advanced Manufacturing Technologies and Engineering Dynamics, University of Sheffield, UK, visited BSAU on 05th February, 2016 and delivered a special lecture on "Advanced Design and Manufacturing Techniques" to the Mechanical Engineering Students.

ANY OTHER INFORMATION

International Events:

1. A presentation on “Higher Education in German Universities” was given by Mohammed Amir .Y, Master of Science in Renewable Energy, Engineering and Management, University of Freiburg, Germany, and R. Tejas Vijay, Master of Science in Production and Logistics, Mechanical Engineering Department, Universitat Duisburg Essen on 29th September, 2015 to the Mechanical Engineering Students.
2. Mechanical Engineering students participated in the Netherlands Higher Education Presentation organized by Netherlands organization for International Cooperation in Higher Education at our University on 15th February, 2016 by Mrs. Sudha Sudeep, Senior Education Promotion Officer, NUFFIC – Netherlands Education Support Office, India.
3. Mechanical Engineering students participated in the DAAD Presentation organized by DAAD – German Academic Exchange Service Information Centre at our University on 09th March, 2016. Mrs. Padmavathi Chandramouli, Information and Office Manager, DAAD Information Centre Chennai, addressed the students.

DEPARTMENT OF AEROSPACE ENGINEERING

AEROSPACE ENGINEERING

TRAINING PROGRAMME CONDUCTED:

- ANSYS 15 training programme “**Design Modeler, Meshing & Fluent**” was conducted from 18.05.2015 to 23.05.2015.

PARENTS TEACHERS MEET CONDUCTED:

- Parents & Teachers meeting was conducted on 19.09.2015. Forty parents attended the meeting and they interacted with the faculty members and discussed on students' performance and ways to enhance the performance and attendance.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED:

Ms. G.S. Divya, Assistant Professor, attended the National Conference on 'Women and Mental Health & Psychosocial Perspective' on 17th and 18th of February, 2016.

SPONSORED RESEARCH (ONGOING / APPLIED):

S. No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. P.N. Kadiresh	AR & DB	Development of Hybrid Rocket Motor Facility	10,00,000/-	Approval awaited.

ACHIEVEMENTS OF STAFF:

R & D grant of Rs. 20,000/- from the Institution of Engineers (India) was awarded to Dr. P.N. Kadiresh & Mr. M. Magesh for the project, ' Design and Fabrication of MALE type Solar Powered UAV'.

ACHIEVEMENTS OF STUDENTS:

- ❖ The following final year students of 2011-2015 batch were placed and the details are furnished below,

(Batch : 2011 – 2015)

S. No	RRN	Name of the Students	Name of the company
1	110091101011	Linthuja G.	Infosys
2	110091101006	Gokul Vishwanathan	National Aerospace Lab (NAL)
3	110091101023	Pramod M.	CTS
4	110091101020	Mohd. Eihab V.N.	Inautix
5	110091101026	Robert Caldwell S.	CTS

Mr. Gokul Vishwanathan was awarded the 'best outgoing student' award for the academic year 2014 – 2015.

Placement details of current final year students (Batch: 2012 – 2016)

S. No	RRN	Name of the Students	Name of the company
1	120091601003	Arjun. G	Infosys & Cognizant
2	120091601010	John Peter Raj. A	Cognizant
3	120091601011	Kirithika. H	Infosys
4	120091601015	Mohammed Dastagir Shaheed. M	Cognizant
5	120091601027	Sumaiya Fathima. S.A	Infosys & Cognizant

Ms. Sumaiya Fathima has been awarded the 'best outgoing student award' for the academic year 2015-2016.

INDUSTRY / INSTITUTE COLLABORATION :

- Our University organized an Industry-Institute meet on October 10, 2015. Mr. Shakawat Ali, Director, Rathna Machines, Pvt. Ltd. – Delhi and Mr. G. Dhushyand, Partner, Aurum Toolings & Pressings, Tiruvallur, participated and discussed about possible cooperation with the Department .
- Third year Aeronautical Engineering students(Batch: 2012) visited Satish Dawan Space Centre, ISRO, Sriharikota, on 09.09, 2015.

SOCIETY ACTIVITIES :

- Guest lecture on ‘Software Architecture in Aviation Industry’ was delivered by Mr. Shawakat Ali, Director, Rathna Machines Pvt. Ltd. – Delhi on October, 10, 2015.
- Guest lecture on ‘Aircraft Maintenance Practices’ was delivered by Wg.Cdr (Retd.) Showkat Ali K. on October 27, 2015.

DEPARTMENT OF AUTOMOBILE ENGINEERING

AUTOMOBILE ENGINEERING

WORKSHOP ORGANIZED:

- One day workshop on Mobility safety was organized on 8th September 2015. Mr. Karthikesan, Head –After Seles Division from Zulaikha Motors., Mr. Mr. P. Baskaran, Regional Transport Officer, Dr. Shah Dupesh Khan, CEO, Shabeel Honda., Dr. G. Uma Devi, Professor, Division of Transportation Engineering were the guests speakers .



GUEST LECTURE CONDUCTED

- Guest lecture on Quality system in industry on 26th March 2015. Mr. V.P. Ranganathan Engineering leader (Special Projects) from Simpson.
- Special lecture Automotive Chassis delivered to Automobile students by Dr. M. Subramanian, Professor & Head on 5th March 2015.
- Dr. M. Subramanian, Professor & Head , presented a lecture on Centre of Gravity delivered to School students Summer internship program school students organized by School of physical & chemical Science on 4th May 2015.
- Crescent Society of Automobile Engineers of Department of Automobile Engineering organized a special lecture by Dr. Peter Brooks – School of Mechanical Sciences – University of Leeds UK to B. Tech Automobile and Mechanical Engineering students on 11th September 2015



PARENTS TEACHERS MEETING CONDUCTED

- Parents & Teacher meeting conducted on 01.08.2015,
- 50 parents reported HOD presented the rules, regulation,
- attendance and evaluation. Parents discussed with class
- teachers about students performance. Parents signature
- obtained in the counseling forms.



SOCIETY ACTIVITIES

- The Society inauguration was organized by Crescent Society of Automotive Engineers was held on 10.08.2015. The Chief guest for the program was Mr. P. Arjun Raj, Senior Engineer, Engines Research Development, Mahindra & Mahindra Ltd.



CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED :

- ❖ Automobile all faculty members attended the faculty training program for a period of 4 days from 13th July to 16th July 2015.
- ❖ Mr. S. Karthikeyan has attended the 2 days workshop “Workshop on Practical Aspects of CFD” in School of Aeronautical sciences at Hindustan University on 6th and 7th February 2015.
- ❖ Mr. N. Rajmohan and Mr. S. Karthikeyan are two faculty members has attended the one day workshop on “Quality Assurance in Academic and Sponsered Research” at conducted in Dean (Academic Research) at B.S.A.U on 7th March 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS &

National Conference	International Conference	National Journal	International Journal	Total
-	2	-	3	5

International Journal

S. No.	Authors as appeared in the publication	Publication Title	Journal Title	Volume No.	Issue No.	Page Nos.	Month & Year of Publication
1	Mr. P. Arjunraj, Senior Engineer, Engines – Research & development, Mahindra & Mahindra Ltd, Dr. M. Subramanian , Professor and Head, Dept. of Automobile, B.S. Abdur Rahman Univesity, Mr. N. Rathina Prakash, Design Engineer, CADD centre	Analysis and Comparison of Steel Piston over Aluminium Alloy piston in four stroke multicylinder Diesel Engine	International journal of emerging technology and advanced engineering	5	12	116 - 122	Dec 2015
2.	Mr. C.K. Arvinda pandian	Investigation of Mechanical properties of natural fiber reinforced polymer matrix composite using china clay as filler material	International journal for science and advance research in technology	2	1	-	1 st January 2016
3.	Mr. C. K. Arvinda pandian	Mechanical and durability properties of UHSGC using industrial waste	International journal for science and advance research in technology	2	1	-	1 st January 2016

International Conference:

S. No	Authors as appeared in the presentation	Presentation Title	Conference Title	Page Nos.	Month & Year of Proceedings
1	P.D. Jeyakumar, Department of Mechanical Engineering, BSAU., Prabu Krishnasamy , Department of Automobile Engineering, BSAU., Dr.G. Devaradjane, Department of Automobile engineering, MIT, Anna University,	Crashworthiness Investigation of Chassis type intercity bus body structure	International conference	92-96	15 th & 16 th October 2015
2.	H. Siddhi Jailani, Department of Mechanical Engineering, BSAU. Mr. C.K. Arvinda Pandian , Department of Automobile Engineering, BSAU	Investigation and development of polymer composite incorporated natural fabrics: Just and linen	Central Institute of Plastics Engineering and Technology	105	14 th February 2016

SPECIAL RESEARCH LABORATORIES CREATED:

- **Research laboratory setup** in progress Computer based water cooled diesel engine test rig with eddy current dynamometer is purchased. (Rs. 6,30,000/-)

ACHIEVEMENTS OF STUDENTS

:

The following final year students are placed details as furnished below,

(Batch : 2011 – 2015)

S. No	RRN	Name of the Students	Name of the company
1	110121101011	Mohammed Mutahar.K	Infosys
2	110121101003	Ahmed Thaha.A	L & T

3	110121101021	T.Thanveer. A.Ahmed	Shabeel Honda
4	110121101002	Afsar Mohamed. A	Shabeel Honda
5	110121101019	Syed Muhammed Tameem Ahmed	Shabeel Honda

Current final year students (Batch: 2012 – 2016)

S. No	RRN	Name of the Students	Name of the company
1	120121601003	A. Ahamed Sulaiman Shameem	Infosys Technology
2	120121601046	N. Sadaksharan	WIPRO Technologies
3	120121601013	H. Gopikrishnan	WIPRO Technologies
4	120121601034	A.K. Mohammed Issam	Cognizant Technology
5	120121601009	C.G. Chandira Prawin	Cognizant Technology

- ❖ K.S. Krishna Preethi B. Tech final year Automobile students participated in international development design summit and designed a kit for kids towards prevention of road traffic accidents (Kids safety) from 6th July 2014 to 3rd August 2015



- ❖ P.S. Saju joseph of third year B. Tech student (Batch: 2013 – 2016) inplant training in Integral coach Factory on 09.06.2015 to 16.06.2015.

- ❖ Final year B. Tech Automobile student (Batch: 2012 - 2016) participated and win the Positions in **the 5th South India Yogasana Championship-2015** organized by Padmam Yoga and Natural living development Trust Co-organized by Tamilnadu sports Yogasana Association held at Madipakkam, Chennai on 26th July 2015.



- ❖ **Mr. Ahmed Thaha** , Final year B. Tech Automobile Engineering (Batch: 2011 – 2015) received a **Best Student Award**



- ❖ **Automobile students B. Tech Final year students (Batch: 2012 -2016)** K.S. Krishna Preethi, Karthikeyan.A.C., Kithir Kareeb Navaz. A Santhosh.S **partipated and secured 31st rank in all over India in the Virtual BAJA SAEINDIA 2015**, organized by SAEINDIA on 10th & 11th July 2015 at chitkara University, Punjab.
- ❖ **Automobile students B. Tech Final year students (Batch: 2012 -2016)** K.S. Krishna Preethi, A.C Karthikeyan., A. Kithir Kareeb Navaz, S. Santhosh., **partipated and secured 26th rank in all over india in the main BAJA SAEINDIA 2015**, organized by SAEINDIA from 16.02.2016 to 21.02.2016 (for 6 days) at Pithambur ,Indore.
- ❖ B. Tech Automobile Final year students(Batch: 2011 -2016) Mohamed Irfanuddin, A.C. Karthikeyan, Aashiq Rahman participated in the SAEINDIA Northern section **Efficycle 2015 Virtual round** at Indore on 1th &12th July 2015.
- ❖ Final year student Mohammed Irfannuddin (Batch: 2012 -2016) has **participated in dynamic round of Asia's largest solar event in Electric Solar vehicle championship 2014 -2015 organized by Imperial society of Innovative Engineers** from 17th March 2015 to 19th March 2015.
- ❖ B. Tech Automobile Final year students Mohammed Irfannuddin, Musthaq (Batch: 2012 -2016), Third year students Jaiganesh, Akash, Ameer Fazulu (Batch : 2013 - 2017) and Harini, Javidh (Batch: 2014 -2018) has **participated in workshop on "Go Kart Design and Development"** organized by Imperial Society of Innovative Engineers(ISIE) from 27.02.2016 to 28.02.2016.

DEVELOPMENTAL ACTIVITIES :

Laboratory Development

1. **Two & Three wheeler laboratory is developed with** equipments like Shock absorber, leaf spring test, AVL 5 gas analyzer are purchased.
2. **Engine components laboratory** augmented with Components like four cylinder SI engine, and inline diesel engines are purchased.
3. **Fuels & Lubricants laboratory** equipments like Cleveland Flash & Fire point Apparatu, Red wood viscometer, Aniline point apparatus, Reid vapour pressure Test apparatus, Bomb clairoimeter, Carbon Residue Apparatus (conrason), Distillation apparatus, copper strip corrosion test apparatus, ash content test apparatus, saybolt viscometer are purchased.
4. **Automotive electronics laboratory** is equipped with following components Gasoline engine electronic control system training panel, Charging system training panel, Startup system training panel.
5. **Engine testing emission laboratory** is equipped with following components Smoke meter, Four stroke single cylinder petrol engine trainer, Four stroke with twin cylinder kirloskar diesel, Stage compressor with 250 liter tank capacity, Four stroke four cylinder petrol engine trainer.

INDUSTRY / INSTITUTE COLLABORATION :

- ❖ Our University organized an Industry institute meet on 10th October 2015, Dr. M. Subramanian, Professor & Head, presented institute activities and industrial association to industrial delegates. Discussion was carried out for continued interaction to enhance industry institute activities.



❖ Industrail visit

- ❖ Final year and second year Automobile Engineering students(Batch: 2011 & 2013) visited Integral Coach Factory, Perambur on 8th April 2015
- ❖ Third year Automobile Engineering 25 students (2012 Batch) and two faculty members visited Delphi TVS on 26th March 2015.
- ❖ Industrial visit to Shabeel Honda on 4th September 2015 for Automobile Engineering Third year students was organized .
- ❖ Automobile Second year (Batch: 2014 -2018) students & 2 faculty members industry visit to Ashok Leyland, Ennore on 8th October 2015.



SOCIETY ACTIVITIES:

- ❖ Summer internship program for school students organized by School of physical & chemical science in B. S. Abdur Rahman University during 4th May to 18th May 2015 **Dr. M. Subramanian**, Professor & Head, Department of Automobile Engineering delivered a guest lecture on Centre of Gravity to 10th standard School students on 4th May 2015.
- ❖ The Society inauguration was organized by Crescent Society of Automotive Engineers was held on 10.08.2015 . The Chief guest for the program was Mr. P. Arjun Raj, Senior Engineering, Engines Research Development, Mahindra & Mahindra Ltd.



- ❖ Visit of BOARD OF DIRECTORS of SAE International , Society of Automotive Engineers, to B S ABDUR RAHMAN UNIVERSITY on 20th January 2016 and inauguration of KRT - KNOWLEDGE ROUND TABLE at BSAU, a wonderful event. The visiting SAE delegation include Mr.Daniel M Hancock, President, SAE, Mr.Ron Rath, Chief Executive Officer,TECAT Performance systems,Prof.Carla J Bailo, Asst Vice President for Mobility Research and Business Development, The Ohio State University, Mr.Patrick Leteinturier, Fellow, Automotive Systems, INFINEON, Mr.Douglas E Patton, Executive Vice President and Chief Technical Officer, Denso International America,INC .



IMPORTANT VISITORS

- ❖ Mr. V.P. Ranganathan, Engineering leader (Special Projects) from Simpson

- ❖ Mr. P. Arjun Raj , Senior Engineering, Engines Research Development from Mahindra & Mahindra Ltd.
- ❖ Mr. Karthikesan, Head – After Sales Division from Zulaikha Motors.,
- ❖ Mr. P. Baskaran from Regional Transport Officer.
- ❖ Dr. Shah Dupesh Khan, CEO, from Shabeel Honda.,
- ❖ Dr. G. Uma Devi, Professor, Division of Transportation Engineering
- ❖ Dr. Peter Brooks – School of Mechanical Sciences – University of Leeds UK
- ❖ Dr. K. Arunachalam, , Associate professor, Department of Automobile Engineering in MIT, Anna University
- ❖ Dr. V. Ganesh, Associate Professor, Department of Automobile Engineering in Sri Venkateswara college of Engineering
- ❖ Dr. M. Senthil kumar, Associate professor, Department of Automobile Engineering in MIT, Anna University.
- ❖ Dr. Nedunchezian, Associate professor, Department of Automobile Engineering, in IRTT
- ❖ Dr. Sivanandi Rajadurai, President & CEO and Head R &D, Sharda Motor Industries Ltd, Mahindra world city.
- ❖ Dr. K. Annamalai, Associate Professor, Department of Automobile Engineering, MIT campus, Anna University.
- ❖ Dr. K. Mala Mohan, Assistant Professor, Department of Mechanical Engineering, AUFRG –ICC, Anna University.
- ❖ Dr. V. Muthupandi, Professor, Department of Metallurgical and Material Engg, National Institute of Technology

ANY OTHER INFORMATION

Special Lecture delivered:

- Dr. M. Subramanian, Professor & Head, Automobile Engineering, special lecture delivered to all faculty members & Research scholars Research Forum lectures on 13.02.2016.
- Dr. M. Subramanian, Professor & Head, Special lecture delivered to school students on 16th October 2015 (Motivational lecture career guidance in Engineering Education).

DEPARTMENT OF POLYMER ENGINEERING

POLYMER ENGINEERING

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Following faculty members attended **“Quality Assurance in Academic and Sponsored Research”** workshop in B.S.A University on 7th March 2015.
 - Mr.Basantha Kumar Behera
 - Mr.D.Muralimanohar
 - Mrs.S.Vijayarani
 - Mrs.R.Daulath Banu
 - Ms.K.P.Sindhu

- **Mrs.R.Daulath Banu** attended a workshop on **“Current Developments in Physics and its Applications”** organized by Department of Physics of B.S.A University on 19th March, 2015.
- Following faculty members attended **“National level workshop on Analytical Techniques for Research in Chemistry – 2015”** at B.S.A University on 21st & 22nd April 2015.
 - Mr.Basantha Kumar Behera
 - Mr.D.Muralimanohar
 - Mrs.R.Daulath Banu
 - Ms.K.P.Sindhu

- Following faculty members attended workshop on **“Women Academic Managers: Challenges and Approaches”** at B.S.A University on 29th April 2015.
 - Mrs.J.Shahitha Parveen
 - Mrs.S.Vijayarani
 - Dr.S.Shamshath Begum
 - Mrs.R.Daulath Banu
 - Ms.K.P.Sindhu

- Following faculty members attended 5 days faculty training on **“Ansys Design Modeler and Mechanical”** from 4th – 8th May 2015 organized by department of Mechanical Engineering at B.S.A University.
 - Mr.Basantha Kumar Behera
 - Mr.D.Muralimanohar
 - Ms.K.P.Sindhu

- Mrs.J.Shahitha Parveen attended one week Faculty Development Program on **“Research Methodology and Data Analysis using SPSS and AMOS”** organized by Crescent Business School during 4th -8th May, 2015.

- Mrs.J.Shahitha Parveen and Mrs.R.Daulath Banu attended **“The Awareness workshop on Intellectual Property Rights”** on 29th August, 2015.
- Following faculty members attended one day National Conference on **"Career Choices of B School Students: Discover the Pride"** organized by Crescent Business School at B.S.A University on 6th October, 2015.
 - Dr.S.Shamshath Begum
 - Mrs.J.Shahitha Parveen
 - Mrs.S.Vijayarani
 - Mrs.R.Daulath Banu
 - Ms.K.P.Sindhu
- Following faculty members attended one day workshop on **“Preparing Technical Teachers for Optimal Classroom Delivery through English Language”** at B.S.A University on 28th October, 2015.
 - Mr.Basantha Kumar Behera
 - Mr.D.Muralimanohar
 - Mrs.J.Shahitha Parveen
 - Mrs.S.Vijayarani
 - Dr.S.Shamshath Begum
 - Mrs.R.Daulath Banu
 - Ms.K.P.Sindhu
- Mr. Basantha Kumar Behera and Mr. D.Muralimanohar attended one day workshop on **“Tiecon Chennai Master Class Programme”** organized by B.S.A University on 31st October, 2015.
- Following faculty members attended one day workshop on **“Successful Proposal writing for funding Agencies”** organized by Centre for Energy Research and Studies and department of Mechanical Engineering of B.S.A University during 12th January , 2016.
 - Mrs.J.Shahitha Parveen
 - Mrs.S.Vijayarani
 - Dr.S.Shamshath Begum
 - Ms.K.P.Sindhu
- Mr.Basantha Kumar Behera and Mr. D.Muralimanohar attended two days workshop on **“Engineering Design Process”** organized by SAE Southern region and department of Mechanical Engineering at B.S.A University during 8th – 9th January, 2016.
- Following faculty members attended one day workshop on **“GIFT YOURSELF”** organized by Women Empowerment cell at B.S.A University on 18th January, 2016.
 - Dr. S.Shamshath Begum
 - Mrs .R.Daulath Banu
 - Mrs. S.Vijayarani
 - Ms.K.P.Sindhu

- Dr.S.Shamshath Begum and Mrs.S.Vijayarani attended two days Faculty Development Program on **“Creative Thinking”** organized by B.S.A University during 20th – 21st January, 2016.
- Mr.D.Muralimanohar attended one day workshop on **“ICTACT DIGITAL YOUTH SUMMIT 2016”** organized by ICTACT of our University on 30th January, 2016.
- Dr. S.Shamshath Begum and Mrs.R.Daulath Banu attended one day workshop on **“Apple Professional Development”** organized by BSA University, Apple iOS APPLICATION Development Centre on 6th February, 2016.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference / Symposium	International Conference	National Journal	International Journal	Total
5	5	-	4	14

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

- K.P.Sindhu & Dr.S.S.M.Abdul Majeed, **“Studies on super capacitor using blend of polypyrrole and polyvinylidene fluoride as electrolyte”**, International Journal of Infinite Innovations in Engineering and Technology, Vol.2, Issue1, pp 133-145, May 2015.
- M.Jidhendra Kaleeswar, J.Jerin Savio, S.Shamshath Begum, S.S.M.Abdul Majeed, S.Vijayarani and R.Gayathri, **“Studies on flexible polyurethane foam with improved flame retardancy. A study on the effect of flame retardant in flexible PU foam”**, International Journal of advance Engineering and Research Development, Vol.2, Issue 5, May 2015.
- S. Shamshath Begum, N.Vedaraman, S.V.Srinivasan, R.Rengasamy, Kurinji Malar, G.Kavitha, S.Vijayarani, **“Phycoremediation of Tannery Dye Wastewater using Green Microalga: Bioremediation of Tannery Dye Wastewater”**, Climate Change, The International Quarterly journal, Vol.1, Issue 3, pp 192-197, July 2015.
- D. Mukundana*, R. Mohankumar, R. Vasanthakumari, **“Green Synthesis of Silver Nanoparticles using Leaves Extract of Bauhinia tomentosa Linn and its invitro Anticancer Potential”** International Conference on Nano Science and Engineering Applications, ICONSEA 2014, Proceedings 2, pp 4309 – 4316, 2015.

SPONSORED RESEARCH (ONGOING / APPLIED)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
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	Ongoing
2	Dr.R.Vasanthakumari & Mr.D.Muralimanohar	DST	Conducting carbon metal nanocomposite from yard waste (waste leaves) for electrode and capacitor applications.	Rs.53.54 lakhs	Applied

PATENTS (OBTAINED / APPLIED)

Title of the patented work	Inventor (or) Assignee	If it is a joint patent, give the names of the co-assignees	Filing date
Porous Hydrophobic Polymer Composite for Separation of Oil from Oil spills in Water and Preparation Method	Dr. R. Vasanthakumari	Mrs.R. Daulath Banu, Ms.R. Gayathri, Mr.S.Vikram	Dec 2015

ACHIEVEMENTS OF STAFF

- Mrs.J.Shahitha Parveen received a certificate of appreciation for having actively involved as the WEC – Department co-ordinator during the activities of Women Empowerment cell of our University.

ACHIEVEMENTS OF STUDENTS

Paper Presentation

S.No	Author	Paper Title	Name of the conference	Place	Date
1	M.Jidhendra Kaleeswar, J.Jerin Savio - IV th Year	Received 1 st prize for the paper titled "Comparison of the Effect of Different Types of Flame Retardant incorporated in Flexible Polyurethane Foam "	National Level Technical Symposium (Poly ERA 2015)	ANNA University, Chennai	13 th March, 2015

2	Jidhendra Kaleeswar, Jerin Savio - IV th Year	Received Ist prize for the paper titled "A Scientific Remedy of Assimilating Flame Retardant Characteristics in Flexible Polyurethane Foam"	National Level Technical Symposium (CHEMFLUX 2015)	SRM University, Chennai	21 st – 22 nd March, 2015
3	N.Munwar Ahmed and B.Tanveer Ahamed- II nd year	Received IIIrd prize for the paper titled "Studies on nylon 6,6\SEBS-g-MA Nanocomposites"	CHEMFLUX'15 Technical Symposium	SRM University, Chennai	23 rd – 25 th March, 2015
4	N.Munwar Ahmed and Ashitosh R. Jain- III rd year	Received IInd prize for the paper titled "Development on Mechanical Properties of Recycled Polypropylene Blended with Virgin Polypropylene"	TEPIC'15 National Level Technical Symposium	Department of Plastic Technology, CIPET, Chennai	11 th September, 2015
5	Mohammed Asmathdeen, Mohammed Mohishin and Faizal Ali - II nd year	Received IIIrd prize for the paper titled "Improvement of Tribological Properties using Nano Fillers"	TEPIC'15 National Level Technical Symposium	Department of Plastic Technology, CIPET, Chennai	11 th September, 2015

Awards

1. M.S. Kursheed Hussain and Mohamed Iqbal, IV yr PT, received an award of "**Chennai No.1 Blood Donation Team**" from Parivu Magazine on 23rd May 2015.
2. M.S. Kursheed Hussain and Mohamed Iqbal, IV yr PT, received an award of "**Earn Wings**" from Parivu Charitable Trust on 23rd May, 2015.
3. M.S. Kursheed Hussain and Mohamed Iqbal, IVth yr PT, received an award of "**Blood donation Motivation**" in Thanjavur District on 26th December, 2015.
4. M.S. Kursheed Hussain, IVth yr PT, received an appreciation "**Voluntary of Blood Donation camp**" from Sree Balaji Medical College on 1st October, 2015.



5. M.S. Kursheed Hussain, IVth yr PT, received “**Best NGO award**” from NGO summit Coimbatore on 12th November, 2015.
6. M.S. Kursheed Hussain, IVth yr PT, received an appreciation of “**Highest Blood donors in year – 2015**” from Right Hospital on 20th November, 2015.
7. M.S. Kursheed Hussain, IVth yr PT, received an appreciation of “**Spirit of Chennai**” from Noble Hospital on 1st January, 2016.



8. Mohamed Iqlas, IVth yr PT, received an appreciation of “**Spirit of Chennai**” from **Noble Hospital** on 1st January, 2016.



9. M.S. Kursheed Hussain, IVth yr PT, received an appreciation of “**Flood relief and rehabilitation**” from Islamiya Kalvi Kulumam on 13th January, 2016.



10. M.S. Kursheed Hussain, Mohamed Iqlas, A. Logesh Kumar, IVth yr PT and N. Munwar, IIIrd yr PE, received an award of **AIM Abdul Kalam award** on 26th January, 2016.
11. M.S. Kursheed Hussain, Mohamed Iqlas, A. Logesh Kumar, IVth yr PT and N. Munwar, IIIrd yr PE, received an appreciation of **Chennai Next** on 10th January, 2016.



12. M.S. Kursheed Hussain and Mohamed Iqlas, IVth yr PT, received an appreciation of **Eeram** on 15th January, 2016.



13. M.S. Kursheed Hussain, Mohamed Iqlas, A. Logesh Kumar, IVth yr PT and N. Munwar, IIIrd yr PE, received an appreciation of “**Flood relief work**” from Arappor Iyakkam on January, 2016.
14. M.S. Kursheed Hussain, IVth yr PT, received an award of **Annai Therasa Peace award** in Salem on 14th November, 2015.
15. M.S. Kursheed Hussain, IVth yr PT, received an appreciation of “**Vellaththai Vendra Manithaneyam**” from United Media Forum on 31st January, 2016.



Workshop attended by students

- **The final year** B.Tech Polymer Technology students attended QEEE (Quality Enhancement in Engineering Education) program in the module **Chemical Reactor Design** of the course Chemical Reaction Engineering delivered by Dr.K.Krishnaiah, IIT Madras on October, 2015.
- **The final year** B.Tech Polymer Technology students attended one day National conference on "**Career Choices of B School Students: Discover the Pride**" held on 6th October, 2015.
- **The Third year** B.Tech Polymer Engineering students attended three days QEEE (Quality Enhancement in Engineering Education) program in the module **Fundamental Concepts in Fluid Mechanics** of the course Fluid Mechanics delivered by Dr.Suman Chakraborty – IITKGP, on 16th -18th February, 2016.

- The following B.Tech Polymer Engineering students attended one day workshop on **“ICTACT DIGITAL YOUTH SUMMIT 2016”** organized by ICTACT at B.S.A University held on 1st February, 2016.
 - ✓ N.Sajitha, A.Greeshmah, M.K.Rahameth Jaan, A. Renosha, S. Rahima Banu, S.Noor Zahara Faheema, P.Thilagarajan, K. Mohamed Aejaaz - IVth Year.
 - ✓ S.H.Shabeeruddin, N.Munwar Ahamed – IIIrd Year.
 - ✓ P.S.Ramanathan – IInd Year.
- The following Ist Year B.Tech Polymer Engineering students attended one day Colloquium on **“Emerging Theories and Applications in English Literature and Language Teaching Research”** organized by the Department of English of B.S.A University held on 13th February, 2016.
 - ✓ S. Mohammed Shinaz
 - ✓ Mohammed Thaseen Ahmed
 - ✓ M.S. Harishkumar
 - ✓ Azeez Taher

Students Research Activity

- **Mrs.N.Jayachitra** had submitted the thesis titled **“Studies on Development and Characterization of Polypropylene Based Biocomposites”** and completed her Ph.D examination for the award of Doctor of Philosophy in Polymer Engineering on 5th October, 2015 at B.S.A University under the guidance of **Dr. R. Vasanthakumari**, Director, Polymer Nanotechnology Centre, B.S.A University.
- **Ms.S.Shamshath Begum** had submitted the thesis titled **“Studies on Decolourisation of Tannery Dye Wastewater”** and completed her Ph.D examination for the award of Doctor of Philosophy in Faculty of Technology, Anna University, Chennai on 18th August, 2015.
- **Mr. M. Dhakshnamoorthy** had submitted the thesis titled **“Studies on Carbon Nanotube and Graphene Oxide Reinforced Polyimide Electrospun Nanofiber Composites”** and completed his Ph.D Viva-voce examination for the award of Doctor of Philosophy in Polymer Engineering on 10th February, 2016 at B.S.A University under the guidance of **Dr. R. Vasanthakumari**, Director, Polymer Nanotechnology Centre, B.S.A University.

INDUSTRY / INSTITUTE COLLABORATION

Dr. R. Vasanthakumari, Director, Polymer Nanotechnology Centre is carrying out a Industrial Consultancy Project on “**Rubber Waste to Value added Product**” from Emerald Tyres Company.

IMPORTANT VISITORS

Dr. David Jenkins, Lecturer, Faculty of Science and Engineering, Plymouth University, U.K visited Polymer nanotechnology center on 15th December, 2015 and discussed about the **Innovation Project schemes** for joint collaboration with our university.



ANY OTHER INFORMATION

1) Special Lectures

Special Lectures Delivered by Guest

- **Dr. Aravind Kumar Chandiran**, Post-Doctoral Fellow, Department of Chemistry, University of California, Berkeley, delivered a lecture on “**Electron Transfer Dynamics in Solar Cells**” at our university on 24th September, 2015.

Special Lectures Delivered by Faculty

- **Dr.R.Vasanthakumari** delivered a lecture on “**Instrumentation for Identification of dispersed nano and sub-micro particles using light scattering technique**” in the International Conference APM 2015 at IISC Bangalore during 19 -20 Feb 2015.
- **Dr.R.Vasanthakumari** Director, Polymer Nanotechnology Centre, B.S.A University delivered a lecture on “**Electrospun High Temperature Resistant Polyimide Nanocomposite Fibres**” at University of California, Davis on 31st July, 2015.
- **Dr.R.Vasanthakumari** Director, Polymer Nanotechnology Centre, B.S.A University delivered a lecture on “**Studies on Silver and Gold Nanoparticles Synthesized from Bauhinia Tomentosa Linn Leaves Extract and their Efficacy in Sustained Release for Antimicrobial and Anticancer Activity**” at CIPET, Ahmadabad on 13th February, 2016.

2) Conference Presentations

S.No	Author	Paper Title	Name of the Conference	Place	Date
1.	K.P.Sindhu	Studies on HDPE/LLDPE blend and Nanocomposites for drip tape application in agricultural fields.	Advances in Plastics and Rubber Technology – APART 2015	MIT, Anna university	10 th -11 th April, 2015
2.	Jidhendra Kaleeswar, Jerin Savio, Dr.S.S.M. Abdul Majeed , Dr.S.Shamshath Begum and Mrs.R.Gayathri	Studies on Effect of Nanofiller Flame Retardant in Flexible Polyurethane Foam	National Conference MIT (APART 2015)	MIT Chennai	10 th – 11 th April, 2015
3.	D. Mukundan	Evaluation of Antioxidant and Anticancer Efficiency of Aqueous and Ethanol Extract of Bauhinia Tomentosa Linn Leaves	International conference on Chemical and Environmental research (ICCER 2015)	Department of Chemistry, Jamal Mohamed College, Tiruchirappalli	17 th December, 2015
4.	D. Mukundan, S. Vikram, R. Vasanthakumari	Studies on Electrospun PVA Nanofiber – Green Synthesized Ag Nanoparticle Composite for Sustained Drug Release and Antibacterial Activity	International conference on Recent Trends in Analytical Chemistry (ICORTAC-2015)	Department of Analytical Chemistry, University of Madras, Chennai	28 th – 30 th December, 2015
5.	K. Ramar, D. Mukundana, R. Vasanthakumari	Hydrothermal Synthesis of Silver Nanoparticles using Aqueous Extract of Bauhinia Tomentosa Leaves	International conference on Recent Trends in Analytical Chemistry (ICORTAC-2015)	Department of Analytical Chemistry, University of Madras, Chennai	28 th – 30 th December, 2015

3) Industrial Training for Staffs

Mr. D.Muralimanohar, Assistant Professor, Department of polymer Engineering, B.S.A University had completed his Industrial Training in “**Tyre Manufacturing and Testing**” at Apollo Tyres Ltd, Chennai from 18th – 23rd January, 2016.

4) Industrial Visits

S.No.	Year	Name of the Industry	Date of visit
1.	Third & Final	Packaging India Ltd , Pondicherry	25.03.15
2.	Second & Third	Formulated Polymers, Chennai	09.04.15
3.	Third	Pallavaram Tanners Industrial Effluent Treatment Company	30.10.15



Industrial Visits to Packaging India Ltd, Pondicherry



Industrial Visits to Formulated Polymers, Chennai



Industrial Visits to Pallavaram Tanners Industrial Effluent Treatment Company

5) Campus Placement Record

- **Mr.Shankar Rajendra Pillay**, final year B.Tech. student has been placed in **M/s.Amara Raja Battery Limited**, Tirupati.
- **Mr.N.R.Sudharsan** final year B.Tech. student has been placed in **M/s. Haritha Feherar Ltd**, Hosur.
- **Mr. M. Manoj Kumar**, final year B.Tech. student has been placed in **M/s. LEITWIND Shriram Manufacturing, Chennai**.
- **Ms. Noor Zara Faheema**, final year B.Tech. student has been placed in **M/s.Sundaram Auto Components Ltd., Hosur**.
- **Mr. P. Thilagarajan**, final year B.Tech. student has been placed in **M/s. Haritha Feherar Ltd**, Hosur.

CRESCENT SCHOOL OF ARCHITECTURE

CRESCENT SCHOOL OF ARCHITECTURE

TRAINING PROGRAMMES OFFERED:

- Two days Faculty development Programme (FDP) was conducted on “Design Teaching Pedagogy” on 20th & 21st January 2016
- Practical training is given to students of 4th year as part of the curriculum by the registered Architects. Students get acquainted with practical knowledge of Architecture.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED:

- Second year students actively participated in the Hands-on Wooden Workshop on August 29th 2015, which was organized to improve the Skill set of the students in Design & Implementation.
- Bamboo workshop was conducted for 2nd and third year students on October 13th and 14th, 2015 by Ar. Sundaramohan, an expert on working with bamboo.
Spot - Pedestrian walkway to Admin office (near Registrar office)
- Second year & Third year students participated in the Bamboo Construction Workshop where they learnt about alternative sustainable material – The Bamboo and also constructed bamboo arch structures near admin office and in front of CSA.(13th & 14th of Oct 2015)
- One day “Design Learning Pedagogy workshop” was organized for the students by Dr. Harimohanpillai from Trissur, Kerala.
- “Volumetric understanding and appreciation of spaces” – a hands on workshop by Ar. Reeveezee M Antony for the first year students.

GUEST LECTURE ORGANIZED:

- Guest Lecture & Interactive session for the students of Architecture on the “**Journey of Architecture**” on August 25th, 2015 by Ar. Anjana Suresh, Ar. Akhil, Ar. Sreya, Ar. Malavika, Ar. Shahensha, Ar. Nivenika, Ar. Salman and Ar. Parvathy.
- Guest Lecture & Interactive session for the Final year students of Architecture on the topic entitled “**A Global Perspective on Contemporary Indian**”by September 7th 2015 by Dr. Pushpa Arabindoo and Ar. Gilles Delage.
- Guest Lecture & Interactive session for the Final year students of Architecture on the topic entitled “**Sustainability, Housing, Urban Development**” on October 15th, 2015 by Dr. Dr. Akhtar Badshah.
- Guest Lectures on
 - “Contemporary Indian Architecture & Global Perspective” by Dr. Pushpa Arabindoo & Ar. Gilles Delage
 - “Sustainability, Housing & Urban Development” by Dr. Akhtar Badusha
 - “Let’s Play” by Ar. Martina Maria Spies
 - “All Scale matter – Reimagining our Urban Environments” by Ar. Biju Kuriakose

- “Architectural works” by Ar. Murali Murugan
- “Lighting Design aspects” by Ar. Amardeep Dugar
- “Facilities management for Architects” by Mr. Arul Jothi Singaram
- Vernacular Architecture” by Dr. Benny Kuriakose.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED:

- Four of our faculties have attended the National Faculty Development Programme conducted by NIASA & COA, in Sathyabama University, from 29th June to 3rd July 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES:

National Conference	International Conference	National Journal	International Journal	Total
-	-	2	-	2

- Dr.Kiranmayi Raparathi, Asst Prof has published a paper on “Assessing Smart Growth Strategies in Indian Cities: Grounded Theory Approach to Planning Practice.” in the Journal of Urban Planning and Development. (ISSN: 0733-9488), December 2015. Vol: 141. Issue: 4.
- Ar. S.M. Thilakavathi has published a paper on the topic “Role of Public Heritage in shaping the Urban landscape of Chennai, then Madras” in the Journal of Architecture (ISSN: 2249 9326), Dec 2015

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

S.No	Author	Paper Title	Name of the Journal/Vol/Page no./date
1.	Dr. KiranmayiRaparathi. (Assistant Professor)	Assessing Smart Growth Strategies in Indian Cities: Grounded Theory Approach to Planning Practice.	Journal of Urban Planning and Development. (ISSN: 0733-9488), December 2015. Vol: 141. Issue: 4.
2.	Ar. S.M.Thilakavathi. (Assistant Professor)	Role of Public Heritage in shaping the Urban landscape of Chennai, then Madras.	Journal of Architecture (ISSN: 2249 9326), Dec 2015.

ACHIEVEMENTS OF STAFF:

- Paper titled- “Urban Flood Management – A Case Study of Chennai City”, by Ar K.Lavanya, Associate Professor, which was published before three years, has been viewed by more than 19,000 viewers after the Natural Disaster of Flooding of Chennai in Dec 2015. Also, the above said article was quoted in the Centre for Environment & Science in the February Edition.

ACHIEVEMENTS OF STUDENTS:

- Final year students of CSA had won the Best Studio Award ‘Transparence 2015’, conducted by Saint Gobain & Ethos India, which is being widely participated by the students of Many Architectural Institutes.
- Third year student, has bagged second prize in the sketching competition conducted by School of Architecture & Planning, Anna University.

DEVELOPMENTAL ACTIVITIES:

- Climatology Lab, Expansion of Computer lab with more facilities, Workshop space was setup in the department

INDUSTRY / INSTITUTE COLLABORATION:

- Architects who are registered with COA & IIA are absorbing students for practical training for 1 year and also come here & deliver expert lecture on various design topics.

EXTENSION ACTIVITY CONDUCTED:

- **Rural survey** has been organized for 2nd year students of CSA (Batch:2012-2017) as part of academic work at **Nemathanpatti Village @ Karaikudi** in which students will be sensitizing the rural people in various social & economic aspects and also gave proposals such as Primary health care centre, Cultural centre and Community hall.

CRESCENT BUSINESS SCHOOL

CRESCENT BUSINESS SCHOOL

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Organized a seven days workshop on “Research Methodology and Data Analysis Using SPSS and AMOS on 4th- 10th May 2015 at Crescent Business School, B.S. Abdur Rahman University, Vandalur.
- Conducted 3 days faculty development program on “Implementing outcome based teaching, learning” in College of Engineering Trivandrum, Kerala from 16th-18th June 2015.
- National Conference on "Career Choices of B School Students: Discover the pride" on 6th of October 2015 organised by Crescent Business School.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

1. Prof. Chandrika Srinivas, Prof. S.Panboli, Dr. SKG Ganesh attended a National workshop on “Action research programmes essential in social science and business studies” organized by the Department of Business Administration, Sri MALOLAM College of Arts and Science, Madurantakam on 18th March 2015
2. Prof. T.Rocky Devi, Prof. Nirmala Raghav, Prof. Rajapriya. N, Prof. Charlie Thomas .V, Prof. Hemalatha. J, Prof. T Rajeshwari and Research scholars of Crescent Business School, attended one day workshop on “Quality Assurance in Academic & Sponsored Research” in B.S Abdur Rahman University Vandalur on 7th March 2015.
3. Dr. S.K.G Ganesh attended a National workshop on “Data Visualization and its Business Applications” organized by the Department of Management studies, University of Madras in Association with Wilson consulting Private Ltd, on 11th March 2015
4. Dr. S.K.G Ganesh attended a workshop on “Successful Negotiation Skills” organized by Madras Management Association on 4th March 2015
5. S.M Wasiullah and Abu Backar. F attended a National conference on “Poverty Alleviation, Economic Development and Muslims in India”, National conference on Prophet Guidance for modern social issues organized by School of Islamic studies, BSAU , Chennai, 21st March pp. 82-87.
6. Prof. Nirmala Raghavan, Prof. T. Rocky Devi, Prof. J.Hemalatha and Prof. N. Rajapriya attended MMA Cambridge English One day Seminar on "India: a world - class workforce? What's Needed? The Impact of Communication skills on delivering world class services" on 23 April 2015 at Hotel My Fortune, Chennai.
7. Dr.N Anuradha, Dr. S. Panboli and Prof. Chandrika Srinivasan attended a workshop on “Women Academic Managers: Challenges and Approaches, conducted by Women Empowerment cell on 29th April 2015
8. Dr. T. Rangarajan attended two week Faculty development Programme on "Entrepreneurship" sponsored by NSTEDB, Department of Science and Technology, Government of India, New Delhi and organized by PSG- STEP, PSG College of Technology, Coimbatore from 18-29th May 2015.

9. Prof. Chandrika Srinivas attended summer school- Refresher course on Research Methodology in Arts/ Humanities/ Social Sciences from 19th May to 8th June 2015 held by University of Madras- UGC sponsored, Human Resource Development Centre, Chennai.
10. Prof. Charlie Thomas. V, Prof. Hematatha J, Prof. Rajapriya N, Prof. Nirmala Raghavan, Prof. Takhellambam Rocky Devi attended two weeks faculty development program on “teaching and learning” from 29th to 11th July 2015, organized by the Faculty Training Academy at B.S.Abdur Rahman University, Vandalur.
11. Dr. Anuradha N attended a seminar “Money Management” on 13th July 2015 in BSAU.
12. Dr. Haider Yasmeen, Prof. M V Anuradha, Prof. V. Charlie Thomas, Dr S Panboli, Dr L. Aravindh Kumaran and Dr N. Anuradha attended Apple Professional Development Organised by BSAU Apple iOS Application Development centre by Shefali, Bangalore on 6th February 2016 in BSAU.
13. Prof. V. Charlie Thomas and Dr N. Anuradha attended two day workshop on “Demographic changes and its Challenges: An Actuarial Perspective” organized by the Department of Mathematics and Actuarial Science on 12th and 13th February 2016 in BSAU.
14. Dr. Haider Yasmeen, Prof. M V Anuradha and Dr. N. Anuradha attended guest lecture on “Emergence of Islamic Finance Industry in the Global Financial Sector and its Impact: by Dr Shariq Nisar, Mumbai on 12th January 2016 in BSAU.
15. Dr. Haider Yasmeen, Prof. M V Anuradha and Dr. N. Anuradha attended one day workshop on “Mind Matters- Intro talk on Breath, Body and Mind”, organised by women empowerment cell and sports club on 21st January 2016 in BSAU.
16. Dr. Haider Yasmeen, Prof. M V Anuradha attended lecture on “Entrepreneurship Development” by Dr Pavan Gupta, Seattle USA on 12th January 2016 in BSAU.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
2	-	1	3	6

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES: (IEEE format)

1. S. M. Wasiullah, F. Abu Backer and Khalid Waheed, “Application of murabaha contract in microfinance in India and its tax implications”, in *SAHULAT- A Journal of Interest free Microfinance*, vol 3, no. 1, pp. 41-54, June 2015.
2. Charlie Thomas V, “Green Miocrofinance- Beyond 2015”, in *UEF Trade submit proceeding*, Chennai, 2015, pp. 50-51.
3. Khalid Waheed, “A Case for Islamic Micro finance for Self-help groups (SHGS) through NABARD Initiative ”, in *UEF Trade submit proceeding*, Chennai, 2015, pp. 51-52.

4. Nirmala Raghavan and Haider Yasmeen, "Emotional intelligence of yoga and non yoga practitioners – A comparative study", *European Journal of Social Science*, vol. 46, no. 4, pp. 446-456, Feb. 2015.
5. Ilayaraja. S and S.K.G Ganesh, "Encouraging youth Entrepreneurship Education: A way to holster the markets of the future", *International Journal of multidisciplinary researches*, vol. 1, no.2, pp. 28-33, March 2015.
6. Ilayaraja. S and S.K.G Ganesh, "Nurturing entrepreneurship among students", *Third concept- Ann International Journal of Ideas*, vol.29, no. 338, pp. 40-46, April 2015.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

a) RANGE (Impact factor- 0.071 to 1.223) **b) AVERAGE** **c) h-INDEX** **d) NO. IN SCOPUS**

SPECIAL RESEARCH LABORATORIES CREATED

- MSB 6218 Computer & business applications lab
- MSB 6328 Psychometrics & corporate connect lab
- MSB 7102 Data Analysis
- MSB 7212 Sales Negotiation lab

ACHIEVEMENTS OF STAFF

- Dr.S Panboli successfully completed Ph.D Public Viva –Voce on 22nd April 2015
- Dr.Chandrika Srinivas completed Ph.D Public Viva –Voce on 5th February 2016

DEVELOPMENTAL ACTIVITIES

- Computing facility of the school is expanded

SOCIETY ACTIVITIES

- National Conference on "Career choices of B- School students: Discover the pride" on 6th October 2015 in BSAU by Human Resource Development club
- Lecture on "Non performing Assets in Banks" on 19th February 2016 in CBS by the Finance club. Resource Person: Suresh Kumar, IOB manager.

MoUs SIGNED

- Currently working on developing academic working models with Mossoure state university.
- Signed MoU with National Entrepreneurship Network(NEN), Bangalore on 25.02.2016

EXTENSION ACTIVITY CONDUCTED

- Guest lecture in association with Madras Management Association (MMA) on “Financial Strategy” by Raju Iyer. P on 4th March 2015.
- Guest lecture on “Ethics and Values in the changing Business Environment” by Mr. Y. Manohar, Former VP/Director- HR, Vizag Steel plant on 12th March 2015.
- Guest lecture on “The importance of legal knowledge for business professionals” by Mr. Vishnu Prasad, FRSA, CEO and Managing Partner Law Pundits LLP and Law Pundits Limited, London on 13th March 2015.
- Guest lecture on “Managerial skills” as part of MMA chapter by Mr. Joseph Paul on 17th March 2015.
- Guest lecture by Mr. A. Harish, Miles Education, Manager- Business development on 22nd July 2015
- Guest lecture on “Training for placement” by Mr. Peter, Aastral, on 23rd July 2015
- Guest lecture on 'Investors Awareness Program' on 14.9.2015 by Mr. Ramesh Shankar, Resource person from SEBI
- Workshop on 'On-line trading' on 15.2.2016 by Mr. Ramesh Shankar, Resource person from SEBI
- Guest lecture on Entrepreneurship: some emerging Issues by Mr Venkata Subramanian (IIT Alumnus), Founder, e-farm, on 16th Feb 2016.
- Entrepreneurship Awareness program sponsored by DST-NIMAT from 23th- 25th July 2015 at BSAU for MBA II years

IMPORTANT VISITORS

- Mrs. Liji Manoj, Senior HR, Synergy Maritime, Chennai.
- Mr. Prathesh John, Operation Manager, CTS, Chennai.
- Mr. Srinivasan, Auditor, m/s. Sundar srini Sridhar audit office, Chennai
- Mr. Pasupathy, Head, Frontier Business Solutions, Chennai
- Mr. Dinesh, Networking Head, Frontier Business systems (p) Ltd., Chennai.
- Mr. N. Senthil Kumar, Director, Meltivision Inc, Chennai
- Mr. Parthiban K, Manager- facility management, Writer Information management Services

ANY OTHER INFORMATION

- Industrial visit to m/s. IP Rings Ltd, Maraimalai Nagar on 9th and 13th April 2015.
- Industrial visit to m/s. ATV Precision Components (P) Ltd, Maraimalai Nagar on 30th January 2016.
- Industrial visit to m/s. Zaica, Gopalpuram on 30th January 2016.

SCHOOL OF PHYSICAL & CHEMICAL SCIENCES

- **Dept. of Physics**
- **Dept. of Chemistry**

DEPARTMENT OF PHYSICS

PHYSICS

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

1. **CRESCIENCE 2015**, a **National level seminar** was held on 18th March 2015.
2. One day workshop on **Current developments in Physics and its Applications** was held on 19th March 2015.
3. **Summer Internship Programme in Science for School students** was held during May 04-20, 2015 organized by departments of **Physics**, Chemistry and Life science.
4. Two days **National conference on advances in materials science & nonlinear science (AMSN)** held during Feb. 24 & 25, 2016.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

1. **Dr. S. Sathik Basha** has attended a workshop on “**Current Developments in Physics and its Applications (WCDP’15)**”, by 19th march, 2015.
2. **Mr. M.Md.Sheik Sirajuddeen** has attended three day workshop on “**Advances in computational Materials Science**” during 22-25 April 2015 at Central University of Tamilnadu, Thiruvarur.
3. **Dr. J. Thirumalai**, Asst. Prof. attended the Faculty training program organized by the Faculty Training Academy from 29-06-15 to 10-07-15, BSAU, Chennai.
4. **Dr. R. Indirajith and Dr. J. Thirumalai** attended **UGC sponsored orientation programme** organised by Academic Staff College, University of Madras, Chennai during 12/11/2015 to 09/12/2015 obtained ‘**A**’ Grade.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
13	-	-	23	36

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

LIST OF PUBLICATION IN INTERNATIONAL JOURNALS

1. **U. Majitha Parvin, M. Basheer Ahamed**, Nonlinear optical properties of methyl blue dye by Z-scan technique, **Optik - Int. J. Light & Electron Optics**, Vol. 126, pp. 551-553, 2015.
2. **P.Geetha, S.Krishnan, R.K.Natarajan, V.Chidambaram**, Growth and characterization of semi organic nonlinear optical L-Valine Ferric Chloride single crystal by solution growth technique, **Current Applied Physics**, Vol.15, pp. 201 – 207, 2015.

3. K. Rackesh Jawaher, R. Jagannathan, S. Jerome Das, **S. Krishnan**, Optical and spectral studies on pure and europium doped olgite type Na (Sr,Ba) PO₄ ceramics, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Vol. 140, pp. 364 – 371, 2015.
4. R. Krishnan, **J. Thirumalai**, V. Mahalingam, Srinivas Mantha, M. Lavanya, Synthesis, Luminescence and photometric characteristics of Ca_{0.5}La(MoO₄)₂:Ln³⁺ (Ln=Eu, Tb, Dy) phosphors, *J. Mater. Chem. Phys.* Vol. 162, pp. 41–49, 2015.
5. R. Krishnan, **J. Thirumalai**, V. Mahalingam, Srinivas Mantha, Enhanced luminous efficiency in Pr³⁺ activated Ca_{0.5}La(MoO₄)₂ red phosphor with blue excitation for WLED applications, *J. Mater. Sci.: Mater. Electron.* Vol. 26, pp. 8568-8580, 2015.
6. **G.V. Vijayaraghavan, M. Basheer Ahamed**, Tunable Energy Transfer Distributed Feedback Dye Laser using Neutral Red and Crystal Violet Dye Mixture, *Int. J. Chem Tech Res.*, Vol.8, pp. 1088-1095, 2015.
7. P.Geetha, **S. Krishnan**, S. Jeromdas and V. Chithambaram, Growth and Characterization of Urea Ammonium Bromide Nonlinear Optical Single Crystals by Slow Evaporation Technique, *Optik-Int. J. Light & Electron Optics*, Vol. 126, 3962-3964, 2015.
8. M.K Mohanapria, **Kalim Deshmukh, M. Basheer Ahamed**, K. Chidambaram, SK. Khadeer Pasha, Structural, Morphological and Dielectric Properties of Multiphase nanocomposites consisting of polycarbonate, barium titanate and Carbon black nanoparticles, *Int. J. Chem Tech Res.*, Vol.8, pp. 32-41, 2015.
9. Dhananjay Shukla, K.Himabindu, K. Chidambaram, **Kalim Deshmukh, M. Basheer Ahamed**, SK. Khadeer Pasha, Synthesis of CeO₂ nanoparticles via solvothermal route and their application in sensors, *Int. J. Chem Tech Res.*, Vol.8, pp. 46-53, 2015.
10. G. Thangamani, **Kalim Deshmukh, M. Basheer Ahamed**, K. Chidambaram, K. C. Saranya, SK. Khadeer Pasha, Facile Synthesis of Nickel oxide nanoparticles using solvothermal method and their implementation in sensors, *Int. J. Chem Tech Res.*, Vol. 8, pp. 70-76, 2015.
11. SK. Khadeer Pasha, **Kalim Deshmukh, M. Basheer Ahamed**, K. Chidambaram, Structure, Morphology and Dielectric Properties of Lead Oxide (PbO) Filled Polyvinyl alcohol (PVA) Nanocomposites, *Adv. Polymer Tech.*, Vol.15, pp. 44-56, 2015.
12. **Kalim Deshmukh, M. Basheer Ahamed**, S. K. Khadeer Pasha, Rajendra R. Deshmukh, Pundlik R. Bhagat, Highly Dispersible Graphene Oxide Reinforced Polypyrrole-Polyvinyl alcohol Blend Nanocomposites with High Dielectric Constant and Low Dielectric Loss, *RSC Advances*, Vol. 5, pp.61933-61945, 2015.
13. S. Siva Bala Solanki, Rajesh Narayana Perumal, **M. Basheer Ahamed**, Growth and characterization of 2,6-Di-tert-butyl-4-(dimethylaminomethyl) phenol single crystal by the vertical Bridgman method, *J. Crystal Growth*, Vol. 411, pp. 19-23, 2015.
14. **S. Kumaresan and M. Basheer Ahamed**, Nonlinear Optical Properties of Pyronin B Dye by Z-scan technique using Q-Switched Pulsed Nd: YAG laser, *Int. J. Chem Tech Res.*, Vol. 8, pp. 1163-1167, 2015.
15. A. Sathiya Priya, I. B. Shameem Banu, and Murthy Chavali, Influence of (La, Cu) Doping on the Room Temperature Multiferroic Properties of BiFeO₃ Ceramics, *Arabian J. Sci. Engg.*, Vol. 40, pp. 2079-2084, 2015.

16. **A. John peter** and **I.B. Shameem Banu**, Luminescent properties of Tb³⁺ doped CaMoO₄ nanophosphor for fluorescent lamp application, *Int. J. Chem Tech Res.*, Vol.8, pp. 1083-1087, 2015.
17. **Kalim Deshmukh, M. Basheer Ahamed**, A.H. Shah, Mayank Pandey, Girish M. Joshi, Morphology, Ionic Conductivity, and Impedance Spectroscopy Studies of Graphene Oxide-Filled Polyvinylchloride Nanocomposites, *Polymer-Plastic Techn. Engg.*, Vol. 54, pp. 1743-1752, 2015.
18. S. K. Khadheer Pasha, **Kalim Deshmukh, M. Basheer Ahamed**, K. Chidambaram, M. K. Mohanapriya, N. Arunai Nambi Raj, Investigation of Microstructure, Morphology, Mechanical, and Dielectric Properties of PVA/PbO Nanocomposites, *Adv. Polymer Techn.*, Vol. 56, pp. 1470 - 1477, 2015.
19. V. Mahalingam, **J. Thirumalai**, R. Krishnan, S. Mantha, "Up/down conversion luminescence and charge compensation investigation of Ca_{0.5}Y_{1-x}(WO₄)₂:xLn³⁺ (Ln = Pr, Sm, Eu, Tb, Dy, Yb/Er) phosphors", *Spectrochimica Acta Part A: Mol. Biomol. Spec.*, Vol. 152, pp.172-180, 2016.
20. **M. Md.Sheik Sirajuddeen & I.B.Shameem Banu**, "Electronic and Magnetic properties of Cr (V) doped CdN and ZnN- an ab initio study", *Journal of Magnetism and magnetic materials*, **406**, pp. **48-59**, 2016.
21. **R. Indirajith**, M. Rajalakshmi, R. Gopalakrishnan, K. Ramamurthi, Characterization of bismuth selenide (Bi₂Se₃) thin films obtained by evaporating the hydrothermally synthesized nano-particles, *Superlattices Microstruct.*, Vol. 91, pp. 165-172, 2016.
22. **V. Mahalingam, J.Thirumalai**, R. Krishnan, R. Chandramohan, "Controlled Synthesis and Luminescence Properties of Ca_{0.5}Y_{1-x}(MoO₄)₂:xRE³⁺ (RE = Eu, Pr, Sm, Tb, Dy, Yb/Er, Yb/Tm, and Yb/Ho), Phosphors by Hydrothermal Method Versus Pulsed Laser Deposition, *Electron. Mater. Lett.*, Vol. 12, pp. 32-47, 2016.
23. **G.V. Vijayaraghavan, M. Basheer Ahamed**, Enhanced Energy Transfer between Co-dopants Pyronin-Y and Thionine Incorporated into Modified Polymethyl Methacrylate with Addition of ZnO Nanoparticles, *Spectrochimica Acta Part A: Mol. Biomol. Spec.*, Vol. 158, pp. 43-48, 2016.

LIST OF PUBLICATION IN NATIONAL AND INTERNATIONAL CONFERENCE

1. **A. Chithra** and **I. Raja Mohamed**, Synchronization of two chaotic oscillators through threshold coupling, 50th Golden Jubilee of Computer Society of India (CSI) conference, New Delhi, Dec 2-5, 2015.
2. **A. Chithra** and **I. Raja Mohamed**, Experimental synchronization of threshold coupled chaotic oscillators, International conference on Computer Communication and Informatics (ICCCI'16), Coimbatore, Jan 7-9, 2016.
3. **G. Hannah Priya, I. Raja Mohamed** and **A. Chithra**, Design of chaotic system with sinusoidally forced threshold controller, International conference on Computer Communication and Informatics (ICCCI'16), Coimbatore, Jan 7-9, 2016.
4. **V. Mahalingam, J. Thirumalai, M. Syed Gulam Ambia**, R. Krishnan and R. Chandramohan, Photoluminescence of Sm³⁺ activated Ca_{0.5}Gd(WO₄)₂ phosphor for

Solid state lighting applications, Two Days National Conference on Advances in Materials Science And Nonlinear Science (AMSN) February 24 & 25, 2016.

5. **M. Vijayajayanthi**, T. Kanna, M. Lakshmanan, and K. Murali, Realizing COPY gate by using energy sharing collision of bright solitons, Two Days National Conference on Advances in Materials Science And Nonlinear Science (AMSN) February 24 & 25, 2016.
6. **G. Hannah Priya**, and **I. Raja Mohamed**, Study of Chaotic behavior of simplified Lorentz system, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
7. M. Rajalakshmi, **R. Indirajith** and R. Gopalakrishnan, Growth and Characterization of Bis (tetra-ethylammonium) bis (hydrogen L-tartarate) L-tartaric acid monohydrate, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
8. **P. Komalavalli** and **I. B. Shameem Banu**, Investigation of Magnetic properties – Cobalt Ferrite and Barium titanate Multiferroic composites, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
9. **M. Sivakumar**, N. Karthika, P. Kurinjinathan, and V. Santhanam, Growth and characterization studies of PFC doped dye single crystal, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
10. **A. Chithra** and **I. Raja Mohamed**, Study of strange Nonchaotic behavior in a third order autonomous system with threshold controller, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
11. **R. Rizwana** and **I. Raja Mohamed**, Strange Nonchaotic attractors in the perturbed MLC like system, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
12. **U. Majitha Parvin** and **M. Basheer Ahamed**, Measurement of third order nonlinear optical susceptibility of xylydine dye in solid medium using Z-scan technique, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.
13. **Zulaikha**, **I.B. Shameem Banu**, **A. Sathiya Priya** and **S. Divya Lakshmi**, Investigation of ferroelectric properties of BiFeO₃ and Gd doped BiFeO₃, Two Days National Conference on Advances in Materials Science and Nonlinear Science (AMSN) February 24 & 25, 2016.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

a) RANGE: 0.5 – 3.9 b) AVERAGE - 2.2 c) h-INDEX 11
d) NO. IN SCOPUS 134

SPONSORED RESEARCH (ONGOING / APPLIED)

Sl. No	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs in lakhs)	Status
1.	Dr. I. Raja Mohamed	DST SERB	Investigation of Chaotic and strange nonchaotic phenomena in a coupled Nonlinear circuits and systems	32.46	Ongoing
2	Dr. J. Thirumalai	DST SERB	Preparation of rare earth doped molybdate nanostructures using soft chemical route for optoelectronic applications	23.64	Ongoing
3	Dr. I.B. Shameem Banu	DST SERB	Investigation of multiferroic properties of rare earth and transition metal doped Bismuth ferrite for functional applications	23.55	Ongoing
4	P. Komalavalli	DST-WOS-A	Synthesis and characterization of multiferroic nanocomposites for functional applications	14.19	Ongoing
5	Ms. VijayaJayanthi Dr. I.Raja Mohamed	DST SERB	Construction of Optical logic gates using soliton collisions and the study of electrical solitons in nonlinear transmission lines	29.50	(Project sanctioned, amount to be received)
6	Dr. S. Krishnan	DST SERB	Synthesis and Characterization of Perovskite Type Tin Oxide Nanomaterials For Sensing Applications	30	Applied
7	DR. R. Indirajith	DST SERB	Deposition and Characterization of Selenide Thin Films for Solar Cell Applications	30	Applied

BOOK / BOOK CHAPTER PUBLISHED

Rajagopalan Krishnan, **Jagannathan Thirumalai**, Synthesis Luminescence, and magnetic properties of $\text{Fe}_{0.5}\text{Gd}_{0.5}(\text{MoO}_4)_{1.5}:\text{Eu}^{3+}$ novel microstructures, InTech Open Access publisher (2015), Nanoparticles Technology, ISBN 978-953-51-4416-8.

DEVELOPMENTAL ACTIVITIES

Three UG (I-year) labs, one PG (M.Sc-Physics), and a Research lab were completely restructured in order to accommodate students and research scholars respectively.

EXTENSION ACTIVITY CONDUCTED :

Non-Linear Optical Studies and Laser Damage Threshold Studies are doing for the internal and External research Scholars and the fund generated during Mar 2015 to Feb 2016 is Rs.1,00,000/- (Rs. One lakh only).

IMPORTANT VISITORS

1. Dr. M.LAKSHMANAN, Professor of Eminence & DST Ramanna Fellow, DAE Raja Ramanna Fellow, Centre for Nonlinear Dynamics, Bharathidasan University
2. Dr. K. Murali, Associate professor of Physics, Anna University
3. Dr. P. Philominathan, Director – SPCTE, A.V.V.M.Sri Pushpam College, Poondi
4. Dr. A. Venkatesan, Associate Professor, Nehru Memorial College
5. Dr. Seenipandian Ravi, Professor of Physics, IIT Guwahati
6. Dr. P. Murugavel, Associate Professor of Physics, IIT Chennai
7. Dr. K. Porsezian, Professor of Physics, Pondicherry University
8. Dr. Ramajayam Sahadevan, Director & Head in Mathematics, University of Madras
9. Dr. Deivasundari, Associate Professor & Head of EEE, KCG College of technology
10. Dr. S. Moorthy Babu, Director, Centre for Nanoscience & Nanotechnology, Anna University

ANY OTHER INFORMATION

i) Important photographs of the department activities along with caption



Valedictory function of **Summer Internship Programme in Science for School students** was held during May 04-20, 2015 organized by departments of Physics, Chemistry and Life science.



Dr. I. Raja Mohamed, HOD of Physics addressing the school students about the department and its activities during the **Summer Internship Programme in Science for School students** was held during May 04-20, 2015 and the program was co-organized by department of Physics.

TWO DAYS NATIONAL CONFERENCE ON ADVANCES IN MATERIALS SCIENCE AND NONLINEAR SCIENCE (AMSN) FEBRUARY 24 & 25, 2016



DEPARTMENT OF CHEMISTRY

CHEMISTRY

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- The Department of chemistry conducted an Analytical techniques for Research in chemistry **ATRC 2015** on April 21st-22nd, 2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Short term course attended

- Dr. D. EaswaraMoorthy and Dr. K. Karthikeyan attended QIP short-term course on Fluorescence Spectroscopy and its Application conducted by the Centre for Development of Technical Education, IIT Kanpur during November 23-27, 2015.

Workshop Attended:

1. Dr. S. Rani, Prof. of BSAU has participated in science Academics, two days lecture workshop on "Spectroscopy and its application" held on January 27, 2015 at Loyola college, Nungambakkam, Chennai.
2. Dr. J. Herbert Mabel, Ass.Prof(Sr.Gr) has participated in science Academics, two days lecture workshop on "Spectroscopy and its application" held on January 27, 2015 at Loyola college, Nungambakkam, Chennai.
3. Dr. S. Mahasampath Gowri attended "ACS on campus" workshop which was held at University of Madras, Guindy Campus on the 10th February 2015.
4. Dr. D. Easwaramoorthy, Dr. N. Hajarabeevi, Dr. J. Herbert Mabel attended "ACS on campus" workshop organised by Sri Ramachandra university, Porur, Chennai on 11.02.2015.
5. Dr. A. Shajahan and Dr. Revathi Purushothaman have attended two days workshop "Creative Thinking" on 16.06.2015 & 17.06.15 at Institute of Technology, Chennai conducted by ICTACT.
6. Dr. Revathi Purushothaman participated in one day workshop on "Awareness on Intellectual Property Rights" held on 29th August 20145 at BSAU.
7. Dr. Revathi Purushothaman participated in one day workshop on " Mobility Safety" held on 8th September 2015 at BSAU.
8. R.Sasikala, R.Saiharini & Chandru has participated in the training programme on "The state of Art-Analytical Instruments" held on 26th-30th October 2015 at Anna University, Chennai.
9. Dr.D.Easwaramoorthy,Dr.N.Hajarabeevi,Dr.RevathiPurushothaman,Dr.J.Herbert Mabel, Dr.M.Asha Jhonshi,Dr.S.Mahasampath Gowri,Dr.NoorAman Ahrar Mundari attende one day worshop on "Successful proposal writing for funding agencies" on 12.01.16(Energy and related research areas).
10. Dr.S.K.Rani,Dr.Noor Aman Ahrar Mundari,Dr.J.Herbert Mabel have attended the Women Empowerment Cell on 18th January 2016.

Conferences Attended:

- Dr.N.Hajarabeevi and Dr.A.Shajahan has attended in the **National Conference** on Prophetic Guidance for Modern Social Issues”organized by the School of Islamic Studies,BSAU.
- Dr.K.Karthikeyan has attended a UGC sponsored national conference on Frotier Area in chemistry held at Thiyagarajar college,Madurai on Febraury 26th and 27th 2015.
- Dr.J.Elangovan has attended a UGC sponsored national conference on Frotier Area in chemistry held at Thiyagarajar college,Madurai on Febraury 26th and 27th 2015.
- Dr.M.Vajjiravel has attended a UGC sponsored national conference on Frotier Area in chemistry held at Thiyagarajar college,Madurai on Febraury 26th and 27th 2015.
- Dr.M.Vajjiravel has attended Twenty sixth mid year meeting of the Indian Acdemy of Sciences held in Bangalore from 2nd to 4th June 2015. And took part in the scientific programme of lectures and an interaction meeting with fellows and education panel of the academy.

Seminars Attended:

1. D.Gangaprasad, Research Scholar, has attended a UGC sponsored National seminar on drug design at Vaishnav College on 4-5th Febraury 2015.
2. R.Saai Harini, Research scholar attended a seminar titled “Nano Materials for Green processes” held at SSN college of engineering, Dept. of Chemistry.
3. Dr.D.Easawarmoorthy, Dr.S.Kutti Rani, Dr.S.Bhagavathy and Dr.J.Herbert Mabel attended a seminar on Schimadzu food safety seminar series 2016-2015 on 23.09.15 organized by Spinco Biotech Pvt.Ltd at Hotel Ramada, Egmore, Chennai-600013.
4. R.Sasikala, Research Scholar, has attended the seminar on “Bringing the nanoworld together on 3rd and 4th December 2015 at IIT madras, conducted by Oxford Instruments.
5. R.Sasikala, Research Scholar, has presented a paper entitled “UV light active cerium loaded CuO as an excellent photocatalyst for the degradation of TB dyes” on 24th & 25th February 2016 held at Department of Physics, B.S.Abdur Rahman University.
6. M. Chandhru, Research Scholar, has presented a paper entitled “Synthesis and characterization of alkyl methyl imidazolium-trivanado phosphotungstate hybrid materials” on 24th & 25th February 2016 held at Department of Physics, B.S.Abdur Rahman University.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

PAPERS PUBLISHED

National Conference	International Conference	National Journal	International Journal	Total
–	–	1	7	8

PAPERS PRESENTED

National Conference	International Conference	National Journal	International Journal	Total
02	–	–	10	12

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

1. R.Sasikala, Dr.S.Kutti Rani, Dr.D.Easwamoorthy and Dr.K.Karthikeyan paper accepted in RSC Advances title entitled “Lanthanum loaded CuO nano particles ” Synthesis, Characterisation and recyclable catalyst for the synthesis of 1,4-disubstituted 1,2,3-triazoles and propargylamine in the month of June 2015.
2. G.Sridhar, Dr.I.Mohammed Bilal, Dr.D.Easwamoorthy, Dr.S.Kutti Rani and K.Solomon paper accepted “Crystal structure of 3,9,9 – trimethyl-2,3,3a,4,9,9a-hexahydro-1,4-H-Cyclopenta (b) quinolin – 4-ium chloride in the journal of crystallographic communication in the month of June 2015.
3. R.Sasikala, Dr.D.Easwamoorthy, Dr.K.Karthikeyan, Dr.I.Mohammed Bilal and Dr.S.Kutti Rani paper accepted in “Journal of chemicals and pharmaceuticals sciences Title entitled “Oxidative degradation of glycyl-glycine by PMS in the Neutral medium in the month of March 2015.
4. R.Sasikala, Dr.D.Easwamoorthy, Dr.S.Kutti Rani and I.Mohammed Bilal paper accepted in International journal of chem tech research title entitled “Free Radical Mediated oxidative decarboxylation of L-Proline by peroxomonosulphate in neutral medium-catalytic effect of copper(II) in the month of June 2015.
5. Suba Kannaiyan, Easwaramoorthi, V.Andal paper published in International journal of chemtech research entitled Synthesis, characterisation and antimicrobial activities of Schiff base (New fuchin) functionalism silver nanoparticles Vol.2, No.5, pp54-60.
6. Paramshivam sureshkumar, srinivasalu kutti Rani, Deivanayagam Easwaramoorthy papers published in International journal of chemtech research entitled copper(ii) catalysed oxidative deamination of lysine by peroxomonosulphate.
7. Raju Anitha devi, Dr.Deivanayagam Easwaramoorthy, cingaram Ravichandran papers published in International journal of chemtech Research entitled oxidation of 3-carboxy-3-hydroxy pentane dioic acid by N-Chlorosuccinimide in alkaline medium-kinetics and mechanism. Vol.8, No.5, pp-175-182.
8. R.Meenakshi, M.Sundar, Dr.S.Kutti Rani, Dr.I.Mohammed Bilal, Dr.D.Easwaramoorthy paper accepted in European Journal of Inorganic Chemistry entitled “Ionic Immobilization of Silicotungstic acid on amine functionalized zirconia a mesoporous catalyst for Esterification Maleic Acid.
9. A.Kathiravan and M.Asha Jhonsi paper published in the Luminescence entitled “Photoinduced electron transfer reactions of pyranine with benzoquinone and titanium dioxide” in the month of 17th January 2016. DOE. 10.1002/bio.3113.
10. Noor Aman, N.N. das, T. Mishra, Effect of N-doping on visible light activity of TiO₂-SiO₂ mixed oxide photocatalysts, Journal of Environmental Chemical Engineering, Vol. 4, No.1, 2016, pp.191-196.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

- a) RANGE 0.5 to 5.0
b) AVERAGE 2
c) h-INDEX 12
d) NO. IN SCOPUS all the publications

SPONSORED RESEARCH (ONGOING / APPLIED)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. S. Mahasam path Gowri	DST-WOS-A	A non-enzymatic enantioselective design in the Wittig reactions and its applications in the total synthesis of caprolactom as potential antineoplastic agents of marine origin	6.24	Ongoing
2.	Dr.J. Elangovan	DST-SERB	A novel access to indolizidine and quinolizidine alkaloids through stereoselective N-tethered intramolecular cyclopropanation of pyridine	48.70	Ongoing
3.	Dr.D.Easwaramoorthy Dr. S. Kutti Rani Dr.I.Mohammed Bilal	CSIR	Zeozymes as biomimetic catalysts for the treatment of organic pollutants	12.36	Ongoing
4.	Dr. Revathi Purushothaman	DST-SERB	Development of COF/polyimide composites with low dielectric constant for microelectronic applications	23.50	Ongoing
5.	Dr. J. Elangovan	CSIR	Diastereoselective intramolecular	13.70	Ongoing

			cyclopropanation of enol ethers derived from amino acids: a novel access to aza-C-glycosides		
6.	Ms. R. Saai Harini Dr.D.Easwaramoorthy (Supervisor)	DST- WOS-A	Bismuth titanate quantum dots for photovoltaic application	10.20	Ongoing
7.	Dr. K. Karthikeyan	DST- SERB Fast Track for Young Scientists	Applications of gold catalysis for the synthesis of bioactive heterocyclic and natural product mimic	19.66	Ongoing
8.	Dr. M. Asha Jhonsi	DST	Synthesis, characterization and optimization of quantum dots on TiO ₂ surface for quantum dot solar cells	25.00*	Ongoing
9.	Dr. Noor Aman Ahrar Mundari	DST	Development of Graphene-SrTiO ₃ based hybrid photocatalytic system for the production of solar fuels	23.00*	Ongoing
10.	Dr. M. Vajjiravel	DST	Synthesis of novel LBG polymer materials for solar cell applications	27.60	Ongoing

BOOK PUBLISHED

Dr.Revathi Purushothaman has published a book on Mesoporous Silica/ Terpolyimide Composites with Low Dielectric Constant (LAMPART Publishers) March 2015

ACHIEVEMENTS OF STAFF

- ACHIEVEMENTS OF STUDENTS - Ph.D. Thesis Awarded**
 Ms. S. Chithra (4th December 2015), Ms. Crystal Y Wilson (14th December 2015) and Ms. S. *Shanmugakani* (21st December 2015) were awarded Ph.D. Degree from *Anna University under the Supervision of Dr. D. Easwaramoorthy.*

- **Submitted**

Mr. L. Kanniappan submitted his thesis to B.S. Abdur Rahman University *under the Supervision of Dr. D. Easwaramoorthy.*

DEVELOPMENTAL ACTIVITIES

1. The department has purchased DRS-UV –Schimadzu for Rs.9 Lakhs and Photo reactor-Heber Scientific for Rs.1.5 Lakhs under the DST-SERB project of Dr.Noor Aman Ahrar Mundari.
2. The department has purchased Diode Array Spectrophotometer – Elico for Rs.3 Lakhs under the DST-SERB project of Dr. M. Asha Jhonsi.
3. The department has purchased Tubular Furnace for Rs.1.5 Lakhs.
4. The department has purchased Rotary Evaporator-Rs.4 lakhs, Spin Coating-Rs.1.41 Lakhs, Ultra Sonicator –Rs.1.8 Lakhs, Analytical Balance-Rs.69,300/-, Hot Air Oven-Rs.29,925/- under the DST-SERB project of Dr.Vajjiravel Murugesan.

INDUSTRY / INSTITUTE COLLABORATION

The Department organized Industrial Meet 15 Industries participated and the preliminary work is going for executing MOU with some lading Industries.

SOCIETY ACTIVITIES

The Department organized a “State level symposium Creschem” on 14th February 2015.

IMPORTANT VISITORS

1. Dr.M.Easwaramoorthy, Chemistry and Physics of Materials Unit(CPMU), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore gave a Guest Lecture in the topic “Amorphous carbon nano- structure materials for nuclear delivery applications” on 19.09.15 at 2:30pm in Seminar Hall-II of BS Abdur Rahman University.
2. Dr.K.C.Gupta, Professor, Dept. of Chemistry, IIT gave a Guest Lecture in the topic of “Polymer supported Schiff BASE COMPLEXES OF Transition metal on 14.12.15 at 10 am in Seminar Hall-II of BS Abdur Rahman University.
3. Mr.Manish Bhujpal, Manager-Scientific Information gave a scifinder deomonstration on 04.03.15 at 12pm in our university.

SCHOOL OF LIFE SCIENCES

SCHOOL OF LIFE SCIENCE

TRAINING PROGRAMMES OFFERED

Internships offered

Industrial attachment program for students from Universiti Teknologi Mara (UiTM) Samarahan Campus, Sarawak, Malaysia

Four students from Universiti Teknologi Mara (UiTM) Samarahan Campus,, Sarawak, Malaysia has done research internship at school of life sciences between 1st August to 4th September 2015 on phytocompounds and their applications to cure infections and cancer



Name of the student	Name of the guide	Title of the project
Mohammad Hairaze Ezwandy Bin Adenan	Dr.S.Hemalatha	Antimicrobial activity and isolation of active compounds from leaf of the traditional african medicinal tree <i>Kigelia africana</i> (LAM) benth
Mozzarie Shahrayzam Bin Masidi	Dr.S.Hemalatha	Extraction and characterization of phytochemical compounds from <i>Hemidesmus indicus L.</i>
Gerald Grino Apil	Dr.S.Hemalatha	Detection of heavy metals in soil sediments
Dominic Anak Geruka	Dr.S.Hemalatha	Antibacterial and anticancerous efficacy of flavonoids isolated, purified and characterized from various parts of <i>couroupita guianensis</i> .

Summer internship offered in Science for school students

From May 4-22, 2015 B.S.Abdur Rahman University organized free SummerInternship in Science programme for School Students. Out of 30 selected students from various schools, 11 students were done their projects at SLS and the 1st, 2nd and third prizes are bagged by Ms. Santhoshini, Mr. Mothi and Ms. Divya lakshmi respectively



S. No	NAME OF THE STUDENT	NAME OF THE SCHOOL	NAME OF THE SUPERVISOR	TITLE OF THE PROJECT
1	Mohamed Sheik Mothi	Alpha Mat.Hr.Sec.School, Sembakkam	Dr.S.Hemalatha	Testing the efficacy of anti diabetic drug to control the pathogenic bacteria causing diabetic foot ulcer.
2	Divya Lakshmi.K	Sri Vishwa Vidyalaya Hr.Sec.School,Vandalur		Novel method of delivering drugs to control UTI pathogens and testing their efficacy
3	Athira.P.S	Neelan Mat. School, Guduvancheri.	Dr. Karthikeyan. R	Antibiotic susceptibility assay of commercially available three different antibiotic tablets on human pathogen
4	Sakthi Priya.M	Neelan Mat. School, Guduvancheri.		Antibiotic susceptibility assay of commercially available antibiotic on human pathogen
5	Sabeena.B	Ebenezer Mat.School, New Perungalathur.	Dr. Khurshid Alam Khan	Ebola Virus: Unravelling pathogenesis & Treatment Strategies
6	Jeevitha.M	Ebenezer Mat.School, New Perungalathur.	Dr. Soumen Bera	Quantification of polyphenols in common food sources.

7	Pon Dharanieswari.P	Anitha Methodist Hr.Sec. School ,Vepey.	Dr. Neesar Ahmed	Characterization of Blood and Its component.
8	Thejal.H	Ebenezer Mat.School, New Perungalathur.	Dr. Shazia Jamal	Quantification of Proteins
9	Raeesah Firdhouse.S	Crescent Girls Mat.Hr.Sec School, Nungambakkam	Er.Kavitha Vijayaraghavan	Green Bags to preserve and delay ripening of fruits
10	Santhoshini.J	Ebenezer Mat.School, New Perungalathur.	Dr. M.K.Sangeetha	Impact of an environmental influencing factor on Chick Embryogenesis
11	Hounandan.R	St.Anne's Mat.Hr.Sec.School, New Perungalathur	Dr. Amrita Roy	Diabetic Food--eat or delete?

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

International conference

The School of Life Sciences at has organized an International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015) on the 2nd and 3rd of March 2015. This Conference focused on Diabetes and the associated complications. The



event focused on Diabetic retinopathy, Diabetic foot ulcer, and Stem cells as a potential tool for diabetes, conventional and alternative medicine for the treatment of Diabetes. This premier event also highlighted the need for the research on the molecular pathways and cellular responses for disease treatment using various treatment modalities.

This International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead was funded by Indian Council of Medical Research (ICMR) and Science and Engineering Research Board, Department of Science and Technology, India

The conference has brought together Engineers, Biotechnologists, Biologists, Chemists, Scientists, Industry personal and Medical practitioners to a common platform for a very creative interaction leading to inventive and resourceful ideas and innovative solutions for the various challenging problems in the field of Diabetic research. The response to the call for papers was overwhelming and was presented in the technical sessions. The delegates including renowned speakers from Malaysia and United States and from various states of India participated in the conference.



The conference was inaugurated by Dr.Nurliza Khaliden, Head, *Department of Ophthalmology*, University of Malaya, Malaysia and she emphasized the importance of interdisciplinary team work and application oriented research for the benefit of the society. Padmasri Prof.J.A.K Tareen, Vice-Chancellor, B.S.Abdur Rahman University delivered the presidential

Seminars Organized

British council's Bio Technology Mission represented by delegates from UK universities to SLS on 14th September 2015. The following lectures are delivered by the delegates from various universities of UK



Dr. Duncan Sharp, Leeds Beckett University delivered lecture on "Wounds: Key complications and recent advancements in diagnostics"

Dr. Anant Paradkar, Bradford University,"Pharmaceutical processes: Hot Melting extrusion and Injection Moulding"

Seminar on Technopreneurship

Dr. Rajeshwari, Managing Director from Bioklone Biotech private Limited, Chennai delivered talk on Building a business: Path of a technopreneur on 14th August, 2015.

Seminar on Biotechnology Career

Mr. Prashant, CEO, Protevea, Chennai, delivered lecture on Biotechnology- Prospects and Career on 14th August, 2015.

Seminar on HPLC

The fundamentals of HPLC and HPLC trouble shooting were delivered by Dr. Hari Krishna Reddy, Application Chemist, from Shimadzu on 15th June, 2015



Seminar on FT-IR

Fourier transform infrared spectroscopy (FTIR)-analysis of isolated compound in FTIR by Dr. Easwaramoorthy, Department of Chemistry, BSAU on 17th June 2015

Seminar on Dynamic imaging

Ammasi Periasamy from W.M. Keck Center for Cellular Imaging, University of Virginia, Virginia, USA delivered talk on Dynamic Imaging of Protein Protein Interaction in Living Cells using Exogenous and Endogenous FRET Pairs on 24th June 2015

Seminar on Accelerated drug screening

Mr. Benin, CEO and Scientific advisor, Pentagrit research private limited, Chennai delivered lecture on Tissue on a Chip for accelerated Drug Screening on March, 19, 2015.

Workshop on Phytochemical Separations & Analysis

Hands on summer training cum internship programme on Phytochemical Separations & Analysis was conducted in association with Spinco Biotech, between 1-19 June 2015.



Workshop on “Multicolor Flowcytometry with the Cytoflex-Flowcytometer” was organized in association with Beckman Coulter,USA on September 2-3, 2015



CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Workshops attended

Dr. S. Hemalatha has attended DBT Sponsored Short Term Training program on Genomics and Metabolomics of Wild Medicinal Plants at Jawaharlal Nehru Tropical Botanical garden and Research Institute, Palode, Trivandrum between 16th November - 4th Dec 2015.

Mohd Shahanbaj Khan and Tahira Akther have attended the workshop on Bringing the Nanoworld Together organized by Oxford Instruments at IIT Madras between 3- 4 Nov, 2015

Fazeela Mahaboob Begum has attended workshop on Applied Genome Informatics at Centre for Research, Department of Biotechnology, Jeppiaar Engineering College, Chennai on October 26, 2015.

Dr. S. Hemalatha, Mohd Shahanbaj Khan and Tahira Akther, Saroj Kumar Sah have attended Food safety seminar 2015 Shimadzu, Japan in association with export inspection council of India23, September, 2015

Conferences attended

Saroj Sah under the guidance of Dr. S. Hemalatha has attended National Conference on Emerging Trends in Management of Infectious Diseases and Public Health (ETMIDPH-2016) Organised by Department of Biotechnology Mohamed Sathak College of Arts and Science, Chennai on 4th and 5th February 2016

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
15	24	0	6	45

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

Publication in International journals

1. S. Hemalatha and S. Das Mitochondrial miRNA - "MitomiR": A New Player in Cardiovascular Health Canadian Journal of Physiology and Pharmacology, 2015.
2. Saroj kumar sah and S. Hemalatha, "Extended spectrum Beta lactamase (ESBL) Mechanism of antibiotic resistance and Epidemiology, International Journal of PharmTech Research. Vol.7, No.2, pp 303-309, 2015
3. Khan M. S.and S. Hemalatha, Autophagy: Molecular Insight and Role in Plant Programmed Cell Death and Defense Mechanism"*International Research Journal of Biological Sciences*", 4 (2), 78-83 (2015).
4. Bennett T. Amaechi, Sapna M. Mathews, Karthikeyan Ramalingam, and Poornima K. Mensinkai. 2015. Evaluation of nanohydroxyapatite-containing toothpaste for occluding Dentin tubules.American Journal of Dentistry, Vol. 28 (1), 33-39. (I.F. 1.057)
5. HamidurRahaman,Md. Khurshid Alam Khan, Md. Imtaiyaz Hassan, Asimul Islam, Ali Akbar Moosavi- Movahedi and Faizan Ahmad Heterogeneity of equilibrium molten globule state of cytochrome c induced by weak salt denaturants, PlosOne 2015.
1. Levi J. McClelland, Sean M. Seagraves, Md. Khurshid Alam Khan, Melisa M. Cherney, Swati Bandi, Justin E. Culbertson and Bruce E. Bowler, The Response of Ω -Loop Dynamics to Truncation of Trimethyllysine 72 of Yeast Iso-1-cytochrome Depends on the Nature of Loop Deformation, J Biol Inorg Chem 2015.

Publications in International conferences

1. Kavitha Vijayaraghavan Investigation on the wound healing activity of an invasive weed- **Chromolaena odorata** atInternational Conference ASEAN PHARMNET, December 2-4, 2015 Landmark Bangkok, Thailand
2. Karabi Goswami ,Samarjit Das, S. Hemalatha, Role of circulating miRNAs in Various Diabetic Complications. International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 64.
3. Mohammad Basheeruddin, Shazia Jamal,Estimation of Superoxide Dismutase in RBC Lysate & Serum Cholestrol in Diabetic Patients, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 65.

4. M. K. Saranya and M.K. Sangeetha, miRNAs of pancreas A Novel target for treatment and diagnosis of type 2 diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 68.
5. H. Sheeba and S. Hemalatha, Niosomes Novel drug delivery system for Diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 82.
6. Ubaid Rasool and S. Hemalatha, Medicinal Plants and Their Role in Diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 84.
7. Fazeela Mahaboob Begum, Brittany Dunkerly, Samarjit Das and S. Hemalatha, Novel alternate Pro-Angiogenic Therapeutics from Red Alga For Diabetic Cardio Myopathy, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 86.
8. Mohd. Hashim Khan and Karthikeyan Ramalingam, Efficacy of Silver nano-particles in delayed wound healings of Diabetes mellitus patients International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 87.
9. Adil A. A. and Neesar Ahmed, Targeting Retinal Inflammation in the pathogenesis of Diabetic Retinopathy, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 92.
10. Tahira Akhtar and S. Hemalatha, Exploring medicinal plants to control diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 104.
11. Saroj Kumar Sah Prakash D. Easwaramoorthi and S. Hemalatha, Alternative approaches to control Urinary tract infection (UTI) among diabetic patients, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 105.
12. Anil Kumar B and Neesar Ahmed, Type 1 Diabetes (T1D): The Gene and the disease, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 108.
13. G. Menaka and S. Hemalatha, Effective role of Panchagavya in Diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 103.
14. Logesh R, Neesar Ahmed and Amrita Roy, Immunotherapy targeting Type 1 Diabetes (T1D), International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 99.
15. B. Famidha, R. Malini and Amrita Roy, Herbal Medicines for Diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 100.
16. S. Zakia Fathima, M. Farhana Fathima and Amrita Roy, Anti-inflammatory agents as potent therapeutic agents for diabetic retinopathy, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 101.
17. Sucharithra Ganesh, Abeer Manzoor Bhat and Neesar Ahmed, The Therapeutic Efficacy of Vitamin Therapy on Diabetes Mellitus, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 89.

18. P. Umamaheshwari, R. Sangeetha, A. Janani, Immune Responses for Type 1 Diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 121.
19. Priyadarshini.S, Priyadarsini.S and Neesar Ahmed, Potential Drug Targets for the Treatment of Diabetic Foot Ulcers (DFU), International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 120.
20. Vinothkumar R and Sasidharan V and Neesar Ahmed, Diabetic Sensorimotor Polyneuropathy diagnosed by nerve conduction studies, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 119.
21. Sathyapriyan M and Neesar Ahmed, Isolation and alpha-Glucosidase inhibitory activity of endophytic fungi from mahogany (*Swietenia macrophylla* King) seeds and its implication in Diabetic Mellitus, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 118.
22. Srimathy P, Karthiga S and Neesar Ahmed, Cardiomyopathy (CMP): The disease and the treatments, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 112.
23. B. Amrutha and Shivani and Neesar Ahmed, Alternative Therapies useful in management of Diabetes: A systematic review, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 94.
24. Sheereen Khanam.I& Muthu Rehana Nausheen.M and Neesar Ahmed, Imminent Drugs: Targeting Diabetic Retinopathy, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 93.
25. Kavitha Vijayaraghavan, Johanna Rajkumar, S.Mohamed Ali "A study on the wound healing potential of *Chromolaena odorata* extract on excision wounds" International Conference on recent advances in Bionano-Science and Technology (ICRBT – 2015) 25th & 26th February, 2015, Hindustan College of Arts and Science, Coimbatore.
26. Kavitha Vijayaraghavan, Johanna Rajkumar, S.Mohamed Ali "Evaluation of the wound healing potential of the leaf extracts of *Chromolaena odorata* on Chick embryo excision wound models." International Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World (OASIS'2K15), Feb 23&24, 2015. Vivekanandha College of Engineering for Women, Elayampalayam, Tiruchengode.
27. M. S. Khan & S. Hemalatha, Role of Autophagy in Plant Defense Mechanism: Molecular And Bioinformatic Approaches, International seminar on Biotechnology – Challenging the Challenges of the Changing World (BCCCW 2015), pg. 102, organized by Justice Basher Ahmed Sayeed College for Women, Chennai on 4- 5, February, 2015.
28. Ubaid Rasool and S. Hemalatha , Biodiesel production from non-edible oils, International seminar on Biotechnology – Challenging the Challenges of the Changing World (BCCCW 2015), pg. 99, organized by Justice Basher Ahmed Sayeed College for Women, Chennai on 4- 5, February, 2015.
29. S.K. Sah and S. Hemalatha Alternative Approaches to control Broad spectrum antibiotic resistant gram negative bacteria causing nosocomial infection International seminar on Biotechnology – Challenging the Challenges of the Changing World (BCCCW 2015), pg. , organized by Justice Basher Ahmed Sayeed College for Women, Chennai on 4- 5, Feb., 2015
30. H. Sheeba and S. Hemalatha, Niosomes : Novel drug delivery for cancer International seminar on Biotechnology – Challenging the Challenges of the Changing World

(BCCCW 2015), pg. , organized by Justice Basher Ahmed Sayeed College for Women, Chennai on 4- 5, Feb, 2015.

31. S.M. Fazeela Mahaboob Begum, S. Hemalatha .High Throughput Screening of Anti Cancer Phyto Compounds InDanio Rerio. International conference, Biotechnology: Challenging the Challenges of the Changing World. Justice Basheer Ahmed College, Chennai. Feb 4 &5 2015 page number: 90.
32. M. Basherudin and Shazia Jamal, ROLE OF HIF 1 α IN MODULATING THE TUMOR MICROENVIRONMENT International seminar on Biotechnology – Challenging the Challenges of the Changing World (BCCCW 2015), pg. , organized by Justice Basher Ahmed Sayeed College for Women, Chennai on 4- 5, Feb, 2015.
33. Karabi Goswami and S. Hemalatha, Circulating miRNA as a biomarker for detecting diabetes International seminar on Biotechnology – Challenging the Challenges of the Changing World (BCCCW 2015), pg. , organized by Justice Basher Ahmed Sayeed College for Women, Chennai on 4- 5, Feb, 2015.

National Conference presentations

1. S.M. Fazeela Mahaboob Begum,& S. Hemalatha, Seaweed compounds target PI3K pathway to control cancer at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Technology on September 2-3, 2015
2. S. Khan, & S. Hemalatha, Deciphering the Molecular Mechanisms of Action of Panchagavya to cope up with Saline Stress in *Oryza sativa* L at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.
3. Dominic A. G*, &M. S. Khan*, & S. Hemalatha, HPLC Analysis of Flavonoids Content of *Couroupita guianensis* and Efficacy of Extract against Human Bacterial Pathogens at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.
4. Gerald Grino,&Ubaid Rasool, & S. Hemalatha, Detection of heavy metals in soil sediments at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3,2015.
6. Tahira Akther, & S. Hemalatha, Endophytic Fungi Alternative Approach for Discovery of Novel Drugs at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.
7. Saroj Kumar Sah,& S. Hemalatha, Double disc synergy test to detect ESBL production in urinaryisolates of *Escherichia coli* and *Klebsiella pneumoniae*at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.
8. Mohammad Hairaze Ezwandy, &G. Senthil Murugan,& S. Hemalatha, Antibacterial activity and isolation of active compounds from leaf of the traditional african medicinal tree *Kigelia africana* (lam) benth at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.
9. S. Zakia Fathima,& S. Hemalatha Therapeutic role of ppars agonists for treating type 2 diabetes: A chemoinformatic approach at Applications of Green Technologies for

separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.

10. R. Malini, & S. Hemalatha, Mechanism of action of Traditional Indian herbs in controlling diabetes at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.
11. Mohammad. Basheeruddin, & Shazia Jamal, The roles of mesenchymal stem cells in tumor microenvironment at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.
12. M. Farhana Fathima, & Shazia Jamal, Protein misfolding and alzheimer's disease at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.
13. B. Famidha, & Neesar Ahmed, Cross talk between cancer and immune cell with foxp3 in immunosuppressive cell at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September, 2-3, 2015.
14. R. Logesh, & Neesar Ahmed, Involvement of ubiquitin 1 in the xenophagy of Mycobacterium tuberculosis at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.

Under Graduate Research Presentation:

79 UG Students presented research articles various topics on Life Science.

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

Bennett T. Amaechi, Sapna M. Mathews, Karthikeyan Ramalingam, and Poornima K. Mensinkai. 2015. Evaluation of nanohydroxyapatite-containing toothpaste for occluding Dentin tubules. American Journal of Dentistry, Vol. 28 (1), 33-39. (I.F. 1.057)

SPONSORED RESEARCH (ONGOING / APPLIED)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)
1	Dr. Soumen Bera	DBT	Antioxidant gene polymorphisms and redox signaling in cancer risk	25,00,000
2	Dr. Soumen Bera	DST-SERB	GPx-1 gene polymorphisms and mitochondrial ROS signalling in cancer risk	27,69,600
3	Dr. Neesar Ahmed	DST-SERB	Immunosuppressive Cells within Inflammatory Tumor Microenvironment	24,66,000

4	Dr. Neesar Ahmed	ICMR	Targeting E3 ligases involved in the retinal Inflammation of Diabetic Retinopathy.	41,58,000
5	Dr. Shazia Jamal	DST-SERB (Young scientist)	To Study the Effect of Diclofenac and Osmolytes on Protein Stability in Renal Dysfunction	22,75,200
6	Dr.Karthikeyan Ramalingam	DST-SERB	Synthesis of antimicrobial nanoemulsions for the treatment of multi-drug resistant ESKAPE pathogens	27,63,600
7	Dr.Karthikeyan Ramalingam	AYUSH	Antimicrobial Efficacy And Mechanisms Of Herbal Extract Fractions (Traditional Herbal Tooth Power Formula) On Biofilm Forming Cariogenic Microorganisms	29,96,250
8	Dr. Khurshid Alam Khan	DST-SERB (Young scientist)	Identifying the molecular basis of peroxidase activity of peroxiredoxin-6-An approach for designing anti oxidant peptides and inhibitors	27,54,000

Conference funding received by the faculty

Conference funding was received from DST-SERB and ICMR to conduct International conference on diabetic biomarkers and challenges ahead held on March 2-3, 2015

Name of the organizing secretary	Funding Agency	Amount received
Dr. S. Hemalatha	ICMR	40,000
Dr. S. Hemalatha	DST-SERB	1,00,000

List of research Projects submitted by faculty

Dr. S.Hemalatha	ICMR-venom research: Analysis of venom variation among big four Indian snakes: genomic and proteomic approaches. Identification of mechanism of intoxication and protection by Indian botanicals	60,00000
Dr. R. Karthikeyan	ICMR-venom research: Stimulation of ROS dependent pro/anti-inflammatory signalling mechanisms by sea snake venom fractions in cancer, Funding agency: ICMR	49,72,000
Dr. M.K. Sangeetha	ICMR-venom research: Evaluation of anti- venom plants for common snake venom	40,00,000

Dr. S. Hemalatha, Dr. R. Karthikeyan Dr. Lucy Greenhill SAMS, UK	Joint UK-India projects in wave and tidal energy Wave and Tidal Energy: Measuring the impact on ecosystem	-
Dr. S. Hemalatha Dr. Sabura Banu Dr. Raji Sundarrajan, Purdue university, USA	DBT-NIH USA joint call: Early diagnosis of diabetic retinopathy from retinal and tongue images using advanced image processing and confirmation with molecular biomarkers by non-invasive molecular and biochemical approaches	45,96000
Dr. S. Hemalatha Dr. Raji Sundarrajan, Purdue university, USA	DBT Nanotechnology: Delivery of anticancerous nano particles synthesized from sea weeds of Indian Ocean by non –invasive electrochemotherapy to cure breast cancer	49,30,000
Dr. S. Hemalatha Dr. Raji Sundarrajan, Purdue university, USA	DBT Biomarkers: Development and deployment of an affordable smart phone based non-invasive device for CVD biomarkers monitoring	40,10000
Dr. S. Hemalatha	BIRAC-IIPME: Development and deployment of an affordable non-invasive blood cholesterol monitor for day to day Applications	48,00000
Dr. S. Hemalatha Dr. Viruthagirinathan, CARE institute Dr. Raji Sundarrajan, Purdue university, USA	DST-CSRI: Development and deployment of an affordable non-invasive cholesterol and acetyl choline esterase (ACE) activity monitor for day to day applications: Psychological and neurochemical and engineering approaches.	40,00000
Dr. S. Hemalatha Dr. Sabura Banu (E&I) Dr. Raji Sundarrajan, Purdue university, USA	DBT-NIH-INDO-U.S. Joint call on low cost medical devices Early diagnosis, screening and treatment of breast cancer by optimized fusion of MRI and CT images and molecular biomarkers in combination with rapid, low cost tissue chip technology and electroporation	50,32,000
Dr. S. Hemalatha Dr. Sabura Banu (E&I)	DST-WTP: Establishment of Rural Women Technology Park at Othivakkam village, Kancheepuram District, Tamilnadu.	41,90,000

Research scholars

Award of Maulana Azad National Fellowship

Maulana Azad National Fellowship for Minority Students was sanctioned to research scholar M. Adil

Name of the Research scholar	Name of the guide	Title of the project
Mohamed Adil	Dr. Neesar Ahmed	To characterize and investigate the immunosuppressive cells in tumor

		microenvironment and understand the molecular mechanism that regulate inflammation and tumor progression
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Project proposals submitted by research scholars for fellowships

Maulana Azad National Fellowship for Minority Students for the Year 2015

Name of the Research scholar	Name of the guide	Title of the project
Mohd Shahanbaj Khan	Dr. S. Hemalatha	Role of Plant Programmed Cell death and Autophagy in pathogenicity Mechanism
Ubaid Rasool	Dr. S. Hemalatha	Biodiesel and Bioethanol production from plants: Genomic approach
Tahira Akhter	Dr. S. Hemalatha	Mitochondria mediated cancer: Identification of the critical players and amelioration of cancer by plant derived molecules”
Mashihur Rahman	Dr Md Khursheed Alam Khan	Treatment strategies of NDM-1 producing bacteria: combined experimental and bioinformatics approach
Hashim Khan	Dr. Karthikeyan R	Nanoparticles against human pathogens
Mohd. Basheeruddin	Dr. Shazia Jamal	Non-steroidal anti-inflammatory drugs (NSAIDs) and protein stability

SPECIAL RESEARCH LABORATORIES CREATED

Computational biology to do research in the areas of drug designing, molecular docking and simulation

INTERNATIONAL VISIT (ACADEMIC RESEARCH)

Dr. M.K. Sangeetha has been awarded with Post Doctoral Fellowship from December 2015 to December 2016 by the Department of Pathology **Johns Hopkins** School of medicine, USA

Mrs. Kavitha Vijayaraghavan has attended International Conference on ASEAN PHARMNET, in December 2-4, 2015 Landmark Bangkok, Thailand

ACHIEVEMENTS OF STAFF

Dr. M.K. Sangeetha has been awarded with Post Doctoral Fellowship from December 2015 to December 2016 by the Department of Pathology **Johns Hopkins** School of medicine, USA

Kavitha Vijayaraghavan Investigation on the wound healing activity of an invasive weed- *Chromolaena odorata* at International Conference ASEAN PHARMNET, December 2-4, 2015 Landmark Bangkok, Thailand

Dr. S. Hemalatha has attended DBT Sponsored Short Term Training program on Genomics and Metabolomics of Wild Medicinal Plants at Jawaharlal Nehru Tropical Botanical garden and Research Institute, Palode, Trivandrum between 16th November - 4th Dec 2015. From each state one person was selected to attend the workshop and total number of participants was 19 from all over India and Dr. S. Hemalatha was selected from Tamilnadu.

ACHIEVEMENTS OF STUDENTS

Research scholars

Award of Maulana Azad National Fellowship

M.Adil, Research scholar under the guidance of Dr. Neesar Ahmed has received Moulana Azad National fellowship from UGC for 3 years.

Research presentation award

Saroj Kumar Sah, Research scholar under the guidance of Dr. S. Hemalatha won **second prize for his research presentation** entitled Molecular Approaches to Screen Extended Spectrum Beta-Lactamases (ESBL's) Production in Urinary Isolates of Enterobacteriaceae in National Conference on Emerging Trends in Management of Infectious Diseases and Public Health (ETMIDPH-2016) Organised by Department of Biotechnology Mohamed Sathak College of Arts and Science, Chennai on 4th and 5th February 2016

National level sponsored Workshops

Shanawaz Khan Research scholar under the guidance of Dr. S. Hemalatha has attended 15 days workshop on DBT sponsored Teacher/Researcher Short-term Training on 'Fermentation and Bioseparation Methods' at Pondicherry University from January 2-17, 2015.

Shanawaz Khan Research scholar under the guidance of Dr. S. Hemalatha has been selected for the prestigious all India level workshop sponsored by Indian Council of Agricultural Research (ICAR), New Delhi, under Niche Area of Excellence (NAE) program. on *Physiological and molecular aspects of improving crop adaptation to drought* which will be held at Department of Crop Physiology, University of Agricultural Sciences, GKVK, Bangalore from 15th to 27th of February 2016.

Masters Students

Poster presentation award

B. Famidha won **second prize in poster presentation** in National conference on applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.

Internships

Logesh, I year M.Sc Microbiology student has done one month summer internship at Jubilant Biosys Ltd, Bangalore.

S. Zakkia Fathima has been selected for one month summer internship at x-code life sciences, Chennai

Undergraduates (B.Tech)

International Internships



Mohamed Adil I year B.Tech Biotechnology student from School of Life Sciences has done one month summer internship at Department of Pathology Johns Hopkins School of

Medicine, USA from June 1-30, 2015.

Four students from II year B.Tech have been selected from school of life sciences for summer internship at Department of Pathology, Johns Hopkins School of Medicine, USA for 2 months.

Abeer, I year B.Tech from School of Life Sciences has done one month summer internship at King Fahad Medical City, Riyadh, Kingdom of Saudi Arabia.

National Internships

B. Amrutha I year B.Tech Biotechnology student from School of Life Sciences has done one month summer internship at **Central Leather Research Institute**, Chennai

Xinovem private limited Chennai selected **32 B.Tech students** for winter internship 2015 and individual project is assigned for the students for the winter 2015.

Divij K Kinger has been selected as **intern for Entrepreneurship Training with scholarship** in Pentagrit research, Chennai

SOCIETY ACTIVITIES

Inauguration of Biotechnology Student Association

The Biotechnology Students Association (BSA) was inaugurated on 19th March 2015. Mr. Benin, CEO, Pentagrit was the guest of honour and delivered special lecture on applications of tissue chips.



Inauguration of the activities from February 2016- January 2017

The inauguration of Biotechnology Students Association was conducted on February, 8, 2016. Prof. Periasamy, Director, W.M. Keck Center, University of Virginia was the guest of honor and released the annual report and delivered special lecture on Molecular Imaging using Endogenous Exogenous Fluorophore Molecules: FLIM-FRET Microscopy



INDUSTRY / INSTITUTE COLLABORATION

Johns Hopkins University

Dr. Das from John's Hopkins and faculty of SLS had research discussions on 9th June and planned for possible collaborations. Dr. Hemalatha and Dr. Das have submitted 2 research proposals for ICMR-USA initiative and US India endowment fund. Dr. Sangeetha, Assistant Professor, is doing post doctoral research at Johns Hopkins university for 1 year (2015-2016). Mr. Mohd. Adil, 1 year B.Tech student has done his summer internship at JHU for a month in 2015 summer. For 2016 summer internship, four B.Tech students have been selected to work in Dr. Das's lab.

Exiqon, Denmark

The collaborative project was discussed with Dr. Michael Hanson, Exiqon, Denmark and Dr. Das Johns Hopkins. This project will be on light caged LNA to cure diabetic retinopathy. The project will be funded by Exiqon.



University of Virginia, USA

Dr. Ammasi Periasamy, Director, Keck Center for Cellular Imaging (KCCI) and Professor of Biology and Biomedical Engineering Biology, University of Virginia is willing to collaborate with SLS on FRET imaging and to establish microscopy center with the help of Keck center. SLS will be collaborating in the areas of protein protein interactions and molecular imaging and its applications in disease diagnosis

Purdue University, USA

Dr. S. Hemalatha, SLS, Dr. Sabura Banu from E and I BSAU Dr. Raji Sundarrajan, Purdue university are collaborating to develop a non invasive devices for diabetic retinopathy diagnosis. SLS and purdue are also collaborating on developing non invasive diagnostic device to measure Cardio vascular diseases and lipid profile. Dr. Rajaprabhu from EEE, and Dr. S. Hemalatha also collaborating with Dr. Raji on delivering nanoparticles through electroporation synthesized from plants and sea weeds to control breast cancer. The team is also working on applications of curcumin and its derivatives to control various cancer types. This collaboration resulted in submission of 2 research grants to DBT , 1 to BIRAC and 1 to Indo US –ICMR NIH vision research grant.

National collaborations

Xinovem

SLS is collaborating with XINOVEM in the areas of disease genomics, NGS data analysis, proteomics, drug designing, molecular docking and simulation. Founder and Co-founder expressed their interest in taking students for internship in various fields of bioinformatics and application of tools in drug discovery, Next generation sequencing data analysis, herbal informatics etc.,. Internship Interview was conducted by Ms. Priya of XINOVEM for 34 B.Tech students and 5 M.Sc., students of SLS on 14/10/2015 for Internship. Students were shortlisted and further technical interview and group discussion was conducted by the committee from Xinovem on 28/10/2014 and 30 B.Tech students and 3 M.Sc students were selected and the projects were allotted to the selected students. The selected students will do the internship during the weekends, summer break and winter break/holidays. We are also planning to sign MOU with Xinovem. Within short span of time two project proposals to ICMR and DBT in collaboration with Xinovem are submitted in November, 2015.

Bioklone, Chennai

Bioklone is interested in developing research proposals under industry-academia to apply for funding agencies to get grants. Dr. Rajeshwari, CEO has accepted to be a board of studies member for formulating syllabi for the courses offered by SLS. On request by the students Bioklone will be able to provide paid training programmes and mini projects. expressed her interest in offering campus placement for students of SLS.

Pentagrit Research, Chennai

SLS is collaborating with Pentagrit in drug screening. A new tissue based screening technology was developed to test the efficacy of bioactive compounds from Pentagrit is sponsoring the research project for Fazeela, research scholar under the guidance of Dr. S. Hemalatha. Divij Kinger II year B.Tech student was selected to undergo Entrepreneurship training and International market analysis.

Axiogen

Dr. Karthikeyan, CEO is interested in jointly organizing workshop. He is also interested in developing research proposals under industry-academia to apply for funding agency to get grants in area related to Mechanism of molecular plant pathogen interactions. Most importantly he interested in incubating Axiogen unit at BSAU with his manufacturing units to support manufacturing bio products such as Plant pesticide, fungicide, and products to induce plant immunity.

V ClinBio Labs

Dr. Ramesh K. Goyal has consented to develop postgraduate job oriented courses in the area of biotechnology specialized for biopharmaceutical industry. V clinbio labs is interested in offering paid training and workshop to our students

Fortis Malar Hospital

Dr. Shah Dupesh is interested in collaborating in the areas of clinical embryology (required for fertility centers) and also would like to offer joint diploma course in clinical embryology with SLS-BSAU since there is huge demand for the embryology trained technicians in the fertility centers.

HCG Diagnostics

Dr. Mohammad Nasiruddin is interested in training students in HCG Diagnostics situated in Bangalore and Chennai. He has selected 2 B.Tech students for the summer internship. He has invited the research scholars and faculty to do the research in screening molecules at HCG diagnostics

Aachi masala Scientific Food Testing Services P Ltd.

Dr. P. Gurumoorthi, Aachi masala expressed his interest to be a member in board of studies for the review of syllabus and curriculum. SLS is planning to collaborate to establish food testing lab.

Protevea

Mr. Prashanth, CEO of Protevea is interested in collaborating in herbal based formulations, banana stem powder manufacturing and bio entrepreneurship. Protevea is planning to offer summer internships to our under graduates and post graduates.

SLS-Industrial Institute meet

IIPC was conducted on 10/10/2015. More than 200 biotech, pharma and life science industries were contacted in India and invited for the meet. The following industries have accepted our invitation and attended the meet.

S.No	Name of the Person & Company	S.no	Name of the Person & Company
1	Dr. Rajeshwari Managing Director Bioklone Biotech Pvt Ltd., Chennai.	11	Dr.Saleem Mohamed CEO Xcode Life Sciences ,Chennai
2	Mr. Benin CEO, Scientific Advisor Pentagrit Research, Chennai.	12	Dr. NirmalKrishnadas Director JayagenBiologics,Chennai
3.	Mr.A.S. Prashant CEO-Director Protivea Private Ltd., Chennai	13	Ms.Priyaa Co-Founder & Head Operations XINOVEM, Chennai
4	Ms.Ramya Head HiRise Food Tech Lab, Chennai	14	Dr. Mohammad Nasiruddin Scientist HCG Diagnostics, Bangalore
5	Dr. P. Gurumoorthi , Head - Mr.Ramar , Quality Manager Aachi masala, Scientific Food Testing Services Pvt, Ltd. Chennai	15	Dr. FloridaTilton , Scientist & Dr.Shalini , Scientist Biozone , Teynampet,Chennai,
6	Mr. N.J. Lakshmi Narayan Build Hr Management Consultants Private Limited, Virugambakkam Chennai	16	Dr. S.Kavitha , Director & Ms.Saranya , Scientist FIB-SOL Life Technologies Pvt.Ltd Chennai,
7	Dr.SavithiriShivakumar Founder and Executive Director Aaranya Biosciences, Chennai	17	Dr.Ezhilrani Research Scientist BioNeem Tec India Pvt.,Ltd,Chennai

8	Dr. S. Babu Managing Director Mahathi Biotech Chennai	18	Dr.M.Krishnaraj Director Apex Biotechnology , Chennai.
9	Mr. Rajanikanth&Mr. K. Ramesh, Director and Scientist V ClinBio Labs, Chennai.	19	Dr.Nagamaniammai Technical Consultant Food Technology Chennai
10	Dr. Shah Dupesh Consultant in clinical Embryology, Fortis Malar Hospital, Chennai.	20	Dr. Karthikayalu S CEO and founder AxioGen Biotech, Chennai



Discussions and Outcomes:

All the industry appreciated B.S. AbdurRahman University's initiative in bringing together industry and academicians. All the objectives of IIPC were achievable through the meet in a period of time. Few industries have already started to collaborate which are mentioned below:

1. XINOVEM

- Expressed interested in taking students for free internship in various fields of bioinformatics and application of tools in drug discovery, Next generation sequencing data analysis, herbal informatics etc.,
- Internship Interview was conducted by Ms.Priya, head operations and co founder, XINOVEM for 34 B. Tech students and 5 M.Sc., students of SLS on 14/10/2015 for Internship.Students were shortlisted and further technical interview and group discussion was conducted by the committee from Xinovem on 28/10/2014 and 30 B.Tech students and 3 M.Sc students were selected and the projects were allotted to the selected students.
- The selected students will do the internship during the weekends, summer break and winter break/holidays.
- Xinovem is interested in signing MOU with our University

- Two research projects in collaboration with Xinovem were submitted to ICMR, DBT US vision research foundation and Xinovem is included as collaborating industry
- Xinovemis interested in offering M.Sc in herbal informatics or Medinformatics in association with BSAU and it will be tailor made course for theAyurvedic doctors and for industrial scientists, technical officers(Eg. Zandu and Himalayas. Collaborating with Xinovem) who are having under graduation in pharmacy
- Xinovem is also interested in incubating their sister company in BSAU
- Xinovem is interested in helping with publication of journal medinformatics in association with SLS-BSAU

2. Pentagrit

- After signing MOU, the collaborative research project on tissue based screening technology was initiated.
- Collaboration with Pentagrit was further strengthened by this industry institute meet.
- A new tissue based screening technology was developed to test the efficacy of bioactive compounds fromsea weeds.
- Pentagrit is sponsoring the research project for Fazeela, research scholar under the guidance ofDr. S. Hemalatha.
- DivijKinger II year B.Tech student was selected to undergo Entrepreneurship training and International market analysis.

3. Xcode

- Dr. Saleem, CEO, Xcode is interested in offering internships and placement for eligible students.
- He is also interested in developing research proposals to apply for grants.
- Dr. Saleemis interested in organizing jointworkshop on Nutrigenomics to students
- He is willing to serve as adjunct faculty member in SLS.

4. Bioklone

- Dr. Rajeshwari expressed her interest in offering campus placement for students of SLS.
- She is also interested in developing research proposals under industry-academia to apply for funding agency to get grants.
- She has accepted to be a board of studies member for the courses offered by SLS.
- On request by the students Bioklone will be able to provide paid training programmes and mini projects.

5. Axiogen

- Dr. Karthikeyalu, Founder and CEO is interested in jointly organizing workshop.

- He is also interested in developing research proposals under industry-academia to apply for funding agency to get grants in area related to Mechanism of molecular plant pathogen interactions.
- Most importantly he interested in incubating his company at BSAU with his manufacturing units to support manufacturing bio products such as Plant pesticide, fungicide, and products for plant immunity.
- He is also willing to offer free internships to our students

6. V ClinBio Labs

- Dr. Ramesh K. Goyal has consented to develop postgraduate job oriented courses in the area of biotechnology specialized for biopharmaceutical industry.
- They offering paid training and workshop to our students

7. Fortis Malar Hospital

- Dr. Shah Dupesh is interested in collaborating in the areas of clinical embryology (required for fertility centres)
- Interested to offer joint diploma course in clinical embryology with SLS-BSAU since there is huge demand for the embryology trained technicians in the fertility centers.

8. HCG Diagnostics

- Dr. Mohammad Nasiruddin is interested in training students in HCG Diagnostics situated in Bangalore and Chennai.
- He has selected 2 B.Tech students for the summer internship.
- He has invited the research scholars and faculty to do the research in screening molecules at HCG diagnostics

9. Scientific Food Testing Services P Ltd.

- Dr. P. Gurumoorthi expressed his interest to be a member in board of studies for the review of syllabus and curriculum.
- He is also interested in supporting SLS in starting food testing and willing to be a consultant.

10. Hi rise Food Tech laboratories

- Ms. Ramya , CEO, would like to collaborate in the areas of food microbiology.
- She would like to hire 5 microbiology candidates from our university.
- They are also willing to offer training to our students in the areas of food microbiology.

11. Biozone Research Technologies Pvt. Ltd.

- Aneesh Nair, Head – Operations, are willing to sign MOU with our university
- would like to participate in internships, faculty development programme,
- joint R&D proposals, workshops,
- Joint diploma programs,
- Placement assistance programs and
- Joint value added courses.

12. Protivea Private Limited Chennai

- Mr.A.S. Prashant,CEO-Director, Protivea Private Ltd., is interested in offering entrepreneurship training to our B.Tech students
- willing to help in IPR and patent filing.
- He is willing to collaborate on Banana stem powder manufacturing
- to test its efficacy on kidney and bladder stones.

Future Plans

Biotech consortium

- By involving all the participating industries from Chennai and BSAU. This will be helpful to organize joint conferences, workshops, exchange of faculty and scientists. All the participated companies are willing to form the Biotechnology consortium.
- Invited talk from the industrial expert once in a month
- Involving the industrial persons in our DC, BOS, IBSC meetings
- Exchange of faculty during summer and winter break for training
- Joint research grants submissions to BIRAC, DBT, CSIR, DST

Make in India- National Science day 2016 theme is initiated at School of Life Sciences to celebrate National Science Day

Make in India- National Science day 2016 theme is initiated at School of Life Sciences to celebrate National Science Day. Dr. Barry has delivered special lecture on “Liver Cancer Genomics: the Promise of Personalized Medicine”.

Inauguration of Biotech Industrial Institute Consortium (BIIC)

The School of Life sciences at B.S.Abdur Rahman University, Vandalur Chennai established Biotech Industry Institute Consortium (BIIC) on 27th February, 2016 was inaugurated by Dr. Christopher Taylor Barry, Transplant surgeon from Rochester University and Adjunct professor Mahathma Gandhi Hospital, Jaipur to celebrate National Science day 2016 and to initiate “make in India”

The CEOs , Founders and scientists from biotech industries located in Chennai in association with School of Life Sciences, BSAU initiated this BIIC with the objective of conducting collaborative research between biotech industries and School of Life Sciences, BSAU. The event was presided by the vice chancellor Prof. Periasamy and Director Admissions Mr. V.N.A. Jalal. Dr. S. Hemalatha, Dean School of Life Sciences initiated this BIIC and the event was co ordinated by Dr. karthikeyan, Associate professor. This event is an initiative of Make in India to manufacture biomedical devices, diagnostic kits by school of Life Sciences in association with Biotech industries, Chennai.



MoUs SIGNED

Pentagrit Research

MOU was signed with Pentagrit Research on June 15, 2015 to initiate research collaboration in drug screening utilizing tissue chip technology.



MoU Thassim Beevi Abdul Kader College for Women

MOU was signed with Thassim Beevi Abdul Kader College for Women. Kilakarai on 20th August, 2015 to initiate research collaboration



Medall

MOU was signed with Medall Medical Academy on 17th August 2015



Xinovem

MOU was signed with Xinovem Company located at Women Technology Park, Siruseri, Chennai on February, 1, 2016



EXTENSION ACTIVITY CONDUCTED

Open House 2015- Chennai

To commemorate the 32 years of excellence in education OPEN HOUSE program was conducted during October, 2015 in Chennai. The research scholars and faculty members demonstrated live experiments and display models. The students from various higher secondary schools visited the SLS labs, and faculty members demonstrated the instruments and explained the applications of the instruments.

IMPORTANT VISITORS

1. Professor Kiaran Kirk , Dean, College of Medicine, Biology & Environment , ANU College of Medicine, Biology and Environment and ANU College of Physical and Mathematical Sciences. Australian National University visited School of Life Sciences and delivered lecture and interacted with faculty and research scholars at on 27th August 2015.
2. Dr.Rajeshwari.K CEO Bioklone Biotech pvt.ltd.visited school of Life Sciences on 14th August 2015
3. Mr..Prashant.A.S, CEO, Protivea Pvt.Ltd. visited school of Life Sciences on 14th August 2015
4. Dr. Andrew Drinnan, Associate Professor, University of Melbourne has visited school of Life Sciences on 9th September, 2015 to initiate collaborative research in the area of plant biology.



5. British council's Bio Technology Mission represented by delegates from UK universities visited SLS on 14th September 2015 are listed below,
 - 1) Dr. Duncan Sharp, Head, School of Rehabilitation and Health Sciences Leeds Beckett University
 - 2) Dr. Anant Paradkar, Professor, Bradford University
 - 3) Dr. Louise Freeman-Parry, Principal Lecturer and International Head, Sheffield Hallam University
 - 4) Dr. Mukhlesur Rahman, Senior Lecturer, University of East London
 - 5) Dr. Nagamani Bora, Assistant Professor, The University of Nottingham
6. Ms. Priya co-founder and Head from Xinovem company visited SLS on 11th October, 2015

7. Academy Team from Life Cell-R&D Unit, LifeCell International (P) Ltd visited SLS for academic projects discussion on November 11, 2015

8. Dr. Samarjit Das, Faculty John Hopkins University, USA, visited SLS and interacted with B.Tech students on 17.12.2015.



9. The following members have visited SLS during industry institute meet on 10th October 2015

Dr. Rajeshwari Managing Director Bioklone Biotech Pvt Ltd., Chennai

Mr. Benin, CEO, Scientific Advisor, Pentagrit Research, Chennai

Mr.A.S. Prashant, CEO-Director, Protivea Private Ltd., Chennai

Dr.Saleem Mohamed, CEO, Xcode Life Sciences ,Chennai

Dr. NirmalKrishnadas, Director, JayagenBiologics,Chennai

Ms.Priyaa, Co-Founder & Head Operations, XINOVEM, Chennai

Ms.Ramya, Head, HiRise Food Tech Lab, Chennai

Dr. Mohammad Nasiruddin, Scientist, HCG Diagnostics, Bangalore

Dr. P. Gurumoorthi, Head - Mr.Ramar, Quality Manager Aachi masala, Scientific Food Testing Services Pvt, Ltd. Chennai

Dr. FloridaTilton, Scientist & Dr.Shalini, Scientist, Biozone , Teynampet,Chennai,

Mr. N.J. Lakshmi Narayan Build Hr Management,Consultants Private Limited, Virugambakkam Chennai

Dr. S.Kavitha, Director & Ms.Saranya, Scientist FIB-SOL Life Technologies Pvt.Ltd Chennai

Dr.Savithiri Shivakumar Founder and Executive Director, Aaranya Biosciences, Chennai

Dr.Ezhilrani, Research Scientist BioNeem Tec India Pvt.,Ltd,Chennai

Dr. S. Babu, Managing Director, Mahathi Biotech Chennai

Dr.M.Krishnaraj, Director, Apex Biotechnology , Chennai.

Mr. Rajanikanth&Mr. K. Ramesh, Director and Scientist, V ClinBio Labs, Chennai.

Dr.Nagamaniammai, Technical Consultant, Food Technology Chennai

Dr. Shah Dupesh, Consultant in clinical Embryology, Fortis Malar Hospital, Chennai.

Dr. Karthikayalu S, CEO and founder, AxioGen Biotech, Chennai

10. Prof. Neville Punchard, Dean School of Health, sport and bioscience and his team on 14th September, 2015 has discussed with Dr. S. Hemalatha, Dean, SLS on student internship during summer, summer school, research collaboration at University of East London, Stratford campus, London, UK. The team is also interested in medicinal plants research



11. Dr.David Smith from Sheffield Hallam University, UK has visited School of Life Sciences on February 4, 2016 and discussed with faculty about research collaboration, internship opportunities, faculty and student exchange.



SCHOOL OF ISLAMIC STUDIES

SCHOOL OF ISLAMIC STUDIES

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

S. No	Name of the Seminar/ Conference/ Workshops	Organized by	Month and Year
1.	International Conference on 'Family Life: Issues and Solutions in the Perspective of Islam'.	School of Islamic Studies	23 rd February, 2016

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

International Conference:

S. No	Department	Name of the Faculty Member	Conference Title	Month and year of Conference
1.	School of Islamic Studies	Dr. P.S. Syed Masood Jamali	Second International Symposium - 2015 on ' Empowering National Development Through religions, languages, culture and society ' organized by Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka, Oluvil, Srilanka.	4 th March 2015.
2.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	Second International Symposium - 2015 on ' Empowering National Development Through religions, languages, culture and society ' organized by Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka, Oluvil, Srilanka.	4 th March 2015.
3.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	Second International Seminar on 'Eulogy to the Holy Prophet Mohammed (Pbuh) in the Modern Arabic Poetry', Organized by PG & Research Department of Arabic, Jamal Mohamed College, Tiruchirapalli, India.	9 th December 2015
4.	School of Islamic Studies	Dr. P.S. Syed Masood Jamali	Two Day International Arabic Seminar on 'Significance of differently abled in Arabic pedagogy and literature', organized by Department of Arabic, University of Madras, Chennai.	3 rd & 4 th February 2016

5.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	One Day International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Chennai.	23 rd February 2016
6.	School of Islamic Studies	Mr. A. Abdul Hai Nadwi	One Day International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Chennai.	23 rd February 2016
7.	School of Islamic Studies	Mr. A. Jamaluddin Jamali	One Day International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Chennai.	23 rd February 2016
8.	School of Islamic Studies	Mr. S. Abdus Samad Nadwi	One Day International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.	23 rd February 2016
9.	School of Islamic Studies	Mr. M. Ahamedullah Al Bukhari	One Day International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.	23 rd February 2016

National Conference:

S. No	Department	Name of the Faculty Member	Conference Title	Month and year of Conference
1.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	Two Day National Conference on 'Education for Clean and Green India, Organized by Department of Education, Manonmaniam Sundaranar University, Tirunelveli.	13 th and 14 th March 2015.
2.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	One Day National Seminar On 'Prophetic Guidance For World Peace', Organized by PG & Research Department of Arabic, The New College, Chennai, India.	16 th February 2016
3.	School of	Mr. S. Abdus Samad Nadwi	One Day National Seminar On 'Prophetic Guidance For World Peace', Organized by	16 th February

Islamic Studies		PG & Research Department of Arabic, The New College, Chennai, India.	2016
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Workshop:

S. No	Department	Name of the Faculty Member	Workshop Title	Month and Year of Workshop
1.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	One Day workshop on ' Quality Assurance in Academic and sponsored research ', Organized by Office of Dean (Academic Research), B.S. Abdur Rahman University.	7 th March 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES:

National Conference	International Conference	National Journal	International Journal	Total
3	9	1	10	23

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

S.No	Authors as appeared in the publication	Publication on Title	Journal Title	Volume No	Issue No	Page Nos	Month and year of Publication
1.	Dr. P.S. Syed Masood Jamali	Polysemy in Quranic Verses and its enhancing impact on Islamic Jurisprudence	Second International Symposium proceedings on ' Empowering National Development Through religions, languages, culture and society ' by Faculty of Islamic	ISBN: 978-955-627-061-7	ISBN: 978-955-627-061-7	Page No: 1-8	4 th March 2015

			Studies and Arabic Language, South Eastern University of Srilanka, Srilanka.				
2.	Mr. A.M. Ali Ibrahim Jamali	Leadership in Islamic Perspective	Second International Symposium proceedings on 'Empowering National Development Through religions, languages, culture and society' by Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka, Srilanka.	ISBN: 978-955-627-061-7	ISBN: 978-955-627-061-7	Page No: 41-51	4 th March 2015
3.	Mr. M. Ahamedullah Al Bukhari	Islamic Marketing Ethics and its application Islamic Banking Industry	Second International Symposium proceedings on 'Empowering National Development Through religions, languages, culture and society' by Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka, Srilanka.	ISBN: 978-955-627-061-7	ISBN: 978-955-627-061-7	Page No: 71-78	4 th March 2015
4.	Mr. A.M. Ali Ibrahim Jamali	Environmental Education in Indian School	Proceedings of Two Day National Conference on 'Education for	ISBN: 978-81-909565-9-8	ISBN: 978-81-90956	Page No: 206-208	13 th & 14 th March 2015

		Syllabus – A brief view	Clean and Green India , Organized by Department of Education, Manonmaniam Sundaranar University, Tirunelveli.		5-9-8		
5.	Mr. A.M. Ali Ibrahim Jamali	Nafhathul Warda by Ustad Abdur Rafi Jamali about the Eulogy of Prophet Mohammed (Pbuh) – An Analysis	Jamal Academic Research Journal on Eulogy to the Holy Prophet Mohammed (Pbuh) in the Modern Arabic Poetry, Jamal Mohamed College, Tiruchirapalli, India	Vol. No. ISSN - 0973-0303, ISOEMS – 2015.	ISSN - 0973-0303, ISOE MS – 2015,	Pg. no: 76 – 83.	9 th December 2015
6.	Mr. A.M. Ali Ibrahim Jamali	Teaching Methodology of Arabic Rhetoric in Arabic Colleges in the state of Tamilnadu	Majalla al – Aasima, Refereed Annual Research Journal, Published by Department of Arabic, University College, Thiruvananthapuram, Kerala, India.	Vol.7, 2015, ISSN: 2277-9914.	ISSN: 2277-9914.	Page No: 70-74.	December 2015
7.	Mr. A.M. Ali Ibrahim Jamali	Conversation with the fiancée in the perspective of Islam	Proceedings of the International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.	Vol.2, Issue.1.	ISBN: 978-81-88023-16-5.	Page no: 93-96	23 rd February 2016
8.	Mr. A. Abdul Hai Nadwi	Old age Homes in the	Proceedings of the International Conference on	Vol.2, Issue.1.	ISBN: 978-81-	Page no: 180-	23 rd February 2016

		perspective of Islam	'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.		88023-16-5.	186	
9.	Mr. A. Jamaluddin Jamali	Bringing up Children and its procedures in Islamic Shariah	Proceedings of the International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.	Vol.2, Issue.1.	ISBN: 978-81-88023-16-5.	Page no: 107-112.	23 rd February 2016
10.	Mr. S. Abdus Samad Nadwi	Bringing up Children and its procedures in Islamic Shariah	Proceedings of the International Conference on 'Family Life: Issues and Solutions in the perspective of Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.	Vol.2, Issue.1.	ISBN: 978-81-88023-16-5.	Page no: 107-112.	23 rd February 2016
11.	Mr. M. Ahamedullah Al Bukhari	Bringing up Children and its procedures in Islamic Shariah	Proceedings of the International Conference on 'Family Life: Issues and Solutions in the perspective of	Vol.2, Issue.1.	ISBN: 978-81-88023-16-5.	Page no: 107-112.	23 rd February 2016

			Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.				
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ACHIEVEMENTS OF STUDENTS

S.No.	Name of the Students	Class & Section	Title of the Award, Issuing Institution or Organization , venue and date
1.	Sheik Abdullah. S	B.A.I.S. II year	Won the First prize in Arabic Oratorical competition in the "SOUL - 2015" organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.
2.	Mohamed Nasar	B.A.I.S. I year	Won the Second prize in Arabic Oratorical competition in the "SOUL - 2015" organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.
3.	Noor Mohammed	B.A.I.S. II year	Won the Third prize in Arabic Oratorical competition in the "SOUL - 2015" organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.
4.	Mohammed Yousuf V.M.J.	B.A.I.S. III Year	Won the First prize in Arabic Essay Writing competition in the "SOUL - 2015" organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.
5.	Mohammed Inamul Hasan	B.A.I.S. III Year	Won the Third prize in Arabic Essay Writing competition in the "SOUL - 2015" organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.
6.	Niyasudeen. S	B.A.I.S. I Year	Won the First prize in Tamil Oratorical competition in the "SCHOLATICFEST" organized by Aalim Mohamed Salih College of Engineering, Chennai on 14.08.2015.
7.	Sheik Abdullah. S	B.A.I.S. II Year	Won the Third prize in Tamil Oratorical competition in the "SCHOLATICFEST" organized by Aalim Mohamed Salih College of Engineering, Chennai on 14.08.2015.
8.	Ukasha Mohammed .S	B.A.I.S. I Year	Won the Second prize in English Quiz competition in the "SCHOLATICFEST" organized by Aalim Mohamed Salih College of Engineering, Chennai on 14.08.2015.

9.	Sheik Abdullah. S	B.A.I.S. II Year	Won the Second prize in Hadith Memorization competition organized by SIO, Chennai on 20.10.2015.
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DEVELOPMENTAL ACTIVITIES

Upgraded the existing computer lab by added new systems

SOCIETY ACTIVITIES

- **Quran Teaching Association** – It assigns thirty students in beginning of each semester to teach Holy Quran for the students of Crescent School in the early morning times of working days. This activity is being conducted since 2010.
- **Baithul Mal** – A student's charity association. Contributions are being collected from the students and staff. One in a semester , after scrutinizing the application received from the needy students, scholarships and medical aids are dispersed.



IMPORTANT VISITORS

S.No.	Name of the Visitor	Designation/ Institution	Date of the Visit
1.	Dr. Bouzidi Ismail	HoD of Arabic, Teachers' Training School, Algeria.	6 th February 2016
2.	Dr. Md. Nazmul Hoque Nadwi	Professor, International Islamic University, Bangladesh.	6 th February 2016
3.	Dr. Abul Kashem Muhammad Abdul Quader	Professor, University of Chittagong, Bangladesh	6 th February 2016
4.	Dr. Abdul Halim Riougui	University of Baleedah, Algeria.	6 th February 2016

SCHOOL OF SOCIAL SCIENCES & HUMANITIES

- **Social Sciences & Humanities**
- **Dept. of English**

SOCIAL SCIENCES & HUMANITIES

TRAINING PROGRAMMES OFFERED:

- Organized training the trainer programme to the faculty members of the department of English on 20.7.2015 & 21.7.2015.
- Organized training programme to the laboratory technicians of the engineering and science departments from 18.12.2015 to 22.12.2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED:

- The School of Social Sciences and Humanities organized a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48
- The School of Social Sciences and Humanities organized a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” to the technical teachers of the University in association with Cambridge English on 28/10/2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Dr. Moon Moon Hussain

- Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.
- Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.
- Participated in a two day National workshop on “Quality Research” on 10/10/2015 and 11/10/2015 organized by Sri Ramanujar Engineering College, Chennai – 127.
- Participated in “The Awareness Workshop on Intellectual Property Rights” on 29/8/2015 conducted by the department of Computer Science & Engineering in Collaboration with Academic Research, B. S. Abdur Rahman University, Chennai - 48.
- Participated in a one day workshop on “Women Academic Managers: Challenges and Approaches” held on 29th April 2015 at B.S. Abdur Rahman University.

Dr. P Devi

- Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.
- Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.
- Participated in a two day National workshop on “Quality Research” on 10/10/2015 and 11/10/2015 organized by Sri Ramanujar Engineering College, Chennai - 127.
- Participated in a one day workshop on “Women Academic Managers: Challenges and Approaches” held on 29th April 2015 at B.S. Abdur Rahman University.

Mr. Noushad C

- Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.
- Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.

MUHAMMED JAMSHEER T P

- Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.
- Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
1	-	-	3	4

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

S. No.	Authors as appeared in the publication	Publication Title	Journal Title	Volume No.	Issue No.	Page Nos.	Month & Year of Publication
1	Moon Moon Hussain	Women in India: A Mute Voice	International Journal of Research in Economics and Social Sciences	5	5	107-113	May 2015
2	P. Devi	Knowledge and Reproductive Health Practices of Adolescent Mothers in Rural Areas of Tamil Nadu	European Academic Research Journal	3	3	3517-3532	June 2015
3	P. Devi	Sexual and Reproductive Health Behaviour of Adoloscents - A survey Article.	European Academic Research Journal	3	10	10918 - 10929	Jan 2016

NATIONAL CONFERENCE

S. No.	Authors as appeared in the presentation	Presentation Title	Conference Title	Volume No.	Issue No.	Page Nos.	Month & Year of Proceedings
1	Noushad C	Matrimony Property Rights of Nair Women: An Appraisal of Post – Tharavadu Scenario in Kerela	41 st All Indian Sociological conference of Indian Sociological Society	-	-	-	Dec 2015

BOOK PUBLISHED:

- Hussain, Moon Moon (2015): “Introductory Economics for Engineers” by Himalaya Publishing House, ISO 9001: 2008.

EXTENSION ACTIVITY CONDUCTED:

- The School of Social Sciences and Humanities conducted a guest - lecture “The Importance of Law for Engineers” delivered by Dr. V. Balaji, Associate Professor in Law, Tamil Nadu Dr. Ambedkar Law University, Chennai on 26.3.2015.
- The School of Social Sciences and Humanities conducted a guest - lecture on “Economics for Engineers” delivered by Dr. Millie Nihila, Associate Professor, Department of Economics, Stella Maris College, Chennai - 86 on 3. 9.2015.

IMPORTANT VISITORS:

- Dr. V. Balaji, Associate Professor in Law, Tamil Nadu Dr. Ambedkar Law University, Chennai delivered a Guest lecture.
- Dr. Millie Nihila, Associate Professor, Department of Economics, Stella Maris College, Chennai – 86, delivered a Guest lecture.

DEPARTMENT OF ENGLISH

DEPARTMENT OF ENGLISH

TRAINING PROGRAMMES OFFERED :

- Dr. A. Shahin Sultana, Dean, SSSH organized training the trainer programme to the faculty members of the department of English on 20.7.2015 & 21.7.2015
- She also organized and conducted training programme to the laboratory technicians of the engineering and science departments from 18.12.2015 to 22.12.2015

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

1. Dr. Revathi Viswanathan Professor and HoD of English conducted a two-day National workshop on 'Mobile-Enhanced Language Learning' was conducted by ELTAI in association with the Department of English, B. S. Abdur Rahman University on 21st and 22nd August, 2015.

She also conducted a One-Day Colloquium on 'Emerging theories and Applications in English Literature and Language Teaching Research' on 13th February 2016

2. Dr. A. Shahin Sultana, Dean, SSSH conducted a one day workshop on Preparing Technical Teachers for Optimal Classroom Delivery through English Language on 28.10. 2015 in association with Cambridge English.



3. Dr. A. Shahin Sultana, Dean, SSSH organized a two day Indian Council of Medical Research sponsored National Conference on Women and Mental Health: A Psychosocial Perspective on 17.2.2016 and 18.2.2016.



CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Faculty	Conferences		FDP	Seminar	Workshop
	National	International			
Dr.RV.	1	1	----	----	2
Dr.SS	1	----	----	----	1
Dr.UR	----	----	----	----	2
Dr.PR	----	----	----	----	5
Dr.HS	----	----	----	----	2
Ms.Catherine Anna Pushpam	1	1	1	1	5
Mr. S. Vijayalumar	1	1			4
Ms.Grace Vinitha		1	1		8
Dr.Md.Sahidul Islam	1	1			2

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

Faculty	National Conference	International Conference	National Journal	International Journal	Total
Dr.RV	----	3 (Presentations)	----	----	3
Dr.SS	----	----	2(publication)	1(publication)	3
Dr.PM	----	----	----	2(publication)	2
Dr.PR				1(publication)	1
Dr.HS	----	----	----	----	----
Ms.CA	1(publication)	1(presentation)			2
Mr.SV	1(publication)	1(Presentation)	1	3(publication)	6
Ms GV		1(presentation)			1
Dr.SI		1(presentation)		1(publication)	2

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

Faculty	National Journal/Conference	International Journal/Conference	Total
1.Mr.S.Vijayakumar and Dr. A. Shahin Sultana.	1. To What Extent Do Writing Instructors Apply the Process Approach at	"Peer editing using web based instruction: a quantitative approach <i>International Journal of Current Research</i> Vol,7,	3

	<p>Tertiary Level? A Survey” in the Research Journal of English Language and Literature</p> <p>2. Fostering Learner Engagement through Web- Based Instruction: A Qualitative Approach <i>Language in India</i>, pp. Vol. 15:7 July 2015,353-63.</p>	<p><i>Issue, 12, pp.24535-24539, December, 2015</i></p>	
2.Dr.P.M.Usha Rani.		<p>1.“ Promoting Reading Skill as a Panacea for Communication Skill Development”in the International peer – Reviewed Open Access Journal LangLit Vol 1 issue -4 pp533-535 in May 2015.</p> <p>2. Formative Assessment as an Effective Classroom Pedagogy” International peer – Reviewed Open Access Journal LangLit in February 2016.</p>	
3.Dr.P.Rathna,		<p>“Perpetuation of caste consciousness through internal divisions: bama's vanmam: vendetta as a testimony " in " international journal of english and literature (ijel); issn (online): 2249-8028; issn (print): 2249-6912; impact factor(jcc) (2015): 4.4049; index copernicus value (icv) - (2016): 6.1;vol - 6, issue - 1; edition: feb2016</p>	
4.Mrs.A.Catherine Anna Pushpam	<p>3. “”Creating awareness in English language learning through alternative assessment” in 8th National Conference on Methods and outcomes of Research in English,</p>		

<p>5.Mr.S. Vijayakumar, and A. Shahin Sultana</p> <p>Mr.S Vijayakumar and M.P Srinivisan, “</p> <p>Mr. S. Vijayakumar and A.Shahin Sultana</p> <p>Mr.S..Vijayakumar</p>	<p>SRM University, March 2015, pp.24-27</p> <p>4. “Multimedia infrastructure and practical application: is there a correlation”? IASET: Journal of Humanities and Social Sciences Vol. 1, Issue 1, Jan - Jun 2015, 19-22</p> <p>5.“Web Based Instruction” 8th National Conference on Methods and outcomes of Research in English, SRM University, March 2015, pp.24-27.</p>	<p>1. Fostering Learner Engagement through Web Based Instruction:A Qualitative Approach, <i>Language in India</i>, pp. Vol. 15:7 July 2015,353-63.</p> <p>2, “Efficacy of Addie model in the digital classroom: an evidence based study”, <i>Lang Lit</i>, Vol. 2 Issue 1, , pp. 347-53, August, 2015.</p> <p>3“Peer editing using web based instruction: a quantitative approach <i>International Journal of Current Research</i> Vol,7, Issue, 12, pp.24535-24539, December, 2015</p>	
<p>6.Dr.Mohd.Sahidul Islam</p>		<p>“Gender Discrimination and the Wretched Condition of</p>	

		Women in Arundhati Roy's <i>The God of Small Things</i> and Khaled Hosseini's <i>A Thousand Splendid Suns</i> ." <i>Arts & Education: International Research Journal</i> . V: 2.1 (October 9 & 10 2015), pp 55-58.	
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BOOKS PUBLISHED:

1.Dr. Revathi Viswanathan published a Chapter titled '**Web Based CALL: A Tool to Develop Writing Strategies among Tertiary Level Students**' in the book **Handbook of Research on Individual Differences in Computer-Assisted Language Learning** in August 2015

2.Dr.P.M.Usha Rani, Dr.P. Rathna, A.Catherine Anna Pushpam and S.Vijayakumar,coauthored the B.Tech I semester English course book titled **Interactive English**, Revised edition, 2015. (ISBN 81-923661-0-4)

3.Dr.P.Rathna published the following books

- English Workbook I (Anna University)May 2015-ISBN978-93-85562-09-9 VRB Publishers
- English Workbook II ((Anna University)October 2015- ISBN978-93-85562-32-7 VRB Publishers
- English Workbook I (KSR College of Engineering)august 2015 ISBN 978-93-85562-19-8 VRB Publishers
- English Workbook II (KSR College of Engineering)January2016 ISBN978-93-85562-36-5 VRB Publishers

4.Dr. H. Sofia published a book titled "**Teaching Technical writing skills using Web 2.0 Technology**" with Lambert Academic Publishing, Germany , ISBN (978-3-659-83138-6) in February 2016.

ACHIEVEMENTS OF STAFF

- Mrs. H.Sofia obtained Ph.D degree in April 2015
- MrsA.Catherine Anna Pushpam , Assistant Professor won the **First prize** for developing exam based classroom activity for Tertiary/Higher Education category in the English in the Classroom Competition 2015 conducted by **Cambridge English Language Assessment**.
- Dr.P.Rathna, Associate Professor won the **Most Collaborative Participant Award** in the English in the Classroom competition 2015, conducted by **Cambridge English Language Assessment**, part of the University of Cambridge.

SOCIETY ACTIVITIES:

Dr.Revathi Viswanathan, Prof. & Head, is the Review board member of Editorial Committee for IGI Global Publications, USA and reviewed two journal articles, 'Mentoring Relationship Among Secondary Teachers' and 'Digital Literacy for 21st Century' in 2015.

Dr. A. Shahin Sulthana, Dean (SSSH), is a member of the editorial board the International Journal – TESOL.

Dr. A. Shahin Sulthana, Dean (SSSH), is a member of the editorial board of the International Journal – English for Specific Purposes World.

Dr. A. Shahin Sulthana, Dean (SSSH), is the Academic Editor of the National Journal – The Asian ESP.

Dr.P.M.Usha Rani , Professor is the editorial committee member of the University News Bulletin that is brought out every semester.

Dr.P.Rathna,Staff in charge of the Literary Club, coordinated the events of Literary Day, an intra collegiate literary event on 31.10.2015.

Dr.P.Rathna as the Coordinator of the Students e-magazine, published the first online students magazine **Writers Inc.** in December 2015.

EXTENSION ACTIVITIES:

1. Dr. A. Shahin Sultana, Dean, SSSH organized a guest- lecture on “The Importance of Law for Engineers” by Dr. V. Balaji , Associate Professor in Law, Dr. Ambedkar Law University on 26.3.2015
2. She organized a guest-lecture on “Economics for Engineers by Dr. Millie Nihila, Associate Professor, Department of Economics, Stella Maris College on 3.9.2015.



3. Dr. A. Shahin Sultana, Dean, SSSH conducted a Coordination programme to the faculty members of the department of English on 12.9.2015 to prepare them to conduct the speaking exam of Business English Certificate Course Exam.

4. Dr.Revathi Viswanathan, HOD English conducted a workshop on “Communication Skills Training Programme” in Amman College of Arts and Science, Dindukal on 4th August 2015.

She conducted a session on ‘Developing Writing through Blog’ in Valliammai Engineering College in December 2015.

3.Dr.P.Rathna was a Resource person in the workshop on Listening skill for teachers on August 25 at Adhiparasakthi Group of Schools, Melmaruvathur
She was a Resource person in the Orientation Programme for students on Reading Skill at Adhiparasakthi Group of Schools in August 2015

4. Dr.Revathi Viswanathan, Dr.A.Shahin Sultana, Dr.P.M.UshaRani, Dr.P.Rathna, Dr.H.Sofia,Mrs. A.Catherine Anna Pushpam, Mr.S.Vijayakumar, Ms.Grace Vinitha take up BEC examinership for the students of other colleges.

ANY OTHER INFORMATION:

Dr. A. Shahin Sultana, Dean, SSSH collaborated with exam cell and conducted the Business English Certificate examination to the students of second year B.Tech. in November 2015 and February 2016.

DEPARTMENT OF PHYSICAL EDUCATION

PHYSICAL EDUCATION

NSO CLASSES FOR FIRST YEAR STUDENTS

NSO Classes are conducted during the last period for first year Students. Three sections (around 180 students) are engaged in various sports activities during this period every day.

COACHING CAMPS FOR STUDENTS

Coaching Camps were organized for Men teams in Foot Ball, Basket Ball, Ball Badminton, Cricket, kabaddi, Volleyball, Badminton, and Athletics and for Women team in Ball Badminton, Throw Ball, Tennikoit, Volley Ball, Basket Ball, Badminton and Athletics.

SPORTS PARTICIPATION AND ACHIEVEMENTS BY STUDENTS

Our University Ball Badminton Men team Players participated in the Inter District Ball Badminton Tournament organized by **Eagle Town Ball Badminton club, Thirukkalukunram**, on 5th & 6th July- 2015 and won the Third Place with a cash prize of Rs. 4000/-

Our University Yoga Men & Women Teams participated in the Tamilnadu Yogasana Championship – 2015 organized by Tamilnadu Sports Yogasana Association, Co-Organised by Padmam Yoga and Natural Living Development Trust at Madipakkam, Chennai on 26th July- 2015.

The following Prizes were secured

Men and Women combined teams has secured **Overall Championship - Third Place**

MEN SECTION

17 to 25 Years Category

P. Giridharan - IV B.Tech (ECE – C)

I - Place in Common category

II - Place in special category (Hand Balance)

17 to 25 Years Category

S.Santhosh Kanna - III Mech -

II - Place in Common category

WOMEN SECTION

17 to 25 Years Category

M.Nivedhaa - III ECE

II - Place

J.Shahidha Parveen - III ECE

III - Place

18 to 19 Years Category

H.Haseena Nilofer - III B. Arch

I - Place

Z.H.Darvesh Akthar - III B.Tech (ECE)

III - Place

Our University Ball Badminton Teams (Men & Women), Staff Ball badminton (Combined Team) participated in the State level Buck memorial Trophy 2015 organized by **YMCA college of Physical Education from 19th August 2014 to 21st August 2015.**

The following are the results and the cash awards given

Staff Ball Badminton (Combined M&W)	-	Winners
Ball Badminton (Women)	-	Runners - Up
Ball Badminton (Men)	-	Semi Finals

Our University Ball Badminton teams (Men and Women), Football (Men), Tennis (Men), Basketball (Men), Volleyball (Men), Cricket (Men) teams participated in the **SRM Founder's Trophy** organized by the SRM University, Potheri, from 24th August 2015 to 26th August 2014.

The following are the results and the cash awards :

Ball Badminton (Women)	-	Runners-Up Cash Prize	Rs.12,000/-
Basket Ball (Men)	-	IV Place with Cash Prize	Rs. 8,000/-
Tennis (Men)	-	IV Place with Cash Prize	Rs. 1,000/-

K. Mohammed Rashid – IV Civil participated and won the Gold Medal (in 61-65 kg Category) in the Chennai District and represented in Tamilnadu 4th State Kick Boxing Championship - 2015 held at Chennai on 5th & 6th September-2015 organised by Atlas Kick Boxing Association, Tamilnadu Kick Boxing Network (TNBN).

Our University Ball Badminton Team (Men Staff & Students Combined team) participated in the State level Ball Badminton Tournament - 2015 and won the **Third Place with cash Prize of Rs.8000/- held at Thiruvarur** on 5th & 6th September- 2015.

Our University **Badminton Men team** participated in the 3rd Tamilnadu State Inter Deemed University Badminton tournament for the year 2015-16 organized by Chettinadu Health City, Kelampakkam, Chennai, on 25th – 26th September- 2015. **And won the Third place** with a cash Prize of Rs.5000/-

Our University **Ball Badminton Women team** participated in the All India Level Ln.K.Mahendran Memorial Ball Badminton Tournament and won the

First Place with a cash Prize of Rs.10,000/- organized **by Jolarpet Ball Badminton club, Jolarpet, Vellore (Dt)** on 26th & 27th September- 2015.

Our University Ball Badminton Women team participated in the All India Level Senior Invitation Chief Minister Gold Cup Ball Badminton Tournament 2015-16 and won the Fourth Place with a cash Prize Rs.10,000/- organized **by Someshwara Ball Badminton club held at Tumkur , Bangalore** from 1st to 4th October- 2015.

Our University Ball Badminton Men team participated in the South India Level Open Ball Badminton Tournament 2015-16 organized **by Karaikal Ball Badminton Club** at Karaikal on 17th & 18th October-2015 and Secured Runners-Up Position with a cash Prize of Rs.4,000/-

Our University Ball Badminton Men team participated and won the **Winners** in the District level CM Trophy Ball Badminton Men Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 8th October 2015 at Kancheepuram.

Ms. M. Keerthana IV IT 'A' and S.Yasmin – IV E&I were selected to represent Kanchipuram Dist Ball Badminton team and won **Winners** in the District level CM Trophy Ball Badminton Women Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 8th October 2015 at Kancheepuram.

Ms. M. Keerthana IV IT 'A' and S.Yasmin – IV E&I represented the Tamilnadu State team and **won the Runners - Up Position** in the National Level Inter Zone Ball Badminton Tournament 2015-16 organized by Ball Badminton Federation of India held at Andhra Pradesh (AP) from 3rd to 5th December - 2015.

Kanchipuram Dist Ball Badminton team and won Runners Up Position with a **Cash Prize Rs.7500/- per player** in the State level CM Trophy Ball Badminton Women Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 12th to 14th February 2016 at Tirupur.

Ms. B.Sakthignavel III ECE 'B' and Mr. T.Velmurugan ,PTI were selected to represent Kanchipuram Dist Ball Badminton team and won Fourth Position with a **Cash Prize Rs.3000/- per player** in the State level CM Trophy Ball Badminton Men Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 12th to 14th February 2016 at Tirupur.

STATE LEVEL TOURNAMENTS ORGANIZED

Our Department has successfully organized State Level - Dr. B. S. Abdur Rahman - Founder's Trophy Foot Ball Tournament for Men for the 15th year in succession. Prof. S. Peer Mohamed Memorial Trophy Basket ball Tournament for Men was conducted for 9th year and Silver Jubilee Trophy Ball Badmintons Tournaments for Men and Women were organized for 7th year, all during the Third week of February 2016. The tournaments were of high quality due to the participation of top teams from in and around Chennai and from southern part of the state. Cash Prizes to the tune of Rs. 44,000/- were awarded to the first four prize Winners in all the four games in addition to Rolling Trophies, Individual prizes and

Certificates. Free boarding and lodging facilities were extended to all the team players, team managers, officials and student volunteers.

Dr. V.M. Periasamy, our Honorable Vice Chancellor was the Chief Guest for Basket Ball & Ball badminton Tournaments and distributed the Rolling Trophies, Cash Prizes, Individual Prizes and Certificates to Basket Ball(Men), Foot Bal(Men) and Ball Badminton(Men &Women) Prizes **Alhaj V.N.A. Jalal, Director (Admission)** grace the function with his presence

Alhaj V.N.A. Jalal, Director (Admission) was the Chief Guest for Foot Ball Tournament and distributed the Rolling Trophies, Cash Prizes, Individual Prizes and Certificates to four prize Winners and grace the function with his presence.

Dr. S. Chandran, Director of Physical Education and Organizing Secretary Introduced the Chief Guest in the Prizes distribution function and Organized the Tournaments Successfully along with Dr. R. Auvai, Deputy Director of Physical Education and Mr. T.Velmurugan, Physical Training Instructor.

STATE LEVEL SILVER JUBILEE TROPHY BALL BADMINTON TOURNAMENT (WOMEN) – RESULTS

B.S. Abdur Rahman University, Vandalur won the State Level Silver Jubilee Trophy Ball Badminton tournament for Women held at B. S. Abdur Rahman University Campus on 23th February 2016. In the final league match the host defeated St. Joseph's Institute of Technology, Chennai by 35-20, 35-26.

WINNERS	:	B. S. Abdur Rahman University
RUNNERS - UP	:	St. Joseph's Institute of Technology
III PLACE	:	SDNB Vaishnav, Chennai
IV PLACE	:	VSA Group of Institutions, Salem

STATE LEVEL SILVER JUBILEE TROPHY BALL BADMINTON TOURNAMENT (MEN) – RESULTS

WINNERS	:	SRM University
RUNNERS - UP	:	St. Joseph's College of Engineering
III PLACE	:	B. S. Abdur Rahman University
IV PLACE	:	Valliammai Engineering College

STATE LEVEL DR. B. S. ABDUR RAHMAN FOUNDER'S FOOTBALL TOURNAMENT (MEN) – RESULTS

WINNERS	:	Jeppiaar Engineering College, Chennai
RUNNERS - UP	:	B. S. Abdur Rahman University, Chennai
III PLACE	:	SSN College of Engineering, Chennai
IV PLACE	:	Tagore Engineering College, Chennai

STATE LEVEL PROF. S. PEER MOHAMED MEMORIAL TROPHY BASKETBALL TOURNAMENT (MEN) – RESULTS

WINNERS	:	Jeppiaar Institute of Technology, Chennai
RUNNERS - UP	:	St. Joseph's Engineering, Chennai
III PLACE	:	B. S. Abdur Rahman University, Chennai
IV PLACE	:	Vels University, Chennai

Our University Ball Badminton (Men and Women), Chess (Men), Table Tennis (Women), Basket Ball (Men), Volley Ball (Men), Kabaddi (Men) teams participated in the JETS-2014 Tournaments organized by **St. Joseph's** College of Engineering, Chennai from 12.03.2016 to 14.03.16. The following teams won the Prizes with Cash awards.

Results:

Ball Badminton Women Team – Runners Up Position with Cash Award Rs.6000/-
Trophy + Medals & Certificates

Table Tennis Women Team – III Place with Cash Award Rs.1000/-
Trophy + Medals & Certificates

Ball Badminton Men Team – IV Place with Cash Award Rs.2000/-

Foot ball Men Team – IV Place with Cash Award Rs.2000/-

ACADEMIC COUNCIL

MEMBERS OF ACADEMIC COUNCIL

Sl. No.	Name and Address	Position
1.	Dr. V.M. Periasamy, Vice Chancellor B.S. Abdur Rahman University, Seethakathi Estate, Vandalur, Chennai 600 048.	Chairman
2.	Dean, School of Infrastructure Sciences B. S. Abdur Rahman University, Vandalur, Chennai – 600 048.	Member
3.	Dean, School of Mechanical Sciences Prof. & Head., Dept. Of Mech. Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
4.	Dean, School of Electrical & Communication Sciences, B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
5.	Dean, Crescent School of Architecture B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
6.	Dean, School of Physical and Chemical Sciences B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
7.	Dean, School of Social Sciences and Humanities B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
8.	Dean, School of Islamic Studies B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
9.	Dean, School of Life Sciences B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
10.	Dean, School of Computer, Information & Mathematical Sciences B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
11.	Dean , Crescent Business School B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
12.	Dean (Academic Affairs) B.S. Abdur Rahman University, Vandalur, Chennai 48.	Member
13.	Dean (Academic Research) B. S. Abdur Rahman University, Vandalur, Chennai – 48	Member
14.	Dean (Student Affairs) Prof. & HOD, Polymer Engineering, B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
15.	Director (Admissions & Campus Development) B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
16.	Director, International Collaboration B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
17.	Controller of Examinations, B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member

Sl. No	Name and Address	Position
HEADS OF DEPARTMENT		
18.	Head., Dept. of Civil Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
19.	Head., Department of Electronics and Communication Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
20.	Head., Department of Computer Science & Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
21.	Head., Dept. of Information Technology. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
22.	Head., Dept. of Automobile Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
23.	Head., Department of Aerospace Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
24.	Head., Dept. of Mechanical Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
25.	Head., Dept. of Electrical & Electronics Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
26.	Head., Dept. of Polymer Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
27.	Head., Department of Electronics & Instrumentation Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
28.	Head., Department of Computer Applications B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
29.	Head. Department of Mathematics B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
30.	Head., Department of Physics B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
31.	Head., Department of Chemistry B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
32.	Head., Department of English B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
33.	Dr. Angelina Geetha, Professor, Department of Computer Science & Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
34.	Dr. Haider Yasmin Professor, Crescent Business School B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
35.	Dr. S. Kutti Rani Professor, Department of Chemistry, B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
36.	Prof. R. Rajaraman, Professor, Department of Mechanical Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member

Sl. No	Name and Address	Position
37.	Dr. W.Aisha Banu Professor , Department of Computer Science and Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
38.	Dr. N. Hajara Beevi Professor, Department of Chemistry B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
39.	Dr. C. Tharini Professor, Department of Electronics & Comm. Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
40.	Dr. U. Sabura Banu Professor, Department of Electronics & Inst. Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
41.	Dr. S. Srinivasan, Professor, Department of Mathematics B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
42.	Dr. E. Rajakuperan, Professor, Department of Aero Space Engineering B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
ASSOCIATE PROFESSORS		
43.	Ms. T. Nagamalar Associate Professor, Department of Computer Science & Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
44.	Ms. Nasreen Kaleem Associate Professor, Department of Mechanical Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
45.	Ms. X. Arputha Rathna Associate Professor, Department of Computer Science & Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
46.	Ms. S. Shahar Banu, Assistant Professor (Sel. Gr.), Department of Computer Applications, B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
47.	Ms. K. Yogeswari Assistant Professor (Sel. Grade), Crescent School of Architecture B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
48.	Mr. Y. Mohamed Shuaib Assistant Professor (Sel. Gr.), Dept. of Electrical & Electronics Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member

Sl. No	Name and Address	Position
EDUCATIONISTS NOMINATED BY THE CHANCELLOR (PRESIDENT)		
49.	Prof. Syed Mahdi Abbas Rizvi, Professor, Dept. of Mechanical Engineering Aligarh Muslim University, Aligarh – 202 002.	Member
50.	Dr. S.P. Thyagarajan, (Former Vice-Chancellor, University of Madras), Pro-Chancellor (Research), Sri Ramachandra University, Porur, Chennai – 600 116.	Member
51.	Prof. Thangamuthu (Former Vice Chancellor, Bharathidasan University) No. 74, Agni Fairy Land, Thandalam, Chennai – 600077.	Member
52.	Dr. Ashok Vasudevan Managing Director FESTO Controls Private Limited Global Production Centre 225 & 226, Bommasandra Indl, Area, Off Hosur Road, Bangalore – 560099 Email : ashok_vasudevan@in.festo.com	Member
53.	Dr. K. Sriram Manager – Composite Material Behaviour GE India Technology Centre Pvt. Ltd., 122, EPIP, Phase – 2, Whitefield Road, Bangalore – 560066. Email : sriram.k@ge.com	Member
54.	Dr. Jagadesh Kumar Professor of Electrical & Electronics Engg. IIT Madras, Chennai.	Member
ALUMNI REPRESENTATIVE		
55.	Mr. K Bhaskar, Technical Manager, Embedur System, J.V.L. Plaza, 5 th Floor, Teynampet, Chennai – 600 018.	Member
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56.	Mr. Abdul Qadir A. Rahman Buhari Chairman, Board of Management B.S. Abdur Rahman University Vandalur, Chennai – 600 048.	Member
57.	Dr. S.K. G. Ganesh Professor, Crescent Business School B.S. Abdur Rahman University, Vandalur, Chennai – 600 048	Member
NON-MEMBER SECRETARY		
58.	Dr. V. Murugesan Registrar, B.S. Abdur Rahman University, Vandalur, Chennai 600 048.	Non Member Secretary