

B.S. ABDUR RAHMAN  
**CRESCENT UNIVERSITY**

B.S. Abdur Rahman Crescent Institute of Science & Technology  
(Estd. u/s 3 of the UGC Act, 1956)

SEETHAKATHI ESTATE, G.S.T. ROAD, VANDALUR, CHENNAI – 600 048.



# ANNUAL REPORT

## 2016 - 17



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# 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**

Professor Emeritus Tan Sri Dato Sri Ir. Dr. Sahol Hamid Bin Abu Bakar

### **REGISTRAR**

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### **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. M. MURUGAN, B.E., M.E., Ph.D.

### **DEAN (ACADEMIC RESEARCH)**

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

### **DEAN (STUDENT AFFAIRS)**

Dr. P.K. JAWAHAR, B.E., M.Tech., 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)**

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**DEAN (SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES)**

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**DEAN (SCHOOL OF SOCIAL SCIENCES AND HUMANITIES)**

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**DEAN (SCHOOL OF ISLAMIC STUDIES)**

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

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**DIRECTOR (POLYMER NANOTECHNOLOGY CENTRE)**

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**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. U. SABURA BANU, B.E., M.S., 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**

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

## **SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES**

### **DEPARTMENT OF PHYSICS**

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

### **DEPARTMENT OF CHEMISTRY**

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

## **SCHOOL OF SOCIAL SCIENCES & HUMANITIES**

### **DEPARTMENT OF ENGLISH**

Dr. 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 Professor Emeritus Tan Sri Dato Sri Ir. Dr. Sahol Hamid Bin Abu Bakar, 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:**

The National Board of Accreditation visited our University during, April 15 -17, 2016 to consider accrediting five M.Tech. programs, namely, M.Tech.. (Construction Engineering & Project Management), M.Tech. (CAD- CAM), M.Tech.. (Power Electronics and Drives), M.Tech.. (VLSI & Embedded Systems), M.Tech. (Information Technology) and granted 3 years accreditation for all the 5 PG programs. Subsequently another NBA team visited our University on August 19 - 21, 2016 for accrediting Five B.Tech. programs, namely, B.Tech. Civil, B.Tech. ECE, B.Tech. E&I, B.Tech. CSE and B.Tech. IT and granted accreditation for 3 years for all the 5 programs. These 5 programs accreditation for the B.Tech. is under the Washington Accord Registry signifying that these accreditations are internationally recognized and with substantial equivalence to accreditation bodies like ABET.

### **NATIONAL INSTITUTIONAL RANKING**

Our institution participated in the National Institutional Ranking Framework of MHRD, Govt. of India for the second consecutive year in 2017. This year our rankings are as follows.

As an Engineering Institution	: All India 89 (out of 1007 institutions)
As a University	: All India 100
As a Management Institution	: In the Rank band of 75 – 100 (out of 542 B Schools)

### **BOARD OF MANAGEMENT & FINANCE COMMITTEE MEETING**

The 10<sup>th</sup> and 11<sup>th</sup> meetings of the Board of Management were held on 27.09.2016 and 09.12.2016. Among other decisions, the Board of Management also

approved the renaming of our University as B.S. Abdur Rahman Crescent University. Our Registrar has initiated steps to formalize this name change.

**The Schools and Department attached is shown below:**

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

## ACADEMIC COUNCIL

The ninth academic council of the University was held on July 29, 2016 and approved the revised curriculum and syllabus of all PG programmes of the University. The academic council also approved the plan to go for major revision in the UG curriculum from the academic year 2017-18 onwards and guided that the choices given to the students in choosing courses are to be enhanced in the new curriculum so that, the University go ahead towards implementing a more meaningful full-fledged choice based credit system.



## INTERNAL QUALITY ASSURANCE CELL (IQAC)

- ❖ Internal Quality Assurance Cell report for the academic year 2015-16 was submitted to NAAC and also uploaded in our Website on 7<sup>th</sup> June 2016.
- ❖ The IQAC report for the year 2015-16 was placed in the 9<sup>th</sup> meeting of academic council held on 29<sup>th</sup> July 2016 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 13<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup> July 2015.

## ADMISSION 2016-17

- ❖ 1117 candidates have been admitted in various branches of B.Tech., B.Arch., B.C.A., B.Sc.(C.S) and B.A. Islamic programmes in the academic year 2016-17.
- ❖ For PG Programmes the concerned departments conducted written test and interview and selected the candidates for admission.
- ❖ All Engineering, Science & Humanities Departments offer Ph.D. programmes in full time and part-time modes.

## CONVOCATION FOR UG / PG PROGRAMMES

- ❖ **The Sixth Convocation** for all UG / PG programmes of B.S. Abdur Rahman University was held on 20<sup>th</sup> November 2016 and 27<sup>th</sup> November 2016
- ❖ The Chief Guest for the Convocation on 20<sup>th</sup> November 2016 was Dr. V.K. Saraswat, Member, NITI Aayog, Govt. of India Former Scientific Adviser to Raksha Mantri Secretary (R & D) to Ministry of Defence & Director General DRDO & ADA.
- ❖ The Chief Guest for the Convocation on 27<sup>th</sup> November 2016 was Mr. Mohan Narayanasamy, MD and Chief Operating Officer, iNautix Technologies India. A special address was given by Mr.N. Balakrishnan President, TVS Sundaram Fasteners Ltd.

## UG DEGREE PROGRAMME

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

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	19	-	All our programmes are self financing programmes	-
PG	24	6 * M.Tech. Polymer Technology, * M.Tech. Structural Engineering. * M.Tech. Construction and Project Management, * MBA (offered in flexible mode) * M.Sc. Sonology * M.A. Islamic Studies		-
UG	14	3 B.Sc. Computer Science BCA (CT&IS) BCA (MT&IS)		13 CSE-1 IT-3 ECE-1 EIE-3 Mechanical - 1 Aero-1 SLS-3
PG Diploma	3	-		-
Advanced Diploma	-	-		-
Diploma	1	-		-
Certificate	1	-		-
Others	-	-		-
Total	63	7	-	13



## **PARENT TEACHERS MEETING**

The parents' teacher meeting was held on 1<sup>st</sup> October 2016. Around 1000 parents have attended the meeting. The main agenda for the meeting was to provide information about the academic progress of their wards to their parents and get their feedback for continuous improvement.

## **ISO 9001:2008**

ISO Audit was held on 26<sup>th</sup> and 27<sup>th</sup> September 2016 and the quality system of the University was certified to adhere to ISO 9001:2008.

## **MoUs SIGNED**

- The University entered into an MoU with Ministry of Economic Affairs, Taiwan for talent recruitment on 21st October 2016.
- B S A U entered into an MoU with Missouri University, Colombia, USA during February 2017 on International academic co-operation.
- MOU was signed between M/s Revature, a US based firm who are pioneer in Online Training & Placements, and our University, for providing internship to students.
- School of Life Sciences signed MOU with Biozone Research Technologies Pvt. Ltd., Chennai, on 7th April 2016.
- School of Life Sciences signed MOU with V Clinbio, USA on 8th June, 2016
- MOU was signed on August 2, 2016 with University of East London, UK
- MOU was signed with Geomarine Bio Technologies on 24<sup>th</sup> November 2016
- MoU was signed with Aaranya biosciences on 24<sup>th</sup> November 2016
- MoU was signed with Hi Rise Food Technologies on 24<sup>th</sup> November 2016
- School of Life Sciences has signed an MoU on 17.2.17 with iBig foundation, Chennai to do collaborative research in biological big data informatics.
- School of Life Sciences signed an MoU with Saveetha Dental College, Saveetha University, Chennai on 15<sup>th</sup> March 2017

## **ISTD**

Our university organised the first national technical festival "CRESTECH" on 24th and 25th March 2017. About 31 events were organised by all department students and students from about 80 colleges participated in this mega festival. The inaugural function was held on 24th March 2017. Mr.P.Arul Kumar, Joint Managing director, Mando Automotive India Pvt Ltd was the chief guest.

### **Literary Day 2016:**

Literary Day 2016 was conducted on 2<sup>st</sup> November 2016, the biggest success story of the year was written with the entire ISTD-C team working brilliantly to make Literary Day '16 happen. The day had 13 events and 150+ participants turned up for making the event successful.

## **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.

### **1. RESEARCH INCENTIVE SCHEME FOR THE YEAR 2014-15:**

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 sixth time, we are offering this award to our faculty members. The period under consideration was from 1<sup>st</sup> July 2014 to 30<sup>th</sup> June 2015. This year (2016), a cash award of Rs. 6,27,300/- was presented to the faculty members in an exclusive function, which was presided by our Chairman / Board of Management along with the presence of our Vice Chancellor & Registrar held on 22<sup>nd</sup> Oct 2016.
  - ❖ Earlier circulars were sent to all the faculty members, to submit their claims for their Research performance, for the period from 1<sup>st</sup> July 2014 to 30<sup>st</sup> June 2015, under Research Incentive Scheme. We have received 71 claim forms for the Research Incentive Scheme.
  - ❖ The details of the award are furnished in the following table.

<b>Sl.No.</b>	<b>Year</b>	<b>No. of Faculty</b>	<b>Amount awarded</b>
I	2009-10	14	<b>1,73,445</b>
II	2010-11	19	<b>2,22,086</b>
III	2011-12	31	<b>3,83,875</b>
IV	2012-13	62	<b>7,33,280</b>
V	2013-14	59	<b>5,61,063</b>
VI	2014-15	63	<b>6,27,300</b>



❖ Our Chairman wanted to reiterate the “significance of research contribution”, as well as to “encourage and motivate” our faculty members” and hence he announced an enhancement of incentive amount from Rs. 15,000/- (Rupees Fifteen Thousand Only) to Rs. 30,000/- (Rupees Thirty Thousand Only), for each of the credit earned by our faculty members under B.S.A.U., Research Incentive Scheme starting from next year.

2. An Award titled “**VELAYUTHA MUDALIAR TRUST’S AWARD – I**”, for the publication in the journals “NATURE” AND “SCIENCE”, is Instituted and the details of the award are furnished below:

- Name of the award : VELAYUTHA MUDALIAR TRUST’S AWARD
- Prize Money : Rs. 1,00,000/- (Rupees One Lakh only)
- Eligibility Conditions :
  - Regular faculty members of B.S. Abdur Rahman University and Research Scholars of B.S. Abdur Rahman University alone are eligible for this award.
  - The award is given only to the first author. (It is the discretion of the first author to share the award with the co-authors).
  - If the first author is not a regular faculty member or a research scholar of this university, then that publication will not be considered for the award.
  - The publication will be considered for the award only if the work carried out in the laboratories of BSAU and the publication carries B.S. Abdur Rahman University’s affiliation.
  - This award comes into effect for the articles published on or after 1st July 2015.
  - The award is meant for publications only in “Nature” – ISSN : 0028-0836 / EISSN : 1476 – 4687 and in “Science” – ISSN : 0036 – 8075 / 1095 – 9203.

3. Another Award Titled “**VELAYUTHA MUDALIAR TRUST’S AWARD – II**”, for the Research Publications with highest impact factor, is also Instituted and the details are given below.

- The Research Publication with highest impact factor, made in a calendar year is eligible.
- The impact factor (SNIP) furnished by Scopus alone will be taken in to consideration.
- Regular faculty members of B.S. Abdur Rahman University alone are eligible for this award.
- The award will be shared by the authors.
- If any author is not a regular faculty member or a research scholar of this university, then the award will not be shared by them.
- The publication will be considered for the award only if the publication carries B.S. Abdur Rahman University’s affiliation.
- This award comes into effect for the articles published on or after 1<sup>st</sup> January 2016.

#### **4. Study Abroad Program by IUPUI, USA**

A delegation of 8 Students and 3 Faculty from IUPUI, USA, visited B. S. Abdur Rahman University for a Study Abroad Program during March 12-17, 2016 to learn the best practices in teaching and research at our University and the culture practices.



#### **5. Purchase of SEM – a Central Research Facility:**

- ❖ Action has been initiated for the creation of “Central Research Facilities” and strengthening the existing facilities, through addition of Research Equipment and Gadgets. In this connection, it has been decided to purchase Scanning Electron Microscope (SEM).

- ❖ In connection with the same, a technical presentation on the various features of SEM & FESEM was presented by Mr. Anotnin Doupal, Product Specialist, Czech Republic on 13.02.2017, another presentation by ZEISS on 22.03.2017 & another presentation by TESSEN on 02.09.2016.

## 6. NBA ACCREDITATION

- ❖ The following 5 programmes have been Accredited by NBA under Tier I Accreditation process, subsequent to the visit of Expert Team during 19-21 Aug 2016

S.No.	Name of the Programme	Accreditation Status	Period of validity	Valid upto
1.	B.Tech. (Computer Science & Engineering)	Provisionally Accredited	3 years	2018
2.	B.Tech. (Information Technology)			
3.	B.Tech. (Electronics & Communication Engineering)			
4.	B.Tech (Electronics & Instrumentation Engineering)			
5.	B.Tech (Civil Engineering)			

- ❖ The following 5 programmes have been Accredited by NBA under Tier I Accreditation process, subsequent to the visit of Expert Team during 15-17 April 2016

S.No.	Name of the Programme	Accreditation Status	Period of validity	Valid upto
1.	M.Tech. (Construction Engg. & Project Management)	Provisionally Accredited	3 years	2018
2.	M.Tech. (CAD / CAM)			
3.	M.Tech. (Power Electronics & Drives)			
4.	M.Tech. (VLSI & Embedded Systems)			
5.	M.Tech. (Information Technology)			

- ❖ Also, the Self Assessment Report of the following 3 Programmes have been already submitted and the Accreditation process is likely to take place during May 2017.

S.NO.	Name of the Programme
1.	B.Tech. (Mechanical Engineering)
2.	B.Tech. (Electrical and Electronics Engg.)
3.	M.Tech. (Electronics & Instrumentation Engg.)

## 7. “Best Practices” Award to the Office of Dean (AR)

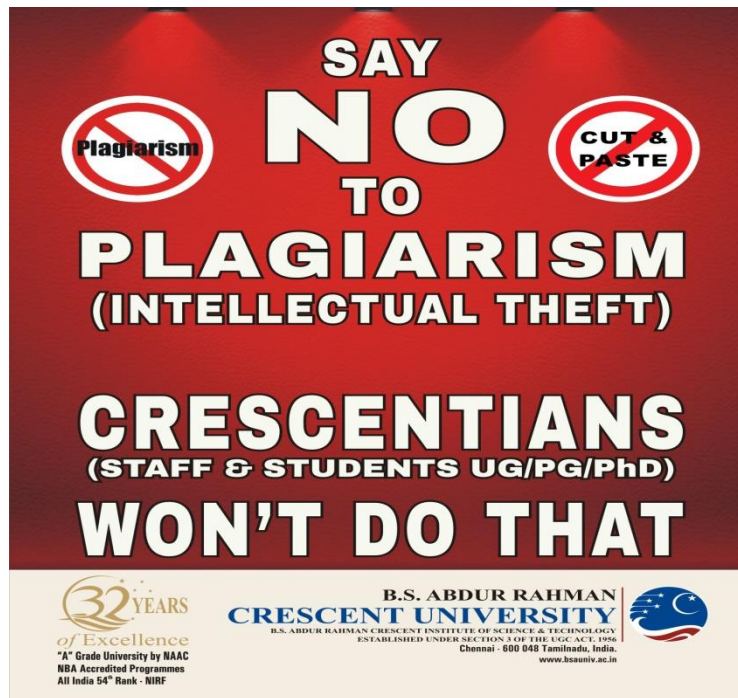
- ❖ Our University been awarded for the best practices in the “Academic Research” Category, instituted by ICT Academy during their Silver Jubilee Celebration. The Award was received by our Chairman / Board of Management & Dean (AR) in a function held at ICT Grand Chola, Chennai on 28th February 2017.



## 8. ANTI PLAGIARISM CAMPAIGN

- ❖ The culture of viewing plagiarism as an intellectual theft is to be inculcated to all our students (UG, PG & Ph.D.) and faculty members. With this as objective an extensive "Say No to Plagiarism" campaign has been launched by our University. Posters were distributed for creating awareness among students & staff and awareness Campaign were organized by all the departments of this University.





## 9. MoUs SIGNED

- ❖ MoU was signed between “B.S. Abdur Rahman University” and “University of Missouri, USA” during the recent visit by the Dean (AR) to US. The following specifics have been worked out to strengthen the collaboration between the two Universities.
  - Student Exchange
  - Faculty Exchange
  - Course on “Innovation” for the UG students School of Life Sciences
  - International Advisory Board (IAB)
  - Special Advisor for Research
  - Joint Conference / Seminar
  - Commercial Research



## 10. CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

(A) List of Guest Lectures arranged through Research Forum by the Office of Dean (AR) is given below:

Sl. No.	Topic of the Lecture	Name of the Speaker	Affiliation of the Speaker	Date
1.	Process Automation and Optimization	Dr. T.R. Rangaswamy	Professor / EIE & Dean (AA)	29.03.2016
2.	Design Teaching Learning Pedagogy	Prof. G. Jayalakshmi	Professor & Dean / Architecture	29.03.2016
3.	Fractional Calculus for Engineering Applications	Dr. Ganga Ram Gautam	Banaras Hindu University, Uttar Pradesh	29.04.2016
4.	Experimental facilities of the Centre for High Pressure Research and recent trends in superconductivity	Dr. S. Arumugam	Professor & Coordinator, Centre for High Pressure Research, Bharathidasan University	15.06.2016

(B) To emphasize the quality aspects of Research, Periodical training / Workshop is organized this year also, a similar workshop was organized during Dec 2-3, 2016 titled "Quality Assurance in Academic Research".

The details of the workshop is given below:

Sl. No.	Topic of the Lecture	Name of the Speaker
1.	Research – What and How?	Dr. V.Jagadeesh Kumar, Dean (Academic Courses), IITM
2.	Difference between course based education and research	Dr. Shreepad Karmalkar, Professor, IITM
3.	Converting Academic Research to Intellectual Property	Dr. M. Kanthababu, Director, Centre for IPR, Anna University
4.	Pursuing Academic Research – An overview	Dr. V. M. Periasamy

5.	How to write good Research Papers?	Dr. V. Sankaranarayanan
6.	Effective writing & presentation of the Research work	Dr. R. Ganesan, Former Advisor, BSAU
7.	Reporting the outcomes of Research	Dr. E. Raja Kuperan
8.	Modeling and Simulation	Dr. P. Kanagasabapathy
9.	Fellowship / Financial support for Research	Dr. V. Murugesan
10.	Data Analysis	Dr. M. Murugan
11.	Interaction with Dean (AR)	Dr. R. Raja Prabu
12.	E-Resources in Research	Dr. S. S. M. Abdul Majeed
13.	Design of Experiments	Dr. R. Sathish Kumar

#### 11. CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Dr. R. Raja Prabu participated in a Two Day workshop on “Inter University Research Collaborations”, organized by Association of Indian Universities (AIU) during 18th and 19th Nov 2016, at VIGNAN University, Guntur, Andhra Pradesh.
- Dr. R. Raja Prabu attended “QS Summer School Summit” during 5-8 December 2016 at Chennai.
- Dr. R. Raja Prabu attended a workshop on "QS Seminar on University Rankings, Ratings and Other Strategies" on 9th March 2017 at MIT Art, Design and Technology University, Pune, India.

#### 12. PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES FOR THE PERIOD JAN 2016 to DEC 2016 (for the University)

National Conference	International Conference	National Journal	International Journal	Total
47	103	116	131	397

#### 13. DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES (Department wise for the Calendar year 2016):

<b>B.S.A.U. RESEARCH PUBLICATIONS STATISTICS FROM JAN 2016 TO DEC 2016</b>						
<b>S. No.</b>	<b>Department</b>	<b>2016</b>				<b>GRAND TOTAL</b>
		<b>INJ</b>	<b>NJ</b>	<b>INC</b>	<b>NC</b>	
1	Aerospace	3	1	-	-	<b>4</b>
2	Architecture	-	2	-	-	<b>2</b>
3	Automobile	3	7	1	11	<b>22</b>
4	CSE	8	21	8	1	<b>38</b>
5	Civil Engineering	5	5	4	4	<b>18</b>
6	CA	4	9	9	4	<b>26</b>
7	Chemistry	15	18	-	-	<b>33</b>
8	ECE	7	7	17	1	<b>32</b>
9	EIE	6	2	13	1	<b>22</b>
10	EEE	8	6	20	5	<b>39</b>
11	English	5	5	-	1	<b>11</b>
12	SSSH	1	-	-	-	<b>1</b>
13	IT	2	6	2	1	<b>11</b>
13	Management Studies	4	2	1	-	<b>7</b>
14	Mathematics	3	11	4	4	<b>22</b>
15	Mechanical	8	6	4	7	<b>25</b>
16	Physics	36	4	2	-	<b>42</b>
17	Polymer	3	2	1	-	<b>6</b>
18	Library	-	1	-	-	<b>1</b>
19	School of Life Sciences	9	1	8	4	<b>22</b>
20	School of Islamic Studies	1	-	6	3	<b>10</b>
21	PED	-	-	3	-	<b>3</b>
	<b>GRAND TOTAL</b>	<b>131</b>	<b>116</b>	<b>103</b>	<b>47</b>	<b>397</b>

#### 14. DETAILS OF IMPACT FACTOR OF THE PUBLICATION and h-Index

- a) RANGE : 0.924 – 9.284
- b) AVERAGE : 2.201
- c) h-INDEX : 30 (i.e as on 31.12.2016)

#### 15. ACHIEVEMENTS OF STUDENTS / SCHOLARS:

❖ Ph.D Degree from B.S.A.U.

- Seven Ph.D. scholars and Two M.Tech (By Research) were awarded degree during the Sixth Convocation held on 20.11.2016. 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	0982205	Studies on Carbon nano tube and Graphene oxide reinforced polyimide electrospun nano fiber composites	Mr. M. Dakshnamoorthy	Dr. R. Vasanthakumari
2	1086218	Power Management Approaches for Virtualized Server Cluster Environment	Mr. V.K. Mohan Raj	Dr. R. Shriram
3	1181211	Effect of Surfactants on the Characteristics of Electroless Ni-P-Nano-TiO <sub>2</sub> Composite Coatings	Mr.T.R.Tamilarasan	Dr. R. Rajendran
4	0986203	Algorithms for Implementing Strategies to Detect and Mitigate Web Application Vulnerabilities	Ms. Fouzul Hidayah	Dr. Angelina Geetha
5	1190211	Synthesis and Characterization of rare earth doped phosphors for lighting applications	Mr.A.John Peter	Dr. I. B. Shameem Banu
6	1391141	Kinetics and Mechanism of VO <sup>2+</sup> and Cu <sup>2+</sup> ions Catalyzed oxidation of Amino acid by Peroxomonosulphate	Mr. L. Kanniappan	Dr. D. Easwaramoorthi
7	1091207	Rearrangement of substituted Aryloxymethyl chromones and mechanistic investigation – Synthesis of Hydroxyhomoisoflavones and Homopterocarpan	Mr. K. Devarajan	Dr. S. Bhagavathi
8	1263201	Deduction of pilferage of energy using PLC signals of smart meters	Mr. D. J. Taniguevelane	Dr. K. N. Srinivas
9	1262206	Studies on Halloysite Nanotubes (HNT) Natural Rubber Nanocomposites for Mechanical, Thermal and Wear Properties	Mr. Anand Narayanan	Dr. R. Vasanthakumari



### VI<sup>th</sup> convocation held on 20.11.2016

❖ Viva-Voce Exam completed

- Two Ph.D. scholars have completed the Viva Voce Examination and are awaiting for the convocation date.

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Date of Viva Voce	Title/Topic Research
1.	Ms. S. Jainab Zareena	Management Studies	1093211	Dr. Haider Yasmeen	31.01.17	Employability Status of Engineering Students: A Comparison of Private Staff financing Engineering Colleges and Private Deemed Universities
2.	Mr.S.Vikram	Physics	1190208	Dr. R. Vasanthakumari	13.03.17	Synthesis, Suspension stability and Hydrodynamics of Iron Oxide Nanoparticles for Biomedical Application

❖ Thesis Submitted

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

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Date of Submission of Thesis	Title/Topic Research
1.	Mr. C.D. Nanda Kumar	Mathematics & AS	0989201	Dr. S. Srinivasan	19.10.16	Some Stochastic Models for Determination of Optimal Reserve Inventory
2.	Mr. M.G. Fajlul Kareem	Mathematics & AS	0989202	Dr. P. S. Sheik Uduman	30.12.16	Analysis of Nonlinear Mathematical

						Models of Tumor Growth
3.	Mr. M. Syed Masood	CA	0994201	Dr. P. Sheik Abdul Khader	06.03.17	Enhanced Routing and Queue Management Techniques for Performance Improvement in Mobile Ad hoc Networks
4.	Ms. P. Latchoumy	CA	0994202	Dr. P. Sheik Abdul Khader	25.03.17	Integrated Proactive and Reactive Failure Handling Strategies to improve the Services in Computational Grid
5.	Ms. G.S. Annie Grace Vimala	ECE	1084208	Dr. S. Kaja Mohideen	21.07.16	Analysis of Human Retinal Morphology for the Identification of Diabetic Retinopathy and Maculopathy using Fundus Images
6.	Mr. J. Salai Thillai Thilagam	ECE	1084210	Dr. P. K. Jawahar	13.10.16	Design and Analysis of Microstrip Fractal Antennas for Wireless Communication Appli
7.	Ms. P. Veeralakshmi	CSE	1086214	Dr. Latha Tamilselvan	17.03.17	Development of Confidentiality, Integrity, Authentication Model for Assuring Data Security in Cloud Computing
8.	Mr. Nadana Ravishankar T	CSE	1186220	Dr. R. Shriram	25.02.17	Grammar Rule based Sentiment Analysis Techniques for Tamil tweets Classification
9.	Mr. U. D. Benson	Polymer	1262207	Dr. S. S. M. Abdul Majeed	26.01.17	Natural Rubber/OMMT Nanocomposites for Reinforcement in Tyre Ply
10.	Ms. A. Divya	Mathematics & AS	1289214	Dr. P. S. Sheik Uduman	30.12.16	Analysis of Risk factors of Heart Disease Using

						Decagonal Fuzzy Models
11.	Mr. Pervaiz Iqbal	Mathematics & AS	1289215	Dr. P. S. Sheik Uduman	22.11.16	Mathematical Modeling, Performance Analysis and Optimization of Operating System of Paper Plant
12.	Ms. R. Sasikala	Chemistry	1291235	Dr. S. Kutti Rani	09.01.17	Synthesis, characterization and applications of rare earth metal loaded copper oxide nanoparticles
13.	Mr. G. Sridhar	Chemistry	1291238	Dr. I. Mohammed Bilal	21.03.17	Studies on the Synthesis, Characterisation and Antimicrobial Applications of Schiff Base Metal Complexes
14.	Mr. Mahalingam V	Physics	140903101003	Dr. I. Raja Mohamed	16.03.17	Synthesis and Characterization of Rare Earth Doped Molybdate and Tungstate Phosphors for Lighting Applications
15.	Mr. Kalim Abdul Rashid Mumtazz Deshmukh	Physics	140903104002	Dr. M. Basheer Ahamed	08.03.17	Graphene Oxide and Transition Metal Oxide Reinforced Flexible Polymer Composites as High Dielectric Constant Materials for Energy Storage Applications

❖ Synopsis Submitted

- Six Ph.D. scholars have submitted their Synopsis

SI. No.	Name	Dept.	RRN	Supervisor Name & Designation	Date of Submission of Synopsis	Title/Topic Research
1.	Ms. Vidya Sathish	CA	0994203	Dr. P. Sheik Abdul Khader	25.03.17	Implementation of distributed mining Algorithm in distributed environment for privacy preserve

2.	Mr. S. Udhaya Kumar	CSE	1086210	Dr. Latha Tamilselvan	20.12.16	Adaptive trust model with attestation for software services in cloud environment
3.	Mr. Vijayakumar S	English	1192204	Dr. A. Shahin Sultana	30.12.16	Teaching Academic Writing to the Students of Engineering using Multimedia Tools an Experimental Study
4.	Mrs. Ruby Annette J.	IT	130873707001	Dr. W. Aisha Banu	14.02.17	A Multi Criteria Recommendation Engine for Cloud Renderfarm Services
5.	Ms. V.K. Subhashree	ECE	1384118	Dr. C. Tharini	02.03.17	Analysis on the Performance of Energy Efficient Routing and Fault-Tolerant Data Aggregation Algorithms for Wireless Sensor Networks
6.	Mr. Nazir Ahmad Mir	English	1392106	Dr. A. Shahin Sultana	14.02.17	Teaching English to the Children (Upper Primary Level) of Government Schools in Jammu and Kashmir State through Task-Based Approach: An Experimental Study

❖ Ready for Synopsis Submission

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

Sl. No.	Name	Dept.	RRN	Supervisor Name & Designation	Title/Topic Research
1.	Mr. R. Jaya Prakash	Chemistry	0991205	Dr. D. Easwaramoorthi	Synthesis and characterization of imidazole derivatives
2.	Ms. S. Murugeswari	ECE	1084206	Dr. S. Kaja Mohideen	Digital Signal Processing
3.	Mr. P. Gnanasekaran	IT	1087202	Dr. T. R. Rangaswamy	QoS based On-Demand Routing Protocol in Mobile Ad Hoc Networks
4.	Ms. Shreedevi G.	CA	1094205	Dr. M. Munir Ahamed Rabbani	Object Recognition and tracking in Video
5.	Ms. Saira Banu	CSE	1186223	Dr. R. Shriram	VOIP
6.	Ms. Shakkeera L	IT	1187204	Dr. Latha Tamilselvan	Design and implementation of efficient job scheduler for dynamic Service and Data Migration in Cloud Computing Environment



7.	Mr. A. Abdul Azeez Khan	CA	1194209	Dr. P. Sheik Abdul Khader	Knowledge Coding System
8.	Mr. Mohd Shahanbaj Khan	SLS	131153701003	Dr. S. Hemalatha	Role of Plant Programmed Cell Death and Autophagy in Pathogenecity Mechanisms
9.	Mr. S.K. Lakshmana Prabu	EIE	1385103	Dr. U. Sabura Banu	Optimal Control of MIMO process using swarm intelligence
10.	Ms. A. Sathiya Priya	Physics	1390118	Dr. I. B. Shameem Banu	Nano Composite Thin Films

## 16. ANY OTHER INFORMATION

- ❖ The 26<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> Meeting of the Research Board were held on 23.06.2016, 26.07.2016 & 30.08.2016 respectively and the highlights of the same are furnished below:

### ➤ Highlights of the 26<sup>th</sup> Meeting of the Research Board

- ❖ Maternity Leave for woman Research Scholars.

Regulation Clause 11.5 :

Woman Research Scholar may avail Maternity Leave / Child Care Leave, once in the entire duration of Ph. D, for a maximum period of 240 days. This period of leave shall not be accounted in the duration of the program.

- ❖ Maximum duration for woman Research Scholars

Regulation Clause 10. 4 :

However, a relaxation up to a maximum of two additional years shall be provided for (i) Women Research Scholars and (ii) Male and Female research scholars with More than 40% Disability.

- ❖ Additional Fellowship of Rs. 2,000/- for JRF / SRF Women Research Scholars.

- I. An additional Fellowship of Rs. 1,000/- for JRF & SRF Women Research Scholars shall be awarded in order to promote the Women Research Scholars, in line with our Founder Chairman's Vision.
- II. This shall be implemented, for the Women Research Scholars who are awarded BSAU Fellowship on or after 01.07.2016.

- ❖ Revision of norm for the Number of Ph.D. Scholars per Supervisor.

- Number of Ph. D scholars per Supervisor is revised as follows an effect from 01.01.2017.

Professor	:	8	Research Scholars
Asso. Professor	:	6	Research Scholars
Asst. Professor	:	4	Research Scholars

- ❖ Revision of Publications Requirement for the submission of Ph.D. synopsis (Publishing in paid Journals).

Regulation Clause 18.2 :

The synopsis shall be accepted only when the Research Scholar has at least two research papers, either published or accepted for publication in Peer Reviewed, Refereed Journals, Indexed by SCOPUS / Web of Science, which are accepted without any Publication Fee

- ❖ Instead of 4 (four) courses to be credited, it may be amended as 12 credits or more.

Regulation Clause 14.2:

As a part of the Research work, the Scholar needs to pursue PG Level Courses and a minimum of 12 credits need to be earned, including a course on Research Methodology. The other courses, shall be relevant to the area of Research and recommended by the respective Doctoral Committee.

Regulation Clause 14.3 A:

If at all, the courses prescribed by the Doctoral Committee including the Directed Study course are either not available or not offered by the Department, under such circumstances, the Scholar may be permitted to pursue the Unavailable Courses either from NPTEL or from any other OCW which conducts the required examination and issue a certificate for the credits earned by the candidate. Such courses shall be limited to One

- Highlights of the 27<sup>th</sup> Meeting of the Research Board

Regulation Clause 7.0 :

#### 7.0 RECOGNITION OF SUPERVISOR

7.1 The applicant for recognition as supervisor shall satisfy the following

- Shall be a full time regular faculty member of this University,
- Shall possess a valid Ph.D. Degree

- (iii) Shall have at least five research publications to his / her credit in refereed journals, if the applicant is a regular professor.

(or)

Shall have at least two research publications to his / her credit in refereed journals, if the applicant is a regular Associate / Assistant Professor.

- ❖ The revised period of Reckoning for the award of credits, under Research Incentive Scheme, will be “Calendar Year” hereafter.

➤ **Other Significant Statistics**

- ❖ More than 122 faculty members of BSAU are recognized as “Approved Supervisors” for guiding the research scholars of this University.
- ❖ 186 faculty members of BSAU are pursuing Ph.D research in various universities.
- ❖ 77 candidates were admitted into Ph.D programme of our university during July 2016 & January 2017 session(s).
  
- ❖ As on date, 502 research scholars are pursuing research in our university in various research topics.
- ❖ Currently, there are 30 Junior Research Fellows and 08 Senior Research Fellows are pursuing research in our university.
- ❖ In addition, government research fellowships like Maulana Azad research fellowships were awarded to seven 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).

➤ **Analysis of Research Publications**

- ❖ It has been a practice of the Office of Dean (Academic Research) to collect the details of Research Publications (INJ, NJ, INC, NC) of the faculty members for our university database once in 3 months, i.e., every quarter and make a analysis of the same.
- ❖ The criteria to be considered for the analysis include the following:
  - Consolidation of research publication once in 3 months
  - Publication trend
  - Citations trend

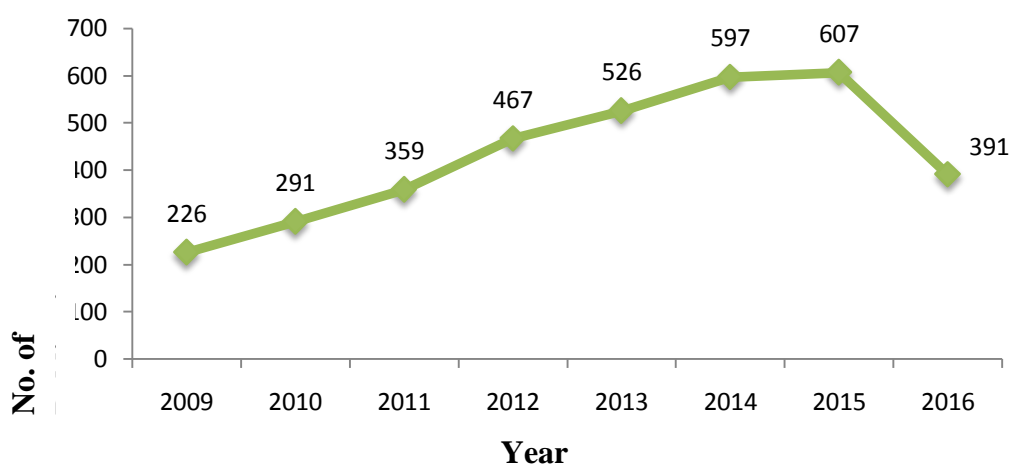
- h-Index analysis

➤ An overview of the Research publications of University as of Dec 2016 is given below:

- ❖ Total no. of Research Publication = 4519
- ❖ No. of Publications for the period 1984 – 2008 = 1055
- ❖ No. of Publications for the period 2009 – Dec 2015 = 3464
- ❖ Total number of faculty = 377

### PUBLICATION TREND

(after becoming university)



(i) Details of Indexed Publications (As on 31.12.2016)

Parameter	Category	
	Journals	Conferences
Total number of publications	1,621	1,843
Indexed	1,200	280
Non-Indexed	421	1,563

**(ii) Details of Peer Reviewed publications (As on 31.12.2016)**

Parameter	Category		Total
	Journals	Conferences	
Total number of publications	1,621	1,843	3,464
Scopus	624	190	814
WOS	274	0	274
IEEE	48	124	172
Google Scholar	1,020	227	1,247

**(iii) Citation Trend: (As on 31.12.2015)**

- ❖ Total no. of citations as on 31.12.2016 = 3997
  - No. of citations from 1984 – 2008 = 1440
  - No. of citation from 2009 – 2016 = 3330
- ❖ Average Citation Index as on 31.12.2016 = 4.104
- ❖ Average Impact Factor of Publications = 1.653

**CITATION TREND**

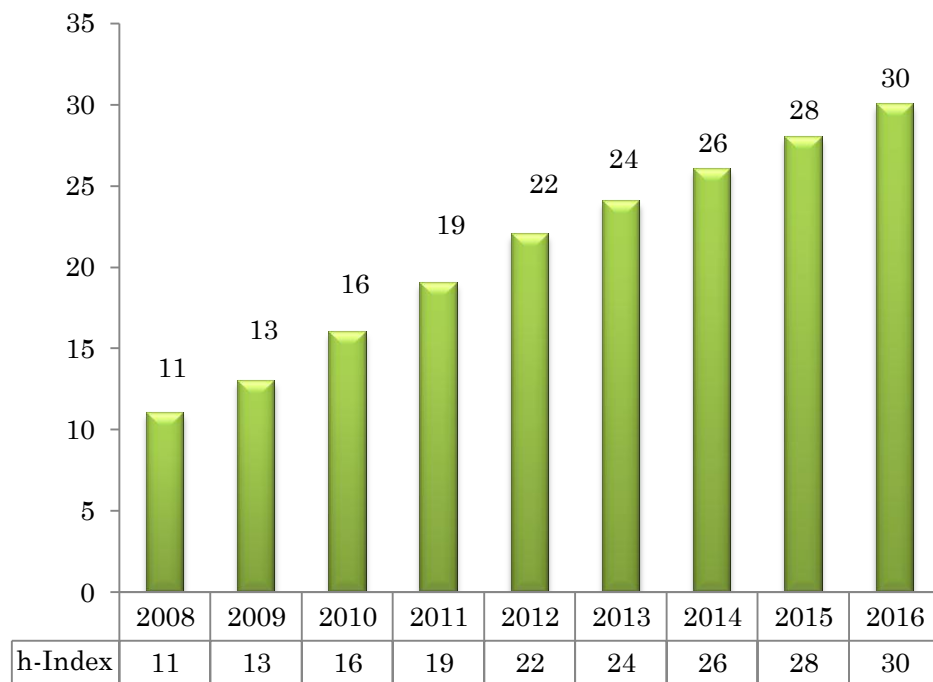
(after becoming university)



➤ **Scopus h-index of B.S.A.U.**

- ❖ The SCOPUS h-index for the research publications of our university is grown to 30, indicating the University's strong foot hold in research.

**Scopus h-index of B.S. Abdur Rahman University (As on 31.12.2016)**



## SPONSORED RESEARCH

During the academic year 2016 - 17, the University had submitted 32 funded projects proposals valued 10 Crore. So far 3 funded projects with a net worth of 0.84 Crore was sanctioned.

Currently the University is operating 24 ongoing research projects sponsored by various funding agencies like DST, SERB, DBT, UGC-DAE, CSIR, and Ministry of Earth Sciences costing 4.47 Crores.

### List of Projects Submitted to Funding Agencies:

S. No.	Title of the Project	Principal Investigator	Name of the Funding Agency	Project Cost (Lakhs)	Date of Submission
1.	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 SLS Dr. U. Sabura Banu Prof. of EIE	R&D Programme Support Indo US low cost medical devises	50.32	21.01.16
2.	Synthesis and Characterization of Al <sub>2</sub> O <sub>3</sub> Dispersed nAl 7150 alloy Composite	Dr. R. Karunanithi Asst. Professor (Sr. Gr.) of Mechanical Engineering	DST - Startup Grant for Young Scientists	27.24	28.01.16
3.	Synthesis , characterization & fictionalization of carbon dots for assorted application.	Sworna Jayanthi fellowship Dr. M. Asha Jonsi , Asst. Prof. ( Sr. Gr) Chemistry	DST	48.00	20.04.16
4.	Investigation of Cooling Load Reduction Approaches for Habitats in a Warm and Humid Climate	Dr. M.V. Molykutty Prof. of Civil Engineering	DST	35.85	13.05.16
5.	Perception of thinking using EEG signals for cognitive recognition	Dr. Aisha Banu Prof/ CSE Mrs. Sharoon Priya, AP ( Sr. Gr) CSE	DST CSIR	10.20	May 2016
6.	Synthesis and photovoltaic properties of DA co polymers based an altyl-substuted selenophene, fwan used pyene as donor unit.	PI - Dr. K. Karthikeyan Asst. Prof ( Chemistry Co-PI- Dr. Vajiravel Murugesan, Chemistry	( SERI) DST	53.00	May 2016
7.	Development of a common Interface for Efficient Utilization of Online Services in Rural Areas	Dr. G. Kavitha Asst. Prof. of Information Technology	TSDP	23. 00	03.06.16

8.	Games and Mobile Apps Based Learning to induce Higher Order Thinking amongst Rural School Students	Dr. Angelina Geetha Prof. of Computer Science & Engineering	Ministry of HRD	13.20	20.06.16
9.	Assessment of forest fire and forest degradation by fuel model and soil moisture anomalies using RISAT data	Mr. N. Maharajan Asst. Prof.Civil Engg.	NRDMS, DST	36.00	June 2016
10.	Development of Hybrid Nano Based BLDC Motor and Validation of the Design by using VLSI Technology	Dr. K. Boopathy Associate Professor of EEE	Directorate of Extramural Research & Intellectual Property Rights (ER&IPR),	21.00	29.06.16
11.	Software tool to assist learning for hearing impaired children in Activity based system (ABL)	Mrs. Nagmalar Associate Prof./CSE Dr.S. Revathi Associate Prof./CSE	Azim prnji foundation WIPRO	11.00	June 2016
12.	Synthesis and Charactersation of DOPED Tin oxide Nano materials for sensing applications	Dr. S. Krishnan, Asst. Prof. ( Sr.Gr )Physics	BRNS	25.00	June 2016
13.	Preparation and Characterization of selendde Thinfilms for optoelectronics applications	Dr. R. Indirajith Asst. Prof. ( Sr.Gr )Physics	BRNS	25 .00	June 2016
14.	“Portable instant detector for Antibiotic Resistance Genes (ESKAPE Pathogens) by Surface Enhanced Raman Scattering”	Dr. Karthikeyan Ramalingam Assoc. Prof., of SLS	LSRB & Director LifeSciences DefenceResear ch & Development Organization Dire.of Life Sciences	54.00	05.07.16
15.	Investigation in PSWC (Plain surface with wavy configuration) bars for Improved Structural & Durability Performance of Reinforced concrete Elements	Dr.M.S.Haji Sheik Mohammed, Dr.Beer Mohammed Syed Ali, Dr.U.Sabura Banu	DST - SERB	30.45	30.07.16
16.	Supersonic Air Jet for Soil Excavation	Dr. P.N. Kadiresh Dept. of Aerospace Engineering	SERB - DST, New Delhi	25.11	July 2016
17.	“A study on impact of information and communication technologies (ICT) Components in Supply Chain of Construction industry in India”	Dr. Aravindh Kumaran Associate Prof, MBA	ICSSR	13	31.07.16
18.	A study on the Environmental Consequences and Management of Urapakkam Urban Sprawl- a case study near chennai metropolitan city	Dr.Vandhana Devi .V CIVIL	MoEF, New Delhi	37	10.08.16
19.	Study of the regularities of structure in austenitic steel during cross and reverse rolling in a wide temperature range for the enhancement of strength	Dr. R. Rajendran , Prof. Mech. Engg.	Department of Science & Technology New Delhi	35.20	24.8.16



	and performance properties .				
20.	Design Develop & Manufacture a 5 k W small wind Turbine for low & moderate wind regimes and dusty environment prevalent in India	Mr. S. Shanmugam Adjunct Prof. Mech. Engg.	National institute of wind energy	91.9	6.9.16
21.	Dynamic Assessment of Corrosion Damaged RC Beams Retrofitted with Fiber Reinforced Composites.	Dr. Revathy.J & Dr.Gajalakshmi.P ,CIVIL	BRNS, Mumbai	34	10.09.15
22.	Seismic Performance of FRP Pultruded Beam-Column Joint.	Dr.Gajalakshmi.P & Dr.Revathy.J	CSIR, New Delhi	11	15.09.16
23.	Study of White Etching ( WEC) failure Mechanism in Wind Turbine Gearbox Roller Bearings and Condition Monitoring	Dr. R. Rajendran , Prof. Mechanical Engg.	DST New Delhi	93.38	5.10.16
24.	A Multi – functional self – sensing cementitious composite system for enhancing the durability & service life of concrete structures in extreme environments (SELSENCOM) – Horizon 2020 Proposal	Indian Partners: Prof. Ravindra Gettu  Dr. Radhakrishnan G.Pillai IIT Madras  Dr.M.S.Haji Sheik Mohammed BSAU.	DST – IMRC Division	98.93	27.10.16
25.	Quasi - Z Source bidirectional DC- Dc converter with Energy storage device for solar powered electric vehicles	Dr. R. Jayashree Prof. / EEE Dr. K. N. Srinivas, Prof. & Head / EEE Mr. M. Ram kumar, Asst. Prof./ EEE	CPRI Bangalore	25.96	2.11.16
26.	Workshop of the Research Methodology and Data Analysis using spss and amos	Dr. S. Panboli Associate Prof, MBA	ICSSR	5.44	17.11.16
27.	Financial Inclusion in women headed families of Tamil Nadu	Dr.N.Anuradha, Associate Professor, Dept of MBA	ICSSR	11.24	23-11-16
28.	Assessment on cognition and automatic influences of Yoga using ECG and EEG signal processing techniques	Dr. D,Najumnissa Jamal, P/EIE Dr.C.Tharini,HOD/ECE Ms. G.Anuradha,AP/Sr Gr/ECE	DST	16.68	1-12-16
29.	Design, Develop and Simulation of Adaptive coordinated control in a Thermal Power Plant for Grid Disturbance.	Dr. T.R.RANGASWAMY Professor of Eminence/EIE  M.S. MURSHITHA	CPRI Bangalore	29.70	22.12.16

		SHAJAHAN AP/EIE			
30.	Formability Evaluation for Sandwich material Using Hydro Forming Process	Dr.A.S.Selvakumar,P/ Mech  Dr. M.A.Sai Balaji, AP/Mech  Mr.S.Shanmugam, Adjunct Prof/M	SERB	30.63	28-12-16
31.	Ontology based College Awareness Planning System for Choosing Higher Education	Dr.A.Anny Leema, Asso.Prof/CA  Mrs.Saira Banu AP/Sr.Gr/CSE	DST	13.20	25-03-17
32.	Secured high data rate transmission through downlink wide band channels using chaos based MCCDMA	Ms.A Sumathy Asso/Prof/ECE	Ministry of Communication &IT	36.30	31-3-17
Total				<b>1007.56</b>	

**List of Project Sanctioned for the year 2016 – 17 :**

Sl. No.	Title Of The Project	Name Of The Principal Investigator	Funding Agency	Period	Grants Sanctioned (Rs. Lakhs)
1	Construction of optical logic gates using soliton collisions and study of electrical solitons in nonlinear transmission lines	Dr. M. Vijayajyanthi Dept. of Physics Young scientist fellow	SERB	2016-19	16.10
2	Antimicrobial Efficacy and Mechanisms of Whole Plant Extract of <i>Acacia Arabica</i> with Triphala on Biofilm Forming Cariogenic Microorganisms	Dr. Karthikeyan Ramalingam Asso. Prof. of School of Life Sciences	AYUSH- EMR Research Project	2016-19	33.00
3	Understanding the metabolic compartmentalization of Cancers cells and cancer associated fibroblasts" File no : ECR 2016/000898.	Dr. Amrita Roy Scientific Asst. SLS	SERB	2017-20	34.41
<b>GRAND TOTAL</b>					<b>83.51</b>

**List of Project Ongoing :**

Sl. No.	Title Of The Project	Name Of The Principal Investigator	Funding Agency	Period	Grants Sanctioned (Rs. Lakhs )
1.	Wear behavior of duplex coated steels	Dr. R. Rajendran Prof. of Mechanical Engineering	UGC-DAE	2012-15	7.60200
2.	Development of COF/polyimide composites with low dielectric constant for microelectronic applications	Dr. P. Revathi Prof. of Chemistry	DST	2013-16	23.50000
3.	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	13.00000
4.	Seismic Performance of FRP Confined Steel tube in-filled Concrete Columns	Dr. P. Gajalakshmi, Associate Professor Dept. of Civil Engg.	Ministry of Earth Sciences, New Delhi	2014-17	29.10090
5.	Applications of Gold Catalysis For The Synthesis Of Bioactive Heterocyclic And Natural Product Mimic	Dr. K.Karthikeyan, Asst. Prof. Dept. of Chemistry	DST	2014-17	19.66000
6.	Bismuth titanate quantum dots for photo voltaic application	Ms. R. Saai Harini Res. Scholar, Dept of Chemistry	Women Scientist Scheme - DST	2014-17	12.54000
7.	Synthesis, characterization and optimization of QDs on TiO <sub>2</sub> surface for quantum dot solar cells	Dr. M. Asha Jhonsi Asst. Prof. of Chemistry	INSA - INSPIRE	2014-17	19.76000
8.	GPX-1, gene polymorphisms and mitochondrial Ros signaling in cancer risk	Dr. Soumen Bera Asst. Prof. of Life Sciences	SERB - DST	2014-17	24.70000
9.	Synthesis of Novel Low Band Gap Polymer Materials for Solar Cell Applications	Dr. Vajiravel Murugesan, Asst. Prof. Prof. of Chemistry	SERB	2014-17	23.78000
10.	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 Fellowship	2014-15	2.64300
11.	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	20.04000
12.	Development of Graphene - SrTiO <sub>3</sub> based hybrid photocatalytic system for the production of solar fuels	Dr. Noor Aman Ahrar Mundari Asst.Prof. of Chemistry	SERB	2014-17	24.98000
13.	"Synthesis and characterization of multiferroic nanocomposites for functional applications"	Ms. P. Komalavalli Dept. of Physics (JRF)	Women Scientist Scheme (WOS-A)	2014-17	14.19000

Sl. No.	Title Of The Project	Name Of The Principal Investigator	Funding Agency	Period	Grants Sanctioned (Rs. Lakhs)
14.	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	14.30000
15.	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	13.60000
16.	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	24.75000
17.	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	23.55300
18.	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	23.28000
19.	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	22.66000
20.	New Born Bay Temperature Monitoring System - 'Baby Tempit' and Diagnostic Tool for Indian Mother	Mr. Surya Rajan. B Asst. Prof. of Mech. Engg.	IDIN Micro Grant Proposal International Development Innovation Network USA	2015-17	3.90000
21.	Tamil Plagiarism Detection Software	Dr. R. Shriram Prof. of Computer Science & Engg.	Tamil Virtual Academy Anna University Campus	2015-17	2.15000
22.	Construction of optical logic gates using soliton collisions and study of electrical solitons in nonlinear transmission lines	Dr. M. Vijayajyanthi Dept. of Physics Young scientist fellow	SERB	2016-19	16.10700

<b>Sl. No.</b>	<b>Title Of The Project</b>	<b>Name Of The Principal Investigator</b>	<b>Funding Agency</b>	<b>Period</b>	<b>Grants Sanctioned (Rs. Lakhs )</b>
23.	Antimicrobial Efficacy and Mechanisms of Whole Plant Extract of <i>Acacia Arabica</i> with Triphala on Biofilm Forming Cariogenic Microorganisms	Dr. Karthikeyan Ramalingam Asso. Prof. of School of Life Sciences	AYUSH-EMR Research Project	2016-19	33.00000
24.	Understanding the metabolic compartmentalization of Cancers cells and cancer associated fibroblasts" File no : ECR 2016/000898.	Dr. Amrita Roy Scientific Asst. SLS	SERB	2017-20	34.41218
<b>GRAND TOTAL</b>					<b>447.20808</b>

# CENTRE FOR INTERNATIONAL COLLABORATION

## MOU SIGNED

### MOU WITH MINISTRY OF ECONOMIC AFFAIRS, TAIWAN

Our university entered into an MoU with Ministry of Economic Affairs, Taiwan for talent recruitment on 21st October 2016.

Mr.David Wang , Deputy Director General , Department of Investment Services, Ministry of Economic Affairs, Taiwan , with his Taiwan delegation and Mr.Dave Tsai, Director, Taipei World Trade Centre, Chennai , participated in the event.

The salient features of the MoU include

1. Jointly implement personnel matchmaking work, as follows:
  - (1) Each Party will take the initiative in carrying out the exchange of recruitment information between graduates member of B.S.Abdur Rahman University and enterprises in Taiwan. This exchange will encompass information that the two sides can provide on corporate job vacancies, personnel resumes, and recruitment services.
  - (2) Each Party will inform each other about, or assist in the provision of, recruitment meetings between enterprises and potential employees or similar recruitment activities.
  - (3) B.S.Abdur Rahman University will recommend the talent interested in working in Taiwan, for which the MOEA will provide customized matchmaking services when appropriate. When B.S.Abdur Rahman University organizes groups of talent to travel to Taiwan, MOEA will help arrange face-to-face meetings with enterprises in Taiwan when appropriate.
2. Each Party will promote other talent exchange activities such as mutual visits and exchange by B.S.Abdur Rahman University and enterprises in Taiwan, and transnational projects.



## **STUDENT EXCHANGE AGREEMENT WITH CURTIN UNIVERSITY OF TECHNOLOGY, AUSTRALIA**

Student Exchange Agreement has been signed between B. S. Abdur Rahman University and Curtin University of Technology, Australia on 06<sup>th</sup> May, 2016 with the participation of Prof. Syed Islam, Professor in Electrical Power Engineering, Director of Centre for Smart Grid and Sustainable Power Systems, Curtin University of Technology, Australia and Prof. Brett Kirk, Associate Deputy Vice Chancellor, Research, Office of Research and Development, Curtin University of Technology, Australia.



## **MOU SIGNED WITH MISSOURI UNIVERSITY (COLAMBIA), USA**

B S A U entered into an MoU with Missouri University, USA on February 2017 on International academic co-operation.

## **EXPERT LECTURE SERIES**

### **UNIVERSITY COLLEGE CORK, IRELAND: PROF. PATRICK FITZPATRICK, EMERITUS PROFESSOR OF MATHEMATICS VISITED BSAU ON 12<sup>TH</sup> APRIL, 2016**

Prof. Patrick Fitzpatrick, Emeritus Professor of Mathematics, **University College Cork, Ireland** visited BSAU on 12<sup>th</sup> April, 2016 and delivered lecture on “**George Boole the first Mathematics Professor at University College Cork, the inventor of Boolean Algebra**” to the faculty and students of BSAU.



### **UNIVERSITY OF LEEDS, UK: PROFESSOR MUHAMMED BASHEER , HEAD OF SCHOOL, SCHOOL OF CIVIL ENGINEERING AND CHAIR OF STRUCTURAL ENGINEERING DELIVERED EXPERT LECTURE ON 8<sup>TH</sup> SEPTEMBER 2016.**

Professor Muhammed Basheer , Head of School, School of Civil Engineering and Chair of Structural Engineering, UNIVERSITY OF LEEDS, UK, visited our university on 8th Sep 2016, and delivered a special lecture " **NON DESTRUCTIVE TESTS AND SENSORS FOR ASSESSING THE DURABILITY OF CONCRETE**" at the department of civil engineering attended by B.Tech and M.Tech students from the Civil Engg department followed by personal interaction with faculty.





After the lecture Prof. Muhammed Basheer , discussed scope for international academic exchange between BSAU and Univ of Leeds through students and faculty exchange, developing joint academic programs, joint Ph.D supervision and scholars visit to LEEDS UNIV under joint Ph.D supervision program.



**STAFFORDSHIRE UNIVERSITY, UK : PROFESSOR. NICOLAAS DECOURT, DELIVERED A LECTURE ON “DATA SCIENCE AND BIG DATA” ON 16<sup>TH</sup> NOVEMBER 2016.**



**UNIVERSITY OF BRUNSWICK, CANADA:** Prof. Janet Light, Professor And Chair, Dept Of Computer Science And Applied Statistics, Delivered A Special Lecture On " Health Care Monitoring And Networking " To The Students Of Electronics And Communication Engineering On 23rd November 2016.



**STAFFORDSHIRE UNIVERSITY, UK:** Professor. Martin Fiddler, Aeronautical Engineering, delivered a lecture on “Helicopter Controls and Aerodynamics” on 8<sup>th</sup> November 2016.



**CURTIN UNIVERSITY OF TECHNOLOGY, AUSTRALIA:** Professor Syed Islam delivered a special lecture on “Digital Applications in Implementation of Smart Grid” to the students of EEE and ECE Departments on 10<sup>th</sup> March 2017.





## UK UNIVERSITIES VISIT:

Faculty From Eight UK Universities visited BSAU on 25th January 2017 as part of British Council's Computer Science and Information Technology Mission 2017. After Faculty Interaction, Eight Special Lectures were delivered by the UK Faculty at four Parallel Sessions for our students, participated by CSE, IT And CA Students and Faculty.

1. Plymouth University - Dr Bogdan Ghita - Networking and Security
2. Robert Gordon University - Prof Christopher David McDermott - Internet of Things
3. University of Liverpool - Dr. Frans Coenen - A Flavour of Data Analysis
4. University of Sterling - Dr.Mario Kolberg - Big Data : New trends and Applications
5. University of Hertfordshire – Dr William Joseph Spring - Cybersecurity: Aspects of cryptography from a classical and quantum perspective
6. University of Surrey - Dr David M. Williams - Security Protocol analysis
7. Southampton Solent University - Dr.Jennifer Muskett -The Essential User Experience
8. University of Sussex - Prof Ian Wakeman - Delay Tolerant Networking



## INDO –UK WORKSHOP ON “CLEAN WATER THROUGH ADVANCED AND AFFORDABLE MATERIALS” JOINTLY ORGANIZED WITH PLYMOUTH UNIVERSITY , UK DURING AUGUST 8-10, 2016 AT BSAU



BSA University in collaboration with Plymouth University, UK, organised INDO-UK workshop on " **Clean Water Through Advanced and Affordable Materials**" during **8- 10 August 2016** . The workshop was sponsored by British Council's NEWTON FUNDS, and leading researchers from TEN UK universities participated and deliberated on the various topics along with leading researchers from Indian Universities.

**From UK** - Brunel University of London, Teesside University, University of Exeter, University of Bath, University of Manchester, Coventry University, Nottingham Trent University, Aston University, Swansea University, Plymouth University, Imperial College , London.

**From India**- IEST, West Bengal, Bharathiar University, J S S University ,Mysore, NIT , Raipur, CSIR- NEERI, Nagpur, IISER , Calcutta, Noorul Islam Centre for Higher Education, Kanyakumari, VIT University, SRM University , Chennai, CSIR – CGCRI, Kolkata, University of Madras, Thapar University, Punjab, Kumaraguru College of Technology , Coimbatore.

### **INDUSTRY INTERNSHIP FOR CURTIN UNIVERSITY STUDENTS IN INDIA ORGANISED BY BSAU**

BSAU organized three months industry internship for three students from Curtin University of Technology Mr. Sreekumar Harish, Bachelor of Engineering (Mechanical Engineering), Mr. Chang Yu-Wei, Bachelor of Engineering (Mechanical Engineering), Mr. Punzalan Jonathan Bandoja, (Bachelor of Chemical Engineering) from January 20, 2017 to April 20, 2017, as part of BSAU-Curtin University student exchange programme. In reciprocation of this visit, two BSAU students will take up one semester of study at Curtin University of Technology- Semester Abroad Programme.



### **GERMAN LANGUAGE PROGRAM AT BSAU IN COOPERATION WITH GOETHE INSTITUTE, CHENNAI**

Centre for International Collaboration in co-operation with Goethe Institute, Chennai organised German Language program at BSAU. Over 30 students are being trained by Goethe Institute faculty for A1 level exam. The students are taking up German Language proficiency classes in preparation for their higher studies at Germany.



Professor Albert Faessler , Prof.em.for Applied Mathematics , Bern University of Applied Sciences, Switzerland, whose mother tongue is German and who is also authoring a book on Differential Calculus applications in German language , gave a surprise to the German Language program students at BSAU on 27th Feb 2017, by walking into their class and interacted with them for 45 minutes on the cultural perspectives of Germany and the uniqueness of German dialects and its variations in Germany with its cultural setting.



### **GLOBAL ACADEMIC INTERNSHIP PROGRAME AT NUS-NTU SINGAPORE**

Coporate Gurukul is willing to accommodate even lower number of students in their general pool to start with, however exclusive programs for BSAU can be organised when the students strength is significantly higher with exclusive elective subjects covered at NUS - NTU based upon our choice. Mr.Rajesh agreed to provide lower program cost when the group strength is more than 50. Mr.Rajesh informed us that VIT used to send regularly 120 students and students from IITs and IIM are participating apart from students from other countries.

We had participation and expression of interest from Department of Management studies for ascertaining similar programs organised by Coporate Gurukul for MBA students, and a short term, 10 days program, offered by them was suggested.

Apart from " Global Academic Internship Program " , they are also organising Faculty development program at NUS and NTU and Mr.Rajesh has been requested to submit the proposal.

All the proceedings of the day went on smoothly. Dr.Syed Mohamed, Associate Professor, CSE, and Mr.Syed Abdul Syed coordinated the presentation for the students and did an excellent job.

Careful follow up will be made towards implementation of "Global Academic Internship Program" at NUS - NTU June 2017.

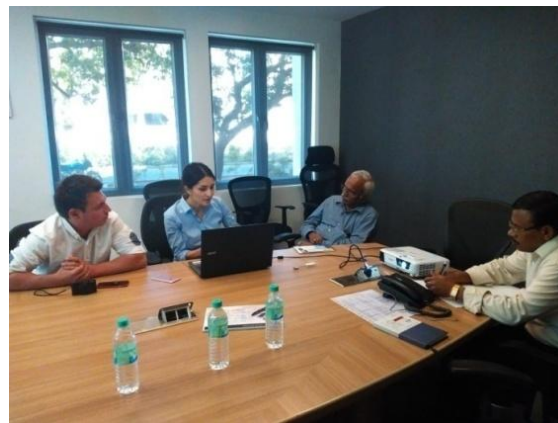


### **MOSCOW AVIATION INSTITUTE COOPERATION WITH B S ABDUR RAHMAN CRESCENT UNIVERSITY, CHENNAI .**

Alexey Zarechenskiy, Head of International Projects and Olga Pogosian, Deputy Head of International Dèpartment visited Moscow Aviation Institute National Research University



visited Aerospace department and had interaction with Prof. Tan Sri Dato' Sri Ir. Dr. Sahol Hamid bin Abu Bakar, Vice-Chancellor, Dr.V.Murugesan, Registrar, Dr.P.N. Kadiresh, HOD (Aerospace Engineering) and Dr. Prince Arockia Doss, Director, International Collaboration on 1<sup>st</sup> February 2017.



### **US-CONSULATE PROGRAM – SPECIAL PRESENTATION BY Mr. AMAN ALI**

Centre for International Collaboration of BSAU in coordination with US Consulate General organised special presentation by Mr.Aman Ali on " Growing Up as a Muslim at USA" , a wonderful dynamic presentation with live interaction from students on 2<sup>nd</sup> March 2017. The US team visited BSAU includes Mr.Eric T Lund, Cultural Affairs Officer, Public Affairs Section, Ms.Brindha Jayakanth, Cultural Affairs Specialist, Public Affairs Section, US Consulate, Chennai.



## USIEF – EDUCATION USA BOOT CAMP AT BSAU



United States – India Educational Foundation (USIEF) EducationUSA organized one day BOOT CAMP, hands – on practice session in 5 steps application process to graduate programs in US Universities at BSAU on 27<sup>th</sup> April 2016. EducationUSA Senior Adviser Dr. Meera Seshadri made a detailed presentation on Higher Education Admission in US Universities. Over 60 prospective students from various disciplines of BSAU participated in the event.

**The following 5 steps to US Study were dealt in great detail including a practice session on preparing a great SOP - Statement of Purpose:**

- Step 1:** Research your options
- Step 2:** Finance your studies
- Step 3:** Complete the application
- Step 4:** Apply for your student visa
- Step 5:** Prepare for your departure.



## BRITISH COUNCIL PROGRAM – CS & IT MISSION

Visit of British Council's CS/IT mission to BSAU on 25th January 2017.





## **INTERACTION WITH Mr.MAHER DOLEH, CONSUL AND TRADE COMMISSIONER CONSULATE GENERAL OF CANADA**

Dr.S.Prince Arockia Doss, Director International Collaborations met Mr.Maher Doleh, Consul and Trade Commissioner Consulate General of Canada on 6th December 2016 during the QS Summer School Summit 2016 at Chennai and discussed the initiatives for establishing international academic partnerships between BSAU and Canadian Universities through Consulate General of Canada, South India.



## **QS SUMMER SCHOOL SUMMIT 2016**

Dr.S.Prince Arockia Doss, Director International Collaborations and Dr. R. Raja Prabu, Dean (Academic Research) attended QS Summer School Summit during 5-8 December 2016 at Chennai. The main focus of the QS SSS is to present best models in International Summer Schools, deliberate best practices and challenges and give a road map for starting new international Summer Schools. Universities from many countries participated presenting their International Summer School models and inviting students for international Summer School Programs.



## **INTER CULTURAL COMPETENCE PROGRAM WITH GOETHE INSTITUT, GERMANY**

Centre for international collaboration in coordination with Goethe Institut, Germany, organised Inter Cultural Competence program for the benefit students preparing and aspiring to go for higher education and post study job prospects at Germany at our university on 16th Feb 2017. German Expert on Inter Cultural Competence, Ms.LEA WINKELMANN, from Goethe Institut, Munchen, Germany interacted with students.

Ms.VAISHALI KARMARKAR, Intercultural Facilitator, Goethe Institut, Mumbai, presented the context and importance of intercultural competence, DR.PRABHAKAR NARAYANAN, Head of the language Department, Goethe Institut, Chennai, presented the ample opportunities available for engineering students for high quality higher education and post study job prospects at Germany. Post graduate study at Germany is highly cost effective as all the German Universities are state funded universities.



Over 175 students from, Mechanical, Civil, Computer Science and branches of study made use of this wonderful opportunity and interacted with the team.

The group of students already learning German Language at our university, inspired others through their German language proficiency demonstrated and Mr. Paul Noranah , the German Language teacher , who is currently handling the German Language program at our University participated in the program.



## **INTERNATIONAL DELEGATION VISIT**

### **DELEGATION FROM UNIVERSITY OF EAST LONDON**



Prof. Neville Punchard, Dean School of Health, Sport and Bioscience and Dr. Mukhlesur Rahman, Senior Lecturer in Pharmaceutical Science Programme Leader of Pharmaceutical Science, University of East London visited BSAU on 11<sup>th</sup> April, 2016 and interacted with Dr. S. Prince Arockia Doss, Director, International Collaboration, School of Life Science faculty on developing international partnerships in research, joint projects and student and faculty exchange.

### **VISIT OF DR. ARUN DHARMARAJAN, PROFESSOR, SCHOOL OF BIOMEDICAL SCIENCES, CURTIN UNIVERSITY AUSTRALIA**

School of Life Sciences organized Special Lecture by Dr. Arun Dharmarajan, Professor, from School of Biomedical Sciences, Curtin University Australia titled "Selectively Targeting Cancer Cell Growth By the Use of Peptide Fragments of Secreted Frizzled-Related Protein 4" on 2<sup>nd</sup> February, 2017 and had interaction with the students.

### **INTERACTION WITH MICHIGAN STATE UNIVERSITY DELEGATION**



Prof. Satish Udpa , Executive Vice President for Administrative Services and University Distinguished Professor ,Prof. LALITA UDPA , Professor, Electrical and Computer Engineering ,Dr. Mahmoodul Haq, Assistant Professor from Michigan State University visited

BSAU and had interaction with Mr.Abdul Kader A Rahman Buhari , Chairman Dr.V.Murugesan, Registrar, Dr.M.Murugan, Dean, Academic Affairs, Dr.S.Prince Arockia Doss , Director, International Collaboration on 18th January 2017 at Transcar Show Room – Chennai.

### **MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY: VISIT OF PROFESSOR VENKAT ALLADA, PH.D, VICE PROVOST OF GRADUATE STUDIES, PROFESSOR ENGINEERING MANAGEMENT & SYSTEMS ENGINEER**



Professor Venkat Allada, Ph.D visited BSAU on 6<sup>th</sup> February 2017 and had interaction the Prof. Tan Sri Dato' Sri Ir. Dr. Sahol Hamid bin Abu Bakar, Vice-Chancellor, Dr.V.Murugesan, Registrar, Dr.M. Murugan, Dean (Academic Affairs), Dr. R. Raja Prabu,Dean (Academic Research) and Director (International Collaboration) and he also met the students and made presentation. He visited Polymer Nano Technology lab and Life sciences laboratories.

### **BRITISH DEPUTY HIGH COMMISSION - ROUND TABLE DISCUSSION**

On the invitation of British Deputy High Commission and UK Science and Innovation Network , Director (International Collaboration) have represented BSA University at the round Table Discussion on " INDIA - UK COLLABORATIVE OPPORTUNITIES IN OCEANS" on 22nd Feb 2017 at Chennai.

Out of the eight thematic areas identified for collaborative research, he registered in three focus areas where BSA Crescent University could contribute in collaborative research.

#### **1. COASTAL MONITORING**

Biological impact on marine life - Plymouth Marine Laboratory ( NOT Plymouth Univ) is having capability to isolate a single cell and study their Genome / DNA . When I proposed impact on marine life - studies , it was very well received and Biology was identified as a thrust area for Ocean Research and already very good infrastructure and research is in progress - School of Life science could participate in this joint research

#### **2. PLASTICS**

The influence of Plastics in Oceans is a very serious concern. Plastics in Oceans identified as Macro, Micro and Nano Plastics and their influence and impact on Oceans is a serious study and research. Identification of microbeads is also involved in the food chain which reaches ultimately in Oceans. - Polymer Engineering Department could take up this joint research.



### 3. CLIMATE CHANGE IMPACTS.

Study on the climate change impacts on the people in the coastal regions, Fisheries , Marine Life, and using Remote sensing data .

Dept of social studies, and interdisciplinary groups can involve in this research.

Plenty of Satellite data is used to monitor the oceans and Data Modeling and Data Analysis is another niche area of research - CSE , IT and CA departments can focus in data modeling and analysis .

### CRESCENT ANNUAL ALUMNI MEET

## CHENNAI DIGEST



B S Abdur Rahman University had its Crescent annual alumni reunion recently. The meet honoured eight alumni for their distinction in various fields. S Prince Arockia Doss, director, International Collaboration, honoured Mahmoodul Haq, assistant professor in civil and environmental engineering at Michigan State University, USA.

### Roundtable discussion on “Best Practices in International Collaborations”

Dr.S.Prince Arockia Doss, Director, International Collaboration participated in a roundtable discussion on “Best Practices in International Collaborations” on Friday, November 18<sup>th</sup> at the International Law Centre, 61-63, Dr. Radhakrishnan Salai, Mylapore, Chennai organized by the U.S. Consulate, Chennai in association with the Tamil Nadu chapter of the Associated Chambers of Commerce & Industry (ASSOCHAM).



Longitude Prize Promotion meeting at British Deputy High Commission.

## INDUSTRY INSTITUTE PARTNERSHIP CELL

An Industry- Institute meet was held on 22<sup>nd</sup> October, 2016, at 3.00 P.M in our University convention centre. More than 211 diverse organizations participated in this meet. The organizations which were diverse included Automobile, IT, Manufacturing, Civil, Banking, Healthcare, Instrumentation, Plastic, Marketing, Pharmaceuticals, government organizations like FCCI and MSMEs shared their expertise in this meet.



The Industry- Institute meet was intended to utilize and share the facility and expertise available in industry and university. It was aimed at joint Research programs, work integrated study program, Consultancy and training for industry needs. The practical knowledge of industry professionals were shared with faculties of the university and possible collaborations were explored. More than 175 industries participated in this meet.

## **APJ ABDUL KALAM INNOVATION CENTRE**

### **ACTIVITIES**

- Inno contest 2016 was organized by the Abdul Kalam Innovation centre on 24.11.16, inviting innovative projects of societal impact. 40 student teams participated in the event and 9 best ideas were awarded prizes.
- Inno idea contest was conducted on 17.02.17 . Out of 30 ideas presented by the students, the best 12 ideas were selected for in-house funding by the innovation centre, to the tune of 1.5 lakhs.

### **ACHIEVEMENTS**

- Mr. Hamad Arshan.c of final year EEE participated in the national level Gordon lucas Engineering competition on 21<sup>st</sup> May 2016 organized by Loughbouh University, UK and achieved second prize for their project SMART ELECTRONIC CAR.
- Ms. Sanjana.P, Mr. Irfanuddin.S, Mr. Munawar.C.M, Mr.Nijas Ahmed and Mr. Imadudden.V.M of final year ECE participated in the National level IOT innovation challenge organized by NASSCOM, New Delhi and went up to semifinals and got appreciation for the project “GPS CONTROLLED TRACTOR FOR AGRICULTURE APPLICATIONS”.
- Abishek.V, Aravind.B, Kiren Balaji.N of 2<sup>nd</sup> Year ECE participated in National level competition ANVESHAN 2017 organized by Association of Indian Universities on 27-29 March and achieved III rd prize for their project “Automated system for Effective usage of water in Agricultural farming”.

# DATA CENTRE

## About Data Centre

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

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



## QEEE Live Classes

University Data Centre has successfully conducted 15 Virtual courses of the MHRD's QEEE programme for Eight hundred and twenty UG and PG students of our university.



- For the semester Aug 2016 to Oct 2016, 220 Students from EEE, IT and EIE Departments have **registered in 5 new courses in 30 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. The details are given in Table1.



**Table1**

S.no	Topic	Local Faculty	# Student Registered
1	Memory Mapping and Peripheral Interfacing - Microprocessors and Microcontrollers	Ms.R.Agatha, Ms.M.P.Nageswari	83
2	Classification of Signals and System - Introduction to Signals and Systems	Ms.G.Anitha	34
3	Cloud Technology Overview - Cloud Computing	Dr.G,kavitha,	10
4	Virtualization Technology - Cloud Computing	Ms.L.Shakkeera	23
5	8085 and 8086 Microprocessor: Architecture, Assembly Language Programming and System Design - Computer Organization and Architecture	Ms.R.Agatha, Ms.M.P.Nageswari	83

- For this semester Jan 2017 to April 2017, 600 Students from MCA,ECE, IT, CSE, Chemistry and Civil Departments have **registered in 10 new courses in 60 hours(3 sessions of 2 hours for every course)**. The details are given in Table2.

**Table2**

S.no	Topic	Local Faculty	# Student Registered
1	Natural Convection, Boiling and Condensation - Convection Heat Transfer- <b>Prof.S.R. Kale, IIT Delhi</b>	Dr.S.Shamshath Begum	20
2	Digital System Design - Digital Electronics- Prof. <b>Venkatesh TG, IIT Madras</b>	M.Vanmathi, M Kabeer	57
3	Spectroscopy and Applications - Engineering Chemistry- <b>Prof. Edamana Prasad, IIT Madras</b>	Dr.J.Herbert Mabel, Dr.A.Shajahan	17
4	Operator Overloading - Object Oriented Programming- <b>Prof. Rupesh Nasre, IIT Madras</b>	I.Sathik Ali Dr.Anee Leema S.Prathiba Padmavathy	89
5.	Pointers - Programming in C and Data Structures- Prof. <b>Supratim Biswas, IIT Bombay</b>	Dr.Nizarbanu Brindha Merin Akhila Devi	90
6.	Public Key Cryptography - Information Security and Cryptography- <b>Prof. Chester Rebeiro, IIT Madras</b>	Dr.Syed Mohammed Subhashini L.Shakkeera	82
7	Open Channel Flow - Hydraulics and Hydraulic Machinery- <b>Prof. Anirban Dhar, IIT Kharagpur</b>	Faleelama	35
8.	Durability of Concrete - Concrete Technology- <b>Prof. Radhakrishna G Pillai, IIT Madras</b>	Roopa	35
9	Electrochemistry and its Applications - Engineering Chemistry- <b>Prof. Kothandaraman R, IIT Madras</b>	Dr.J.Herbert Mabel Dr.Vajjiravel	37
10	Industry Bridge by CII - Gamesa Session on Renewable Energy - Internet of Things	-	200

## WORKSHOPS CONDUCTED

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



## Achievements & Development Activities

- Our University was announced as best performing institution falling under the category of “**QEEE Partner**” Institutions, implying that we were amongst the best Institutions to have leveraged the QEEE program for the benefit of our UG/PG students.
- The Director Data Centre has got the appreciation from the management of B.S Abdur Rahman University for successful guidance of PhD research scholars (BSAUniversity Staff) and for paper publications.
- Our campus is fully connected with fibre backbone. V-LAN segmentation was done to increase the performance of Internet and WiFi Accessibility in the hostels, canteen, Departments and the entire campus.
- Labs in the school of Computer, Information and Mathematical Sciences are centralized and this leads to reducing in the no. of systems.
- These systems are distributed in the Digital Library, Common Computing Centre and hostel browsing centres.
- As directed by the management and VC a Computer Maintenance cell (CMC) is formed with Dr.P.Sheik Abdul Khader, Director Datacentre as a single point of contact for the matters relating to Computers, Networking, Website, Email and Social Media, Procurement of Computer, Network Components, Projector and UPS .
- The Computer Maintenance cell consisting of all the system staffs will work under one roof taking care of the Network, Hardware, Software, Projector and Ups maintenance activities of the university. In this connection the following email ids are created for the queries related to system services, Network Issues, Hardware Issues and any new procurement related to Computers, Networks Components, Projectors, and UPS.
- For any request sent to the concern mail ids, the Data Centre will create a service ticket assigning the job to the corresponding resource person to sort out and the same will be intimated to the person requested and the assigned person. The same will be recorded in online data base in Data Centre. University Data Centre will monitor the process till the raised issues get solved.
- Installed 1500 iNG CYBEROAM NEXT-GENERATION FIREWALLS in our Data Centre and implemented traffic shaping, content filtering, bandwidth allocation, NATing and VPN configuration.
- A new Server Infrastructure for CAMP-IT is installed and maintained in our Data Centre
- Created and provided internet connectivity to Digital Library with 24/7 service. with Computer Maintenance Cell (CMC) system staff on day and night shifts at IT Lab ground floor.

- Provided internet connectivity to Common Computing Centre with 24/7 service with Computer Maintenance Cell (CMC) system staff on day and night shifts at Mechanical sciences block.
- Revamped the entire BSAU networks (Flat structure to V-LAN segmentation) with L2 and L3 manageable Switches.
- Microsoft Licence has been renewed for the Year 2017, Rs. 16 Lakhs/- paid to Microsoft.
- New Fibre cable laid between University Data Centre and Canteen block.
- Optic Fibre connectivity provided to the new Staff Quarters.
- Optic Fibre connectivity provided to the new ladies hostel buildings.
- Airtel 40 MBPS wireless internet connectivity provided to the VC Villa and VC Office.
- Wireless connectivity provided (45 Access Points) in New Mech, Canteen building and VC villa.

#### **Website, Social Network and other Activities**

- Customization, UI /design changes for our BSAU website.
- Switched over to the next plan with 9 GB space and 225 GB 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 web pages for conferences and workshops.
- **University Social Network Maintenance.**
  - Day to day posting news and happening about our university.
  - Engaging students in our university face book page.
  - Posting circulars and important information.
  - Editing informal contents or comments placed by students.
- **University mail id maintenance.**
  - Email ids were created under our domain bsauniv.ac.in for the students admitted in 2016. The created email ids are distributed to the concerned departments Hod's.



# **FACULTY TRAINING ACADEMY**

## **Training Programmes Offered**

- Conducted "Oracle iLearning Certification Programme on "Database Design and Programming with SQL" classes for 36 students from 19<sup>th</sup> Sep 2016 to 28 Oct 2016.
- Organized "Seven Day Induction Training Programme-2017" From 9th Jan 2017
- Organized "FDP for Introduction To Mobile App Development" by FTA and ICTACT 30th and 31st Jan 2017.

## **Conferences / FDP / Seminars / Workshops Conducted**

- Organized "Student Motivation and Classroom Management" workshop by the Faculty Training Academy (FTA) and Internal Quality Assurance (IQAC) in the various venues on May 23, 2016. Around 204 faculty members has been participated.
- Organized 2<sup>nd</sup> National Conference of the Free Software Movement of India-4CCon from 26<sup>th</sup> Jan to 29<sup>th</sup> Jan 2017.
- Organized Seminar "Tamil Computing" on 3<sup>rd</sup> March 2017.
- Conducted "ICT Academy Digi Guru competition in January 2017.

## **Society Activities**

- The Basic computer training for men and women Sub Inspector Cadets from the TamilNadu Police Academy is conducted from 22nd August 2016 to 7<sup>th</sup> Oct 2016. Around 1033 Sub-inspectors were trained.

## **Important Visitors**

- N. Ram, Chairman Of Kasturi & Sons Limited And Publisher of 'THE HINDU'
- Justice Prabha Sridevan, Former Chairperson, Intellectual Property Appellate Board (IPAB)
- Neville Roy Singham, Founder And Chairman - Thoughtworks, Inc
- Evgeny Morozov, Author, The Net Delusion: The Dark Side Of Internet Freedom
- Francesca Bria, Chief Technology And Digital Innovation Officer, Barcelona City Council
- Javier Toret, Researcher On Technopolitics, Activist In 15-M Movement
- Dr. Kuppuswamy Kalyanasundaram, Senior Scientist and Researcher, Swiss Federal Institute of Technology, Switzerland

## PLACEMENT AND TRAINING

The campus recruitment process started in the month of September 2016, as on date **48 companies** have visited our campus and more than **50%** of our eligible students are placed inspite of awaiting results from a few companies. The recruitment drive is still in progress.

### Training following Programmes were conducted for the students of UG and PG:

1. Barclays Life Skills advanced training programme was the 80 hrs. Classroom training through NASSCOM were arranged for pre final year B.Tech. / M.Tech. and MCA students (21 days) held from **29<sup>th</sup> Sept. to 19<sup>th</sup> October 2016**. This was fully sponsored by Barclays.
2. Pre placement talk and soft skill Training programme was conducted by **“Infosys Technologies”** for all final year students (2017 Passing out) on **5<sup>th</sup> August 2016** at our University premises. Ms. Angeline Premkumar, HR, Infosys gave a brief presentation about the selection process of Infosys, test pattern and Interview etiquettes.
3. “Revature Consultancy Services Pvt Ltd.” Online assessment test was conducted on **3<sup>rd</sup> August 2016** at our University premises for hiring for third year B.Tech. Students (2018 Passing out) for Internship. They have selected around **84** students and the program was launched on **4<sup>th</sup> August 2016** at Rani Seethai Hall, Chennai
4. One week Training program on **Quantitative, Verbal Aptitude, Logical Reasoning Training and Skills Training programme** was conducted for the pre-final year B.Tech (Civil / Mech.) & MCA students (2017 batch) from 13<sup>th</sup> June 2016 to 18<sup>th</sup> June 2016. (Five days), by **“Vista Mind”** a premier training company.
5. One week Training program on **Quantitative, Verbal Aptitude, Logical Reasoning Training and Skills Training programme** was conducted to pre-final year B.Tech (Aero/ Auto/ EEE/ CSE / ECE/ IT. PE.) & all M.Tech. Students (2017 batch) from 13<sup>th</sup> June 2016 to 18<sup>th</sup> June 2016. (Five days) by **“Mean-Median-Mode” Solutions**.

6. Placement order distribution day for MBA Students was held on Monday, **30th May 2016**. Placement offers from **Aditya Birla Retail Limited** were distributed by Mr. Darshith Satheesh, Regional Head (HR) of Aditya Birla Retail Limited. The offers from Kotak Mahindra Bank, Exide Batteries and



- Amararaja Batteries etc. were distributed by Dr. V. Murugesan, Registrar of the University. Mr. Mohamed Tajudeen, Director - Placement & Training, Dr. S. K. G. Ganesh, Professor & Head and Dr. L. Aravindh Kumaran, Placement Coordinator of the Department of Management Studies congratulated the students during the function.
7. A meeting was conducted for pre final year students to discuss about the Placement Training and Revature selection process on **4<sup>th</sup> June 2016** at Convention Centre of our University. Mr. S. Mohamed Tajudeen, Director, P&TO explained recruitment process and different career options. Parents were also invited for the meeting. Dr. V. Murugesan, Registrar was also in the meeting.
8. **Cognizant Technology Solutions** conducted **EVOLVE PROGRAM for 2017 batch** pass-out students for B. Tech. / MCA M. Tech, & M.Sc streams. EVOLVE is an interactive session designed to educate the students about Cognizant. The session included an overview of Cognizant, Interactive Session with HR team, to help them prepare for the CTS online Test
9. **“Smart Training Resources India Pvt Ltd “** conducted Placement Training program on Training fundamentals, English Language Development, General Aptitude, Technical Skills, Soft Skills and Company Specific Training and specific question and online Assessment test for the final year **MBA (2017 Batch)** students **during 17<sup>th</sup> -19<sup>th</sup> August 2016** at our University premises.
10. Placement Training program on English Language Development, General Aptitude, Technical Skills, Soft Skills, CTS, Wipro & Infosys Technologies specific questions and online Assessment test process for the final year **B.Tech. / M.Tech. & MCA (2017 Batch)** students **during 22<sup>nd</sup> - 30<sup>th</sup> August 2016** “Smart Training Resource Pvt Ltd” was the training partner.
11. **“Aspiring Minds Assessment Pvt Ltd (AMCAT)”** Online Aptitude Testing and Skill Knowledge Testing Process was conducted for the Final year **B.Tech (CSE, ECE, IT, EEE, EIE, Mech) and MCA students (2017 batch) on 31<sup>st</sup> August 2016.**

12. Motivational training programme was arranged for all **third year** B. Tech. Students during **2<sup>nd</sup> – 4<sup>th</sup> November 2016 (3 days)**. Renowned educationist **Mr. Jayaprakash Gandhi** was the motivator.
13. Three days motivational training programme was arranged for **all first year** B. Tech. Students during **27<sup>th</sup> – 29<sup>th</sup> Sep. 2016**.
14. Employability Training programme was arranged to the final MBA students on 14<sup>th</sup> Nov. 2016. Mr. Krishna, from Matchpoints conducted the programme.
15. MOU was signed between **REVATURE** and B.S.ABDUR RAHMAN UNIVERSITY for providing internship to students at University Campus in Chennai. REVATURE a US based firm who are pioneer in Online Training & Placements is associated with 400+ Universities in US to train Students in IT. In India REVATURE is planning to replicate the same model and signed up with B.S.ABDUR RAHMAN University to train Students this year through their product **RevaturePRO** which is a workforce development platform featuring perfect combination of on ground and online boot camp, which is managed, monitored and mentored, where University students attain actual job-based skills that will help advance their IT careers.



The duration of the training will be for 15 weeks and the students who undergo the training will get placed at REVATURE, India and with their clients in India. The MOU was signed by REVATURE India Director Mr. N. Senthil Kumar with the Registrar Dr. V. Murugesan in presence of the University Vice Chancellor Dr. V.M.Periasamy and Director, Placement Training Mr. S. Mohamed Tajudeen on **13<sup>th</sup> May 2016** at University Campus.

16. Placement Meeting was conducted for Pre-final (2018 Batch) for all UG & PG students to enable online registration and Placement activities for the current academic year on **10<sup>th</sup> March 2017** at our University.
17. Placement Meeting was conducted for Pre-final (2017 Batch) for all UG & PG students to enable online registration on **6<sup>th</sup> April 2016** at our University. Vice Chancellor, Registrar and Director (Admissions) addressed the Students.

#### **Awareness programmes :**

1. One day workshop was arranged on "**GATE Awareness Program**" for B. Tech. (Civil / Mech./EEE / ECE& EIE) students on 15.03.2017. **Mr. G. Naveen Kumar**,

Dy . Director, Vani Institute of Engg. & Tech. Chennai has given a brief talk about the programme.

2. **“Galvanize”** conducted a Seminar on awareness about higher education for the B. Tech. Final year students of our University on **7th March 2017**. The event of the session was as follows;
  - ❖ Expert talk
  - ❖ Knowledge and skill based tests and their approach
  - ❖ Why should one consider doing MS in US
  - ❖ What matters when you pursue doing Masters' Abroad.
  - ❖ Profile Building
  - ❖ Opportunities after your Masters' degree.
3. Pre-Placement talk awareness programme was conducted by “ **gboxz** ” for final year B.Tech. (CSE / ECE / IT/ & MBA students on **3<sup>rd</sup> February 2017** at our University.
4. Hindustan Unilever Limited conducted “**REXONA CONFIDENCE ACADEMY**” programme on 1st **February 2017**. They are aiming at teaching the girl students importance of Grooming and Confidence, to help young girls crack their interviews, the challenges of the corporate world.

## **CENTRAL LIBRARY**

Total Books available

Volumes : 86087

Titles : 48820

Print Journals subscribed : 255

- e-Journals subscribed : 16141 (IEEE, ASCE, ASME, SPRINGER, ELSEVIER, EBSCO, ROYAL SOCIETY OF CHEMISTRY Publications)
- Library working hours : 8am – 8pm
- Library budget for the year 2016 – 17 : Rs.96,00,000/-
- Books purchased during this academic year: 3160
- Annual Book exhibition was conducted during 29 – 31`August 2016
- New Library has been established for Crescent School of Pharmacy and Crescent School of Law

### **CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED**

<b>Name of the staff</b>	<b>Conference</b>	<b>Seminar</b>	<b>Workshop</b>	<b>FDP</b>	<b>Total</b>
Dr.P.Panneerselvam	2	3	2		7
Dr.A.Selvantony	1	1			2
Dr.T.Pattabhi Raman	1	1			2
Dr.M.P.Srinivasan			1		1

- **PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES**

(Total Numbers only)

<b>Name of the staff</b>	<b>National Conference</b>	<b>International Conference</b>	<b>National Journal</b>	<b>International Journal</b>	<b>Total</b>
Dr.P.Panneerselvam	3			2	5
Mr.A.Selvantony	1		2		3
Mr.T.Pattabhi Raman	1				1
Dr.M.P.Srinivasan			1		1

### **Higher Studies**

Dr. T. Pattabhi Rahman has completed his Phd in Library and Information Science at Bharathiyar University. His viva-voce was conducted on 28.12.2016, waiting for convocation certificate.

## BSAU APPLE iOS APPLICATION DEVELOPMENT CENTRE

- New Programmes Started

Nil

- Value Added Programmes Started

Nil

- Training Programmes Offered

- Six days Training Programme on “Mobile App Development” during 11, 12, 18, 19 March & 01, 02 April 2017.



- Interdisciplinary Programmes Conducted

Nil

- Conferences / FDP / Seminars / Workshops Conducted

- Two days Workshop on “Android Application Development” during 1 & 2 October 2016.





- Four days Workshop on iOS Application Development during 5, 6, 12 & 13 Nov 2016.



- Two Days Faculty Development Programme on Introduction to Mobile App Development in association with ICT Academy during 30 – 31 January 2017.







- Two days Workshop on “Android Application Development” during 16 & 17 February 2017.



- Two days Workshop on “Mobile App Development using App Inventor” during 16 & 17 March 2017.





## ENTREPRENEURSHIP DEVELOPMENT CELL

1. Department of Management Studies in association with ED Cell of our University organised: **'NSIC Technical Services Centre' supported "Entrepreneurship Orientation Programme"** on 20<sup>th</sup> March, 2017 at our University premises.

The workshop created an awareness about entrepreneurship among the students of engineering and management. The prospective entrepreneurs were given inputs regarding role of NSICTSC, facilities available with the centre, procedures for starting and receiving financial assistance, and so on.

2. A workshop on Business Model on-spot competition and Startup-Quiz jointly organized by EDC of our university and Student Relations team of E-Cell IIT Madras was on **9<sup>th</sup> March 2017** Thursday, at our University.
3. **"One day shop"** event was organised for women students on **2<sup>nd</sup> March 2017** (Thursday) from 9.00.a.m. to 4.30.p.m. at our University premises to inculcate Entrepreneurship in women students. Nearly 32 stalls were put on the campus, and varieties of products were sold.
4. The entrepreneurship development cell of the university organized an IEEE Madras Section sponsored workshop in the topic **"Business model canvas and Social entrepreneurship"** by Dr. Rosy Fernando, founder "Start up solutions" Chennai. on **25<sup>th</sup> February, 2017**
5. **Millionminds Accelerate** – The start-up Talk was organised for Entrepreneurs on **10<sup>th</sup> November 2016**. The following Start-up founders gave a brief lecture to the students. Nearly **250** students participated from our University.

- ❖ Mr. Ram Srinivasan, CEO, Enrayn Education Technologies
- ❖ Mr. Jatin Kakkar, Vice President, Product Management, Indix
- ❖ Mr. Jayadev Mahalingam, Founder & Chief Executive Officer of PiQube Analysis Pvt. Ltd.

## ROTARACT CLUB

- The installation of new office bearers for the Rotaract **Club of B S Abdur Rahman University** for the year 2016-2017 was held on 02/11/2016.
- **Rotaract Club volunteers** donated 50 units of blood in the blood donation camp organized by Crescent Blood Donors during Nov 2016.
- The project named **ORU PIDI ARISI** is to collect rice from the students and to distribute to the needy people which was held during March 2017
- 650 kg of rice was collected and distributed to the Freedom children's home at Minjur and the village Naduvarkarai near Minjur.
- The project named **DRESS YOUR SIBLINGS** is to donate dresses to the children's in the Freedom children's home at Minjur. 40 pairs of foot wear and dresses were donated to the childrens during March 2017.
- This year Rotaract **Youth Leadership Award** was held during January 2017 and our team won the best team award.
- **ROTASIA** is an annual conference of the roataract clubs in ASIA which was held at Chandigarh during February 2017 and 5 members from our team participated in this event and won best participation award.



Installation of new office bearers for the year 2016-17



Visit to the Freedom Children's home near Minjur

## Youth Red Cross

- Organized One day seminar on "stress management on student development – Handling messy situation with confidence" by Dr.Nalini Chandrasekaran on 30/8/2016.
- Organized one day workshop on" placement awareness" program for final year student on 29.04.2016 by Alumni of BSAU .



- Youth Red Cross society (YRC) has organized a program " Collection of blood donor list for Govt. app" on 14.02.2017 with the help of District Aids preventive and control unit - Guduvancherry (Government Organization).



- YRC and The placement cell of BSA Crescent University is organizing workshop on "GATE Awareness Program"on 15.03.2017.Gu



est Speaker: Mr.G. Naveen Kumar, Dy Director, Vani Institute,Chennai

## **NSS**

### **GENERAL ORIENTATION PROGRAMME**

NSS General Orientation Programme was held on 24.09.16. Mr. Shiva Krishnamoorthy, GM, Hand in Hand (NGO) delivered a motivational speech on Social Issues of Rural India. Best NSS volunteer was honored with an award.

Dr. V. M. Periasamy, Former Vice Chancellor and Dr. P. K. Jawahar, Dean (Students Affairs) motivated the NSS volunteers to take up social work and shared their experiences.

### **CAMPUS CLEANING**

The N.S.S unit of our University conducted “Swachh Bharath – Campus cleaning” programme on 11.02.17 and 12.02.17 in KBA Men’s Hostel. Dr. N. Hajara Beevi, NSS Coordinator organized the programme in which 150 NSS volunteers actively participated and involved in cleaning the Hostel premises.

“Swachh Bharath – Campus cleaning” is periodically done to make the environment clean.

### **BEACH CLEANING DRIVE**

Beach cleaning programme was held in Marina beach.

More than 50 students participated in beach cleaning programme held during 25.09.2016 and cleaned the Beach and oath was taken against corruption.

### **AWARENESS RALLY ON YOUTH AWAKENING DAY**

Our NSS unit celebrated the Youth Awakening day on 17.10.2016 to commemorate the birth anniversary of Dr. APJ Abdul Kalam in a befitting manner. An awareness rally was organised and the NSS Volunteers actively participated in the rally by holding placards of the Inspiring Quotes of A P J Abdul Kalam to spread his message.

Special Pledge was also taken by the NSS volunteers to strive hard and to put their fullest effort to bring Dr. A P J Abdul Kalam dream of of making India Superpower by 2020 come true.

### **CLOTHES COLLECTION DRIVE AND VISIT TO SPECIAL HOME FOR MENTALLY CHALLENGED/OLD AGE HOME**

About 25 NSS Volunteers spent their time in BHAVISYA DEEPAM, a home for with mentally retarded people. More than 20 NSS volunteers spent their time in AKSHAYA HOME, home for old age people.



They also distributed the clothes collected during DAAN UTSAV (joy of giving week) during 02.10.16 to 08.10.16 to orphanage/old age homes.

### **PERSONALITY DEVELOPMENT THROUGH TRAFFIC AWARENESS EVENT**

Every week during Thursday, Our NSS volunteers help the traffic constables to regulate the vehicle movement and also create awareness on road safety management.

### **AWARENESS PROGRAMME ON ANTIDRUG**

A special lecture was arranged on antidrug awareness on 08.03.17 for the I year B.Tech. Students. Dr. Shalini Janardhan MBBS, MRC(Psych), DPM, Psychiatrist, Apollo Hospitals, Chennai gave the special lecture and also interacted with the students.

### **WOMEN'S DAY CELEBRATION**

International Women's day celebrated on March 8<sup>th</sup> in a befitting manner by conducting various competitions among the girl students. The competitions include drawing/painting, photography, card making, Mehndi, vegetable carving, Treasure Hunt etc. A special lecture on Breast Cancer Awareness was delivered by Dr. Subash Kumar MBBS, FRCSI, FRCS (Edin), FRCS (Gen), Senior Consultant, Breast Surgery, Apollo Specialty Hospital for the benefit of female faculty members and girl students.

### **NSS SPECIAL CAMP**

NSS Special camp was conducted during 9<sup>th</sup> March to 15<sup>th</sup> March in the Adanur Panchayat. NSS volunteers are involved in painting the school premises of the Government Primary School, Adanur. A special free Health camp was arranged for the benefit of public in and around Adanur village. A Training programme by forum Self Health Group was arranged to train the village women in making Idly Powder, Candle Making, Glass Painting etc. Various competitions like poetry, Essay writing, drawing and sport events were conducted for the school students and prizes were distributed. Fencing was also done around the Government Primary School, Adanur.



General Orientation Programme  
held on 24.09.16.

Campus cleaning on 11.02.17 and 12.02.17



Clothes collection drive and visit to special home for mentally challenged/old age home during DAAN UTSAV (joy of giving week) from 02.10.16 to 08.10.16



Traffic Awareness every week Thursdays



Awareness Programme on Antidrug

## **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

- **New Programmes Started - NIL**

- **Value Added Programmes Started**

Department of Computer Science and Engineering offered a one credit course on “Algebraic Introduction to Cryptography”. Prof. Albert Fassler, Bern University of Applied Sciences, Switzerland handled the course for the UG and PG students of CSE department from 20<sup>th</sup> February to March 3<sup>rd</sup> 2017. The coordinators were Dr.Sharmila Sankar, Mrs.S.P.Valli and Mr L.Arun raj.

- **Training Programmes Offered**

- Dr.R. Shriram, coordinator, Faculty Training Academy conducted the “Induction Training Programme 2017” for the newly joined faculties from 9<sup>th</sup> January to 13<sup>th</sup> January 2017 and 28<sup>th</sup> January 2017.
- Dr.R.Shriram coordinated the training programme for Tamilnadu Police academy from 16<sup>th</sup> August to 2<sup>nd</sup> October 2016.

- **Interdisciplinary Programmes Conducted - NIL**

- **Conferences / FDP / Seminars / Workshops Conducted**

### Workshops

1. Dr.R.Shriram and Mr.Imthyaz Sheriff conducted a workshop on “Student Motivation and Classroom Management” for faculties during 23<sup>rd</sup> May 2016 at BSAU.
2. Workshop on “Analytics with R - Hands on” was conducted by the department during 10<sup>th</sup> June 2016 to 14<sup>th</sup> June 2016 for faculty and students. Dr.K.M.Mehata and Dr.Angelina Geetha were the convenors, Mrs. Akila Devi and Mr, Imthyaz Sheriff were the coordinators. Mr.Seshathiri, Vision Analytics Chennai was the speaker.
3. Workshop on “Datamining Tools” was organized by the department on 15<sup>th</sup> November 2016 for faculty and students. Dr.Angelina Geetha, Dr.R.Shriram, Mrs.R.Akila, Mrs.T.R.Akila Devi were the coordinators. Mrs.A.Menaka Pushpa, Teaching Fellow, Dept of CSE, Anna University was the speaker.
4. A one day workshop on “Applied Machine Learning” was organized by the department on 18<sup>th</sup> March 2017. Dr.Sharmila Sankar was the convenor. Dr.Aisha Banu, Ms.Sharon Priya, Ms.Subashini were the coordinators. Mr.Mohamed Rafi, Founder and CEO Foresight Datalabs was the speaker.
5. Dr.N.Sabiyath Fatima and Mrs.V.Muthupriya organised a one day workshop on “Big data Analytics(Cloudera) and Python programming” during 18th March 2017. Mr.B. Raja, Software Developer, Chennai Softech and Mr.S.Sainath, Associate Software Engineer, Gruppo Blanca Sella were the speakers.

6. Dr.S.Revathi and Mrs.T.Nagamalar organised a one day workshop on “Software Development for Portable Devices using Android” during 20<sup>th</sup> March 2017. Mrs.C.kavitha, Analyst, Verizon was the speaker.

### **Seminars**

1. Seminar on “Big Data in Action – Case Study” was conducted by the department on 19<sup>th</sup> November 2016. Dr. R.Shriram, Dr. S.Revathi, Mrs. Subhasini were the coordinators. III & IV Year B.Tech CSE Students, M.Tech (CSE) were the target audience. Mr.V.R.Anand Consultant and Trainer CPRO IT Services Pvt Ltd. Chennai was the speaker.
2. Mrs.T.Nagamalar and Dr.S.Revathi organized an interactive session on “Scope and Challenges of Digital India” during 23<sup>rd</sup> March 2017. Mr.V.Ponraj, Former Scientist G, Ministry of Defence, Bangalore was the speaker. II, III & IV yr students were the target audience.
3. Dr.Aisha Banu, Ms.Sharon Priya, Ms.Narayani, Ms.Subashini organized a seminar on “Artificial Intelligence and Machine Learning” during 23<sup>rd</sup> March 2017. Ms.Sakthi Devi, Group Leader, NIIT Limited was the speaker. III yr CSE students were the target audience.
4. Dr.Aisha Banu, Ms.Sharon Priya, Ms.Brindha Merin organized a seminar on “Digital Transformation using Cloud Computing” during 23<sup>rd</sup> March 2017. Ms.Sakthi Devi, Group Leader, NIIT Limited was the speaker. II yr CSE students were the target audience.

### **FDP**

1. FDP on “A School on Algorithms and Techniques” was conducted by the department from 9<sup>th</sup> to 12<sup>th</sup> November 2016. Dr.K.M.Mehata, Dr.S.Revathi, Mrs.Narayani, Mrs.Subhashini were the coordinators. Dr.Venkatesh Raman, IMSc, Dr.Saket Saurabh, IMSc, Dr.Naraynaswamy, IIT, Dr.Meghana, IIT were the resource persons. II, III and IV year CSE students, faculty and research scholars were the target audience.

### **• Conferences / FDP / Seminars / Workshops Attended**

#### **Workshops**

1. Dr.Sharmila Sankar, Dr.M.Sandhya, Ms.Valli, Dr.S.Revathi, Ms.Muthupriya attended a workshop on “Women’s empowerment in the Indian context” organized by Confederation of Indian industry on 2nd April 2016.
2. All Staff Pursuing Research at BSAU attended two days workshop on “Research Methodology and Quality Assurance” during 2<sup>nd</sup> and 3<sup>rd</sup> Dec 2016.
3. Ms.C.Hema and Ms.S.Bagirathi attended a two days “Hands on training on IOT lab setup” workshop during 6<sup>th</sup> and 7<sup>th</sup> February 2017 at BSACU.
4. Ms.X.Arputha Rathina, Ms.C.Hema, Ms.S.Bagirathi, Ms.A.Radhika, Ms.Narayani attended a two days “Hands on training on Labview” workshop during 23<sup>rd</sup> to 25<sup>th</sup> February 2017 conducted by ECE department at BSACU.



- Ms.C.Hema and Ms.S.Bagirathi attended a one day workshop on “Springer Nature Author Workshop” at Anna University on 27<sup>th</sup> February 2017.

**FDP**

- C.Hema and Ms.Bagirathi attended a 5 day FDP on “Grid cloud computing and Data mining” at Sri Sairam Engineering College from 20<sup>th</sup> - 24<sup>th</sup> June, 2016.
- Dr.Sharmila Sankar, Dr.W.Aisha Banu, Dr.M.Sandhya, Mrs.S.P.Valli, Mrs.Sharon Priya, Mrs.Narayani.R attended faculty assurance program on “Expectations and Future of IT industry” during 22<sup>nd</sup> October 2016 at CTS.
- Mr.Syed Abdul Syed attended faculty training programme on “Big Data Analytics” at Anand Institute of Higher Technology from 25<sup>th</sup> April-5<sup>th</sup> May 2016.

- Papers Published/ Presented In Journals & Conferences**

(Total Numbers Only)

National Conference	International Conference	National Journal	International Journal	Total
	5		17	22

- Details Of Publication In National & International Journals & Conferences: (IEEE Format)**

**International Journal:**

- T. Nagamalar, T. R. Rangaswamy, “Mathematical Model based Energy Efficient Routing with Prediction of Mobile Sink in WSN”, Advances in Natural and Applied Sciences, vol.10, no.4, pp.405-415, Apr 2016.
- C. Firdozali, T. Nagamalar, “Energy Aware Mobile Sink Based RPL Routing Protocol for Wireless Sensor Networks”, International Journal of Latest Technology in Engineering, Management & Applied Science, vol.5 no. 4, Apr 2016.
- S.Revathi and Udhaya Sandhya, “Text Mining using Side Information from Twitter Tweets “,International Journal of Science, Engineering and Technology Research (IJSETR) , pp. 2278 – 7798, Volume 5, Issue 4, April 2016.
- Arun Raj.L, K. Balaprasath, “ Predictive Analytics on Student Academics”, International Journal of Computer Trends and Technology, vol.34, no.2, Apr 2016.
- Boominathan.S, and Aranganathan, S, “A Verifiable Mechanism for Attribute based encryption in cloud computing”, International Journal of Engineering Research in Computer Science and Engineering, Vol 3, Issue 3, May 2016.

6. S.Revathi, T.Senthil Kumaran, "An Innovative Design Approach to Control over Ad Hoc Networks. Circuits and Systems", International Journal of Circuits and Systems, pp. 971-982, Vol. 7, May 2016.
7. Muthupriya.V, "Direct trust based detection and recovery process of jelly fish attack in MANET", International Journal of Emerging Technology in Computer Science and Electronics, vol.22, no.2, May 2016.
8. Suganthi.J, Brindha Merin, "Using of Jaccard Index for Catchwords Similarity Values", International Journal of Science and Innovative Engineering & Technology, vol.1, Issue.1, May 2016.
9. Sangeetha Ruth ,Saira Banu "Spatial Preference Newsfeed System for Android Mobile Users" , IRACST,Vol.6 ,Impact Factor: 0.765, ISSN: 2249-9555, May 2016.
10. Muthupriya.V, Dr. K.M.Mehata, "Review on Network layer attacks and counter measures in MANET", International Journal of Analog Integrated Circuits, vol.2, no.1, June 2016.
11. Arun Raj.L, Dhananjay Kumar and Srinivasan, "Adaptive Client Server Architecture to Support Video Streaming over Wireless Internet with Improved QoE", Asian Journal of Information Technology, vol.15, no.8, pp. 1322-1333, June 2016.
12. VK Mohan Raj, Dr. R Shriram, "Power management in virtualized datacenter–A survey", Journal of Network and Computer Applications, Vol 69, Pg 117-133, July 2016.
13. S.Revathi, T.Senthil Kumaran, "Dynamically Mitigating Flooding Overhead and Automatic Repairing for Mobile Ad Hoc Networks", Asian Journal of Applied Sciences (ISSN: 2321 – 0893), pp. 857-864, Volume 04 – Issue 04, August 2016.
14. N. Sabiyath Fatima and V. Muthupriya, "An Effective (FD-E-TOHIP) Fault Detection Enabled E-TOHIP for Mobile Ad-Hoc Networks", Indian Journal of Science and Technology, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645, Volume 9, Issue 40, October 2016.
15. Saira Banu, Dr.K.M.Mehata , " VOIP performance enhancement through SPIT Detection and Blocking", IIOAB,Vol.7, Issue 9,ISSN:0976-3104, December 2016.
16. C.Hema, Dr.Sharmila Sankar, Dr.Sandhya, "Performance comparison of Dragonfly and Firefly algorithm in the RFID Network to improve the data transmission", Journal of Theoretical and Applied Information Technology, Vol 95, Issue 1, January 2017.
17. S.Bagirathi, Dr.Sharmila Sankar, Dr.Sandhya, "Hybrid Zigbee RFID for detection of active tags and energy minimization", Journal of Theoretical and Applied Information Technology, Vol 95, Issue 3, February 2017.

**National Journal: -**

### International Conference:

1. C.Hema, Dr.Sharmila Sankar, Dr.Sandhya, "Energy efficient cluster based protocol to extend the RFID network lifetime using Dragonfly algorithm", International Conference on Communications and Signal Processing, Adiparasakthi Engineering College, Melamaruvathur, April 6<sup>th</sup> -8<sup>th</sup> 2016.
2. S.Bagirathi, Dr.Sharmila Sankar, Dr.Sandhya, "Tag Detection in RFID System based on RSSI Technique for LF and HF Passive Tags", International Conference on communications and Signal Processing, Adiparasakthi Engineering College, Melamaruvathur, April 6<sup>th</sup> -8<sup>th</sup> 2016.
3. S.Jahira Begam and N.Sabiyath Fatima, "Reverse Auction to Trade Unused Cloud Computing Resources", International Conference on Innovations in information Embedded and Communication Systems, April 2016.
4. N.S.Muneera and N.Sabiyath Fatima, "A Security Enabled Authentication Processing Time Reduction In Distributed Cloud Computing", International Conference on Innovations in information Embedded and Communication Systems, April 2016.
5. Navya Nelapati, Dr R.Shriram, "Automated Answer Evaluation of Short Answers Using Moodle Platform", International Conference On Innovative Emerging Trends In Engineering And Technology, Panimalar Institute of Technology, 7<sup>th</sup> May 2016.

### National Conference: -

- Details of Impact Factor Of The Publication H-Index  
A) Range B) Average C) H-Index D) No. In Scopus
- Sponsored Research (Ongoing / Applied)

### ONGOING SPONSORED RESEARCH PROJECTS

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. R. Shriram Prof. /CSE Mrs. A. Radhika Asst. Prof./CSE	Tamil Virtual Academy Anna University Campus	Tamil Plagiarism Detection Software	215000	Ongoing
2	Dr. R. Shriram Prof. /CSE	Central Institute of Classical Tamil	Meta Rule Modelling of Tamil using Tolkappiam as the Base	230000	Ongoing

### PROJECTS COMMUNICATED

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
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1.	Dr. Angelina Geetha Mr. C. Imthyaz Sheriff	Department of Education, MHRD	Games and Mobile Apps Based Learning to Induce Higher Order Thinking Amongst Rural School Children	13,20,000	Awaiting Reply
2	Dr. Sharmila Sankar Dr. M. Sandhya	DRDO	RFID Technology in logistics network of military applications using cognitive radio networks	52,50,000	Awaiting Reply
3	Dr. Sharmila Sankar Dr. M. Sandhya	DSIR	Impact of simplification of IT services in banks on the urban unbanked women in Tamilnadu	22,96,525	Awaiting Reply

- Special Research Laboratories Created - NIL
- **Major Equipment Purchased**
  - Department purchased IOT components (GSM board, Arduino, Zigbee devices) for IOT lab setup during February 2017.
- Book Published - NIL
- Patents (Obtained / Applied) -NIL
- International Visits By Faculty / Students - NIL
- Faculty Internships - NIL
- **Achievements of Staff**
  - Dr.R.Shriram conducted online entrance examination for the Faculty member recruitment of Civil and Mechanical departments during July 2016.
  - Dr.R.Shriram and Dr. M. Sandhya was appointed as Academic Council Member from 01<sup>st</sup> July 2016 to 30<sup>th</sup> June 2018.
- **Achievements of Students**

- Siddharth and Nizamuddin of III yr B.Tech CSE won the “Code like Boss” challenge held at CIT, Chennai by Revature during 18<sup>th</sup> March 2017. They won Rs.10000 as cash prize and a shield.
  - Nihail Suhair of III yr CSE won “People choice award” for the event E-Conclave(Entrepreneurial event) held at Rajalakshmi Engineering College during March 10th and 11th 2016.
  - Sheerin of III yr B.Tech CSE won second prize in the paper presentation “Pervasive Healthcare System using Cloud Computing” at SRM University during 26th August 2016.
  - Sai Krishna of III yr B.Tech CSE won the first place in Chalk Talk and Photo Quiz in the Symposium held at Chennai Institute of Technology during September 2017.
  - Sai Krishna of III yr B.Tech CSE won the second place in Connection at Symposium of Jerusalem College Of Engineering.
  - Mohammed Ismath Abrar of II yr B.Tech CSE won the Raja Puraskar Award from the Honorable Governor of Tamil Nadu.
  - Ibrahim Saud and Akshaya. V of II yr B.Tech CSE E won second place in On-Spot event held at Annual Islamic Cultural Event 2K16
  - Ibrahim Saud of II yr B.Tech CSE won the first place in Islamic Presentation at Annual Islamic Cultural Event 2K162K16.
  - Akshaya. V of II yr B.Tech CSE won the first place in Creative Writing at Annual Islamic Cultural Event 2K16
- **Developmental Activities**
    - Department lab audit was conducted during 25<sup>th</sup> April 2016 to 5<sup>th</sup> May 2016 by the faculties of the department to monitor the progress of lab activities and suggestions were given for conducting the lab in a better manner.
    - The ninth meeting of the Board of Studies for the Department of Computer Science & Engineering was held on 25.7.2016. The external members were Mr. Balaji Sethuraman and Dr. T. V. Geetha. The meeting was held to approve the revamping of syllabi for M.Tech(CSE,SE and NS) and changes in B.Tech(CSE) syllabus.
    - NBA Accreditation for B.Tech CSE programme was on 19<sup>th</sup> August 2016. B.Tech CSE programme was NBA accredited for 3 years.
    - Department ISO audit was conducted on 11<sup>th</sup> January 2017 to verify the attendance and assessment records, history cards, preventive and corrective actions taken after assessment tests. Internal ISO audit was held on 19<sup>th</sup> January 2017. Dr.D. Easwaramoorthy/ Chemistry and Dr. K.Yogeswari /Civil were the auditors.
  - **Industry / Institute Collaboration – COLLEGE LEVEL**
  - **Society Activities**

CSEA

The inauguration of CSE Association and ACM Students Chapter was held on 7th October 2016. Mr.Radhesh Koka, Co founder Gurukool.com was the chief guest. Mrs.C.Hema and Mrs.A.Radhika were the staff coordinators. R.Harish and Mithil Govind were the student coordinators.
  - **Mous Signed – College level**

- **Extension Activity Conducted**

- **Code Club**

- As a part of Code Club activity a workshop on “Virtual Reality” was conducted for IV and III yr B.Tech CSE students during March 12th and 13th 2016. Haashir Mohammed of III yr CSE delivered the lecture. Ms.C.Hema, Ms.S.Bagirathi, Mr.Imthyaz Sheriff and Mr.Arun Raj coordinated the workshop.
    - Department organized an intra department technical event in Code Club 2k17 for first, second and third year CSE students during 30th March 2017. Dr.Sharmila Sankar was the convenor and Mrs.C.Hema was the coordinator of the event.

- **Talent Hunt**

- Department conducted Talent Hunt event on 4<sup>th</sup> March 2017. Thirteen events were organised of which six were technical and seven were non technical events. Dr.Sharmila Sankar was the convenor. Dr.E. Syed Mohamed and Mrs.Subashini were the coordinators.

- **EC Meet**

- The department Extra curricular meet was held on November 5<sup>th</sup> 2016. Eleven non technical events were conducted for the students of CSE. Dr.M.Sandhya was the convenor. Mrs.Akila Devi and Mrs Brindha Merin were the coordinators of the event.

- **Important Visitors**

- Mr.Seshathiri, Vision Analytics Chennai was the speaker for the workshop on “Analytics with R - Hands on” conducted by the department during 10<sup>th</sup> June 2016 to 14<sup>th</sup> June 2016.
    - Mr. Balaji Sethuraman and Dr. T. V. Geetha were the external members for the ninth meeting of Board of Studies conducted on 25<sup>th</sup> July 2016.
    - Radhesh Koka, Co founder Gurukool.com was the chief guest for the inauguration of CSE Association and ACM Students Chapter which was held on 7<sup>th</sup> October 2016.
    - Dr.Venkatesh Raman, IMSc, Dr.Saket Saurabh, IMSc, Dr.Naraynaswamy, IIT, Dr.Meghana, IIT were the resource persons for the FDP on “A School on Algorithms and Techniques” conducted by the department from 9<sup>th</sup> to 12<sup>th</sup> November 2016.
    - Mr.V.R.Anand Consultant and Trainer CPRO IT Services Pvt Ltd. Chennai was the speaker for the seminar conducted on “Big Data in Action – Case Study” on 19<sup>th</sup> November 2016.
    - Prof. Albert Fassler, Bern University of Applied Sciences, Switzerland handled the one credit course on “Algebraic Introduction to Cryptography” from 20<sup>th</sup> February to March 3<sup>rd</sup> 2017.
    - Mr.Mohamed Rafi, Founder and CEO Foresight Datalabs was the speaker for the workshop on “Applied Machine Learning” during 18<sup>th</sup> March 2017.
    - Mr.B. Raja, Software Developer, Chennai Softech and Mr.S.Sainath, Associate Software Engineer, Gruppo Blanca Sella were the speakers for the workshop on “Big data Analytics(Cloudera) and Python programming” during 18<sup>th</sup> March 2017.

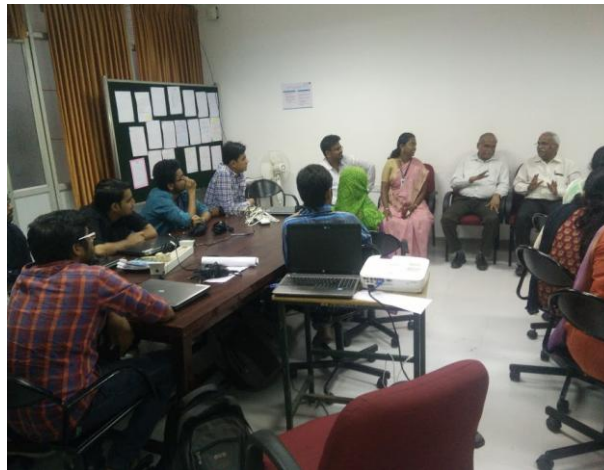


- Mrs.C.kavitha, Analyst, Verizon was the speaker for the one day workshop on “Software Development for Portable Devices using Android” during 20<sup>th</sup> March 2017.
  - Mr.V.Ponraj, Former Scientist G, Ministry of Defence, Bangalore gave a lecture on “Scope and Challenges of Digital India” during 23<sup>rd</sup> March 2017.
  - Ms.Sakthi Devi, Group Leader, NIIT Limited delivered a lecture on “Artificial Intelligence and Machine learning” and Digital Transformation using Cloud Computing” during 23<sup>rd</sup> March 2017.
- Any Other Information

**One credit course cryptography**



**Analytics with R - workshop**



**Virtual reality - workshop**



EC Meet 2016



Talent Hunt 2017





# DEPARTMENT OF INFORMATION TECHNOLOGY

## **INFORMATION TECHNOLOGY**

### **VALUE ADDED PROGRAMMES STARTED:**

- Six weeks “Oracle iLearning Certification Programme” in “Database Design and Database Programming with SQL” organized by department of Information Technology, BSAU in collaboration with Oracle Academy Global and ICT Academy of Tamilnadu during 19th September, 2016 to 28th October, 2016.
- QEEE (Quality Enhancement in Engineering Education) programme for the course Virtualization Technology-Cloud Computing conducted by IIT, Madras in collaboration with MHRD (Ministry of Human Resource Development), India during August-October 2016.
- Seven weeks Online course on “MongoDB Application Development using Java” is started from 22nd March 2017 to 10<sup>th</sup> May 2017 at BSAU Apple iOS Application Development Center for registered B.Tech(IT) UG and M.Tech(IT) PG students of Department of Information Technology, BSACU.

### **TRAINING PROGRAMMES OFFERED**

- Department of IT handled the “Bridge Course” classes to Second Year Lateral Entry Students joined in the academic year (2016-2017) on “Fundamentals of Computing (FOC)” during June 2016.

## CONFERENCES/ FDP/ SEMINARS/ WORKSHOP CONDUCTED

- BSAU Apple ios ADC and SCIMS Organized two day workshop on "Android Application Development" during 16th and 17th February 2017 to enhance the skill of our students. 25 IT students participated in the workshop.



- The Department has organized seminar on Cyber Security on 18.11.2016 for final year students those who have registered for the General Elective GEBX111 CYBER SECURITY (VII Sem) offered by Dept. of IT. The resource person is our Alumni Mr. Ranjith, Cyber Security Consultant, Ernst & Young.



- The Department has organized a guest lecture on Opportunities in Software Testing by Mr. T. Arun Prakash, Technology Analyst, Quality Engineering & Assurance, Cognizant Technology Solutions, Chennai, alumni of IT-PG (2011-13) on 11th February, 2017, from 9.30 a.m. to 11.00 a.m at BSAU.



## **CONFERENCES/ FDP/ SEMINARS/ WORKSHOP/ TRAINING PROGRAMME ATTENDED**

- Mrs.P.Usha,Assoc.Prof.,Mrs.L.Shakkeera,AP(SG),Mrs.C.Vijayalakshmi,AP(SG),Mr.Rajendran,AP(SG),Mrs.R.Mythily,AP,and Ms.A.Sonya,AP of Information Technology Department participated as Delegate in 4CCon-2<sup>nd</sup> National Conference of Free software Movement of India hosted by Free Software Foundation Tamilnadu from 26<sup>th</sup>-29<sup>th</sup> Jan 2017 at BSACU.
- Ms.R.Priyadarshini,AP(SG) coordinated Seven weeks Online course on “MongoDB Application Development using Java” is started from 22nd March 2017 to 10<sup>th</sup> May 2017 at BSAU Apple iOS Application Development Center for registered B.Tech(IT) UG and M.Tech(IT) PG students of Department of Information Technology, BSACU.
- Mrs.P.Usha,Assoc.Prof ,Ms.R.Priyadarshini,AP(SG) and Ms.R.Mythily,AP attended 5 days FDP on Design and Analysis of Algorithms conducted by Dept. of CSE & IIT Madras, Chennai during 08.11.2016 to 12.11.2016.
- Mrs.R.Priyadarshini,AP(SG) attended two days workshop on "Android Application Development" during 1st and 2nd October2016.
- Mrs.L.Shakkeera,AP(SG) and Mrs.R.Mythily,AP attended Faculty Development Programme (FDP) on “Grid, Cloud Computing and Data Mining” conducted from 20.06.2016 to 24.06.2016.
- All the faculty members of Department of IT attended two day workshop on “Research Methodology & Quality Assurance” organized by the office of Dean(Academic Research), BSAU, on December 2nd and 3rd, 2016.
- Ms.A.Sonya,AP attended one day Faculty Development Program on "Effective Programming Skills" organized by CTS , Chennai on 28th May, 2016.
- All the faculty members of Department of IT attended a training programme on the usage of “Turnitin Software” organized by the office of Dean (Academic Research), BSAU on 5/10/16.
- Mrs.C.Vijayalakshmi AP (SG) attended one day workshop on "Student Motivation and Classroom Management" organized by Faculty Training Academy (FTA) and Internal Quality Assurance (IQAC), BSAU on 23rd May, 2016.
- Mr.E.K. Subramanian,AP(SG) attended Faculty Development Program on Hadoop (Hortonworks) conducted by ICT Academy of Tamilnadu from 18th to 22nd July 2016 held at Sri Sai Ram Institute of Technology, Chennai.
- Mr.E.K. Subramanian,AP(SG) attended workshop on MOOC at SRM University during Dewang Mehta AWRD function on 22/3/2017.
- Mrs.R.Priyadarshini,AP(SG) attended Level 1: Java for Android during 11 & 12 March 2017.



- Mrs.R.Mythily,AP,and Ms.A.Sonya,AP, Mr.N.Rajendran, AP(SG) attended two days workshop on “Android Application Development” during January 2017.
- Dr. N. Prakash attended Two Day Workshop on "Android Application Development" Conducted by BSAU - Apple iOS Application Development Centre during 01 & 02, October 2016
- Dr. N. Prakash attended one day Workshop on "Traints of Quality Research" organised by the Office of Dean (Academic Research), B.S. Abdur Rahman University, Chennai on December 03rd, 2016.
- Ms.L.Shakeera, AP (SG) attended QEEE-Industry Bridge by CII on the topic “Internet of Things” by Mr.Paul Sundar Singh, Industry Lead, Accenture on 08-03- 2017.
- Mr.N.Rajendran , AP (SG) , Coordinator BSAU Apple iOS center has organized various workshops, seminars and weekend trainings .

### **PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES**

<b>National Conference</b>	<b>International Conference</b>	<b>National Journal</b>	<b>International Journal</b>	<b>Total</b>
<b>0</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>11</b>

### **DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:**

#### **INTERNATIONAL JOURNALS**

- P.Usha, Sasi Rekka, R Shriram “Enhanced Fast Perturbation Algorithm for BigData to Preserve the Sensitive Itemset” in the International Journal of Emerging Technology in Computer Science and Electronics, Volume 22, Issue 2, May 2016.
- V M Jaghadhini, G Kavitha “Providing Secure data Sharing Service in Cloud Computing Environment” in the International Journal of Emerging in Computer Science and Electronics(IJETCSE), Volume 22, Issue 2, May 2016. ISSN: 0976 - 1353
- Shabaz Afzal and M Kabeer “Long Term Evolution (LTE) Communication System: Functional Blocks and Working” in the International Journal of Emerging in Computer Science and Electronics (IJETCSE), Volume 22, Issue 2, May 2016. ISSN: 0976 – 1353.
- Veeralakshmi Ponnuramu, Latha Tamilselvan “Secured Storage for Dynamic Data in Cloud” International Journal Informatica , Volume No 40, pp: 53-61, 2016

- P Gnansekaran and T R Rangaswamy, “Relative connectivity and link stability based routing protocol for mobile Ad-hoc networks” ARPN Journal of Engineering and Applied Sciences, Vol 11, pp 6794- 6805, June 2016.
- Shakkeera.L and Latha Tamilselvan, “QoS and load balancing aware task scheduling framework for mobile cloud computing environment” International Journal of Wireless and Mobile Computing , Vol.No.10, Issue No.4, pp.309-316,2016.
- Mohammed Imran and G.Kavitha, “Spatial Data Mining for Location Based Services”, Indian Journal of Science & Technology,Vol.No.9,Issue.No.48,PP.1-10,December 2016.
- Shakkeera L and Latha Tamilselvan, “Towards Maximum Resource Utilization and Optimal Task Execution for Gaming IoT Workflow in Mobile Cloud”, International Journal of Intelligent Engineering & Systems, Vol. 10, No. 1,pp: 134-143, 2017.
- Udhay Kumar and Latha Tamilselvan, “A Trusted Software Service Model with cloud attestation protocols for behavior trust analytics”,International Journal of Intelligent Engineering & Systems, Vol. 10, No. 1,pp: 127-133, 2017.

#### **INTERNATIONAL CONFERENCE**

- Raja Poornima.M, Dr.Latha Tamilselvan and R.Priyadarshini, “Personalized Semantic Retrieval of Information from Large Scale Blogdata” IEEE International conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT’2016, Sri Venkateswara College of Engineering, Bangalore 20th & 21st may 2016.
- Dr.Kabeer, “Long term evolution communication systems functional blocks and working” for International conference on Advances in Emerging Technologies 2016 7/5/16 at Jaya Engineering College

#### **NATIONAL CONFERENCE**

##### **DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index**

- Publication H-Index- 6
- RANGE- 0.13 - 0.28
- AVERAGE- 0.18
- h-INDEX - 1
- NO.IN SCOPUS – 6

#### **SOCIETY ACTIVITIES**

- Society Activities of IT department was inaugurated on 27th October 2016. The chief guest Mr.Albert Einstein Head of Operations , EinNel Technologies Chennai

delivered a guest lecture on the topic “Leadership, Technology Innovation and Ethics for the Emerging Future”.



- National Level Technical Symposium Crestech 2017 was organized during 24th and 25th March 2017. Our department conducted two technical events “Code Rush” and “Do the Doodle”. More than 100 students from various colleges participated in the event.
- Dr.Latha Tamilselvan, Prof & Head convener , Dr.G.Kavitha, Assoc.Prof.(Sel.G), Ms.L.Shakkeera, AP(Sr.G), Ms.P.latchoumy, AP(Sel.Gr.), Ms.P.Usha, Associate Prof. handled the classes on “Oracle iLearning Certification Programme” in “Database Design and Database Programming with SQL” organized by department of Information Technology, BSAU in collaboration with Oracle Academy Global and ICT Academy of Tamilnadu during 19th September, 2016 to 28th October, 2016.



- Department conducted Alumni meet on 18-03-2017, more than 25 alumni from the year 1999 to 2016 passed out students. The alumni had one-one interaction with students and faculty members about placement, career development, current trends in technology and curriculum revamping.

### **INTERNATIONAL VISITS BY FACULTY / STUDENTS**

- Dr. Latha Tamilselvan visited Shanghai, China during March 1st, 2nd, 3rd 2017 participated and for distribution of brochures to participants of China Agriculture Conference 2017.



### **ACHIEVEMENT OF STAFF**

- Member of the Ball Badminton team and Won the “Buck Memorial Sports Festival 2016-2017” organized by YMCA College of Physical Education
- Participate in the “Crescent Badminton League” tournament held at Chennai on 25th September 2016.
- Dr.N.Prakash, Associate Professor, Ms. R.Priyadarshini, AP (Sr.Gr.), Mr.N.Rajendran, AP (Sr.Gr.),successfully completed NPTEL courses – Introduction to Modern Application Development.
- Ms.L.Shakeera, AP(Sr.Gr.), successfully completed NPTEL course on “Information Security”.
- Mr.R.Mythily, AP, got a certification on completing the Swift Fundamentals course from SOLO Learn Academy.
- Ms.R.Priyadarshini, got a cerification and obtained Level 1 IBM badge for completing fundamentals of bigdata course from Big Data University.
- Mr.E.K.Subramanian completed online certification programme from Big Data University for the following online courses. Big data 101,Hadoop 101,Data Science 101,Python 101.

### **ACHIEVEMENT OF STUDENTS**

- Deeshan Sameera of III Yr. B.Tech IT won first place in Shortput at Sportz Event held at March 2017.
- 25 students completed oracle certification course from November – December 2016.
- Deeshan Samira, Ashfin Shama, Chadru of III yr. B.Tech IT are finalist in connexions event at Origin 2017- Maths Department Symposium.

- 25 Students from II Yr. IT had successfully completed certification course in Introduction to Modern Application Development from NPTEL organized by IIT Madras and Hasura.
- Mr.M.Mohammed Javed Final Year, M.tech IT , is attending Internship in Hardware and Networking at VDART Technologies Pvt. Ltd., Trichy from 1<sup>st</sup> March to 31<sup>st</sup> May 2017.
- Ms.Nandhitha of III Yr. B.Tech IT, attended Internship on developing a java application during June 2016 at Glosys Technologies.
- Ms.Ulfath Thabassum.T of III Yr. B.Tech IT attended Internship on IOT webnms platform in Zoho Corporation during June -July 2016.
- Ms.Ulfath Thabassum.T of III Yr. B.Tech IT won 2<sup>nd</sup> place in drawing and 1<sup>st</sup> place in photography on womens day celebrations conducted held at BSACU.
- More than 10 students of III Year B.Tech IT attended one Credit course on “Algebraic Introduction to Cryptography” during February 20th – March 03rd, 2017.
- Fathima Mariyam of III year B.tech IT is awarded certificate of excellence for top ranker from Sri Dewang Mehta Excellance Award 2017.
- Fathima Mariyam of III year B.tech IT has finished a long ride in Tour De Crescent Cyclothon.
- Tabish Gawai of IV Year B.Tech IT has received winner State Level Founders Trophy conducted by B.S.Abdur Rahman Crescent University.
- Tabish Gawai of IV Year B.Tech IT, Runner Up in Football Tournament conducted by Tamilnadu Police Academy Public Sportz Meet.
- Mohammed Azeem of I year B.Tech IT is awarded certificate of excellence for top ranker from Sri Dewang Mehta Excellance Award 2017.
- Imran of I year B.Tech IT is runner up in Football Tournament conducted in Crescent University.

### **DEVELOPMENTAL ACTIVITIES**

- M.Tech(IT) and B.Tech(IT) programmes were accredited by NBA for 3 Years.
- M.Tech(IT) and M.Tech(ISDF) programmes curriculum and syllabi was revamped.

### **IMPORTANT VISITORS**

- More than 10 students attended one Credit course on “Algebraic Introduction to Cryptography” during February 20th – March 03rd, 2017. The course is to be handled by Dr. Albert Fassler, Bern University of Applied Sciences, Switzerland.
- Mr.Mohamed Bakkrudeen, Associate Director, Cognizant Technologies, Chennai, Mr.I.Arockia Doss Senior Manager, Wipro Technologies, Chennai, Mr.S.Sriram, Senior Manager, Cognizant Technologies, Chennai visited our department for Pre-Curriculum meeting held on 12-01-17 for formation of new B.Tech.(IT) Curriculum – 2017.

- Faculty Members from 8 UK universities visited our department and gave lectures on cutting edge technologies like Big Data, Internet of Things, Data Analytics, Cryptography & Security on 25th January 2017.

### **OTHER INFORMATION**

- Organized Industrial visit to Satish Dhawan Space Center (SDSC), SHAR Sriharikota, Nellore (AP), India on 8th March 2017.



- Organized Industrial visit to News 18 Tamilnadu & Pudhiya Thalaimurai on 22nd March 2017.



# DEPARTMENT OF COMPUTER APPLICATIONS





## COMPUTER APPLICATIONS

- **New Programmes Started**

The following undergraduate programmes were introduced in the year 2016 -2017

- BSc(Comp Sc)
- BCA(CT&IS)
- BCA(MT&IS)

- **Value Added Programmes Started**

-Nil

- **Training Programmes Offered**

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

- **Interdisciplinary Programmes Conducted**

-Nil

- **Conferences / FDP / Seminars / Workshops Conducted**

S.No	Title of the workshop	Chief guest	Date
1	One day work shop on Android & IOs Programming	Mr. Babulal Senior Associate, CTS ,Chennai	18.02.2017
		Mr.A.Salman Ayaz AP/CA	
		Dr.P.K.Nizar Banu AP/CA	
		Mr.Muthu Kumaresh IOs Developer, Kutung Design Lab Pvt Ltd.	
		Mr.Aravindh IOs Developer, Customer Analytics	
2.	One day work shop on Website Development and Soft Skills	Mr.A.Sarfraz Ahmed Head -Technology Operations, Weblogik	1 <sup>st</sup> March 2017
		Dr. H. Sofia <b>Associate Professor,</b> Department of English BSAU.	
		Mr.James Ajoo Senior Faculty iNuture Education Solutions, Bangalore	
3.	One day work shop on Problem solving and soft skills	Mr. Maria Rajiv Application Development Specialist, Accenture	7.03.2017

		Mr.RAJARAMAN K.S Resource Person <b>(Freelancer)</b>	
		Dr.P. Rathna Resource Person <b>(Associate Professor), Department of English, B.S.Abdur Rahman Crescent Universit</b>	
4.	QEEE Pilot programme	Professors from IIT Bombay	August 2016- October 2017
4	Best Programming Skills	Mr. Saravana Kumar from TCS	22.11.2017

• **Conferences / FDP / Seminars / Workshops Attended**

- A.Abdul Azeekhan and K.Javubar Sathick attended FDP on Open Source Technologies at PSG College of Technology held on 22<sup>nd</sup> -28<sup>th</sup> Aug 2016
- A.Abdul Azeekhan and K.Javubar Sathick attended NPTEL online course on Introduction to Modern Application Development ,conducted by IITM- MINISTRY OF HRD, GOVT.OF INDIA from 5<sup>th</sup> Sep -30<sup>th</sup> Oct 2016
- P.Padmavathy attended the Two day Workshop on Research Methodology and Quality Assurance on 2<sup>nd</sup> and 3<sup>rd</sup> of December 2016 at B.S.Abdur Rahman University
- M.Syed Masood attended Two day workshop on “Research Methodology & Quality Assurance” organized by the office of Dean (Academic Research), BSAU on Dec 2<sup>nd</sup> and 3<sup>rd</sup> 2016.
- Dr.P.K.Nizar Banu attended FDP on Oracle Programming using PL/SQL at Vels University, during Jan 2017 ,Chennai ,
- Dr.P.K.Nizar Banu One day workshop on Commercialization of Intellectual Property and Quality Assurance in Higher Education held on 09.02.2017 at B. S. Abdur Rahman Crescent University, Chennai
- Dr.Nizar Banu attended one day workshop on “Commercialization of Intellectual Property and Quality Assurance in Higher Education” held on 9.2.2017 at B.S.Abdur Rahman University.
- Dr.P.K.Nizar Banu attended the Two day Workshop on Research Methodology and Quality Assurance on 2<sup>nd</sup> and 3<sup>rd</sup> of December 2016 at B.S.Abdur Rahman University.

- P.Padmavathy Attended the QEEE - virtual online interactive classes on the topic Operator Overloading during February 2017.
- The following staff members attended one day workshop on One day Workshop on CloudEra and Python Programming on 18<sup>th</sup> of March 2017 at B.S.Abdur Rahman University.
  - 1.Dr.Anny Leema
  - 2.S.Shahar Banu
  - 3.G.Shree Devi
  - 4.P.Padmavathy
  - 5.Dr.P,K.Nizar Banu
  - 6.A.Salman Ayaz
  - 7.S.Prathiba

- **Papers Published/ Presented In Journals & Conferences**

(Total Numbers Only)

National Conference	International Conference	National Journal	International Journal	Total
03	15	-	12	<b>30</b>

- **Details Of Publication In National & International Journals & Conferences: (IEEE Format)**

**International Journal:**

- Murugesh , A.Jaya, "Representing Natural Language Sentences In RDF Graph And Discourse Representation For Ontology Mapping" , International Journal of Applied Engineering Research (IJAER), Volume 11, Number 1, 2016, pp 632-635. (**Annex I**)
- P.G. OmPrakash and A.Jaya " Analyzing and Predicting User Behavior Pattern from Weblogs" ,International Journal of Applied Engineering Research ISSN 0973-4562 Volume 11, Number 9 (2016) pp 6278-6283 (**Annex I**).
- Sunitha.C, .A.Jaya, Amal Ganesh , "A Study on Abstractive Summarization Techniques in Indian Languages" , international open access journal Elsevier Proceedia Computer Science, Volume 87, 2016 pages 25-31 which is indexed by [sciencedirect.com](http://sciencedirect.com).
- Jishma Mohan, Sunitha.C, A. Jaya, Amal Ganesh, "A Study on Ontology Based Abstractive Summarization" , international open access journal Elsevier Proceedia Computer Science, Volume 87, 2016 pages 32-37 which is indexed by [sciencedirect.com](http://sciencedirect.com)

- Vidhya Sathish and Dr.P.sheik Abdul Khader , “Enhanced Hybrid model of support vector-Grey wolf optimizer Technique to improve the classifier’s Detection Accuracy in designing the efficient Intrusion Detection model”, Asian Journal of Applied Sciences, Vol. 4 , Issue 1, PP.135-148, Feb 2016. ()
- P.Padmavathy,A.Anny Leema ,”Sentiment Mining from Online Patient Experience Using Latent Dirichlet Allocation Method “ Indian Journal of Science and Technology, Vol 9(19), May 2016
- G. Shree Devi and M. Munir Ahamed Rabbani published paper titled “Performance evaluation of Global histogram equalization techniques using neighbourhood metrics over facial databases” in International Journal of Tomography and Simulation, Volume 29, Issue Number 2(2016) p27-36.
- Zameer Gulzar, A. Anny Leema, 2016. Proliferation of E-learning in Indian Universities through the Analysis of Learning Management System Scenario: A Novel Approach. Indian Journal of Science and Technology. 9 (21): 1-9. (Scopus)
- Abdul Azeekhan , P.Sheik Abdul Khader,” Expertization Level Ranking for Query Transformation.,” Indian Journal of Science and Technology,vol 9 iss 37,pp 1-9, Oct 2016
- Zameer Gulzar, A. Anny Leema, 2016. A Framework for Ontology Based Course Recommendation System. International Journal of Advanced Research Trends in Engineering and Technology.3 (20): 18-22. (EBSCO)
- K. Vijayalakshmi, K. S. Fathimathus Zohra and A. Anny Leema,2016. SC-TPDP Protocols to secure Multi-Cloud Storage from XSS Attacks. Indian Journal of Science and Technology. 9(19).1-7(Scopus)
- K.Shobana, Dr.A.Anny Leema , An Integrated Approach For Supervised Learning Of Online User Reviews Omics and Applied Biotechnology (IIOAB). Vol 7,iss 9 pp 117-124,Aug 2016.
- P. K. Nizar Banu, H. Hannan Inbarani, Fuzzy Firefly Clustering for Tumor and Cancer Analysis, International Journal of Modelling, Identification and Control, Vol. 27(2), Feb 017.

**National Journal:**

**Nil**

**International Conference:**

- Mervin, A. Jaya, “ A novel approach of collaborative KBQA system using Ontology” Attended 7<sup>th</sup> International conference on emerging techniques in Engineering,Science and Management organized by International Organization of Scientific Research and development during the 25<sup>th</sup> & 26<sup>th</sup> Nov 2016.

- Muruges, A. Jaya ,“Representing natural language sentences in RDF graph to derive knowledge patterns” published in Springer , Advances in Intelligent Systems and Computing, August 2016, Volume 469, pp 701-707.
- Mervin, A. Jaya, “A Novel Approach to Mapping for KBQA System Using Ontology” in International Conference on Emerging Research in Computing, Information, Communication and Applications in Nitte Meenakshi Institute of Technology, Bangalore, India. [Springer],July 2016
- P.Maheswari and A. Jaya, "Organising and retrieving of scientific articles using ontology ", in the proceedings of "21st International conference on computer science and information technology(ICCIT 2016) ,Aug 2016
- Salman Ayaz A, A.Jaya, “An Integrated approach to improve the ranking of Web pages” in the proceedings of "21st International conference on computer science and information technology(ICCIT 2016) Aug 2016
- Vijitha, S.Prathiba ,” Job scheduling in cloud by using Maximizing Profit Scheduling Algorithm” , in International Conference on Research and Development in Information and Communication Technology at E.G.S Pillay Engineering college held on 27<sup>th</sup> & 28<sup>th</sup> May 2016.
- K.Suganthi, S.Prathiba ,” Deadline based Task Scheduling and VM Migration in Cloud” ,in International Conference on Innovative and Emerging trends in Engineering and Technology at Panimalar Institute of Technology held on Panimalar Institute of Technology on 7<sup>th</sup> May 2016.
- A.Salman Ayaz, A.Jaya ,“A Framework for Recommending Relevant Web Links to Online Users “ in International Conference on Advanced Computing and Communication Systems (ICACCS -2015)”, Jan. 06 – 07, 2017, Coimbatore
- Zameer Gulzar, A. Anny Leema. 2017. Towards Recommending Courses in a Learner Centered System Using Query Classification Approach. IEEE International Conference on Advanced Computing and Communication Systems (ICACCS -2017), Sri Eshwar College of Engineering, Coimbatore, Tamilnadu. Jan. 06 ,2017.
- Zameer Gulzar, A. Anny Leema, 2016. A Framework for Recommender System to Provide Personalization in an E-learning System. International Conference Innovative systems (ICIS 2016), Inventive Research Organization, Bangalore, 16-17 December.
- Zameer Gulzar, A. Anny Leema. 2016. An Ontology Based Approach for Exploring Knowledge in Networking Domain. IEEE International Conference on Innovations in Computer Science and Technology (ICICT, 2016), RVS Technical Campus, Coimbatore, August 26-27.

- Zameer Gulzar, A. Anny Leema, 2016. A Framework for Ontology Based Course Recommendation System. International Conference on Innovations in Computer Science and Technology (ICICST, 2016), Alagappa University, Karaikudi, 4-5 April
- K. Vijayalakshmi, A. Anny Leema, 2017. Extenuating Web Vulnerability with a Detection and Protection Mechanism for a Secure Web Access. International Conference on Signal Processing, Communications and Networking (IEEE Conference), Anna University, March 17, 2017.
- K. Vijayalakshmi, A. Anny Leema. XSS Fortifier - Enduring through Dynamic coding structure. International Conference on Cyber Criminology, Digital Forensics & Information Security. February 17, 2017.
- K. Vijayalakshmi, A. Anny Leema. XSS Refiner techniques for Web Vulnerabilities. International Conference on Cyber Criminology, Digital Forensics & Information Security. February 17, 2017.

**National Conference:**

- P.Lhavanyaa, S.Prathiba, "Securing the Apps using Multi Launcher in Android Application", in National Conference on Emerging trends in Communication & Technology at K.S.Rangaswamy College of Technology held on April 22<sup>nd</sup> 2016.
- A.Salman Ayaz, "An Exploratory Analysis of Web Search Engines" ISBN:978-93-84943-19-6, ISTE Sponsored, National Conference on NCIET 2017 conducted by Karpagam College of Engineering on 25th February 2017, Coimbatore
- Zameer Gulzar, A. Anny Leema, "Towards Ontology-Based Taxonomy of Computer Science domain", National Conference on Innovations in Engineering and Technology 2017 conducted on 25th February at Karpagam College of Engineering, Coimbatore.

**Details of Impact Factor Of The Publication H-Index**

A) Range 2.0 -5.0 B) Average 4.16 C) H-Index -05 D) No. In Scopus 04

**Sponsored Research (Ongoing / Applied)**

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	-	-	-	-	-

- S



- **Achievements of Staff**

- Dr.P.K.Nizar Banu obtained her Ph.D degree from Bharathiyar University ,Coimbatore during July 2016.
- Dr.A.Jaya acted as Resource person for faculty development programme on Artificial Intelligence on 7.1.2016 organized by St Joseph of college of Engineering , Chennai
- Dr.A. Jaya delivered a guest lecture on internet of Things at CSI-Ewarts college for women on 2<sup>nd</sup> March 2016
- Dr.A.Jaya Delivered a invited speak on Sentic Computing at *Loyola-ICAM College of Engineering* during the National Conference on Computational Intelligence Systems NCCIS 16 - april 7, 2016.
- Dr.A.Jaya delivered key note address in “recent trends in Multimedia technologies - VFX” organized by department of Computer Science , Vels University during 3<sup>rd</sup> October 2016
- Dr.A.Jaya delivered key note address on “role of ontology in AI” at MGR Janaki college for women, Chennai on 4.1.2017
- Dr.A.Jaya acted as session chair during the National Conference on Computational Intelligence Systems NCCIS 16 - april 7, 2016 organized by *Loyola-ICAM College of Engineering*
- Dr.A.Jaya acted as session chair during the first International Conference on Recent Trends in Engineering and Technology during the 28-29 April 2016 organized by *St’Joseph’s Institute of Technology,Chennai*
- Dr.A.Jaya acted as member in Question paper scrutiny committee for Anna University.
- Dr.P.Sheik Abdul Khader organized QEEE classes in virtual class room environment for our university students.
- Dr.P.Sheik Abdul Khader advisor ,BSAU Apple IOS Application Development Centre , organized Two Days Workshop on "Mobile App Development using App Inventor" during 16 & 17, March 2017.
- Dr.P.Sheik Abdul Khader advisor ,BSAU Apple IOS Application Development Centre organized Six Days Weekend Training Programme on "Mobile App Development" during 11, 12, 18, 19 March & 01, 02 April 2017.
- Dr.P.Sheik Abdul Khader acted as a Nodal officer for National Mission Education through ICT
- The following tasks are carried out by Dr.P.Sheik Abdul Khader for the improvement of network performance in BSAU.

- Internet connectivity Maintenance
  - Provided the gateway solutions to the university Network by procuring firewalls, V-LAN segmentation for wired and wifi with increased access points
  - Revamped the entire BSAU networks (Flat structure to V-LAN segmentation)
  - Implemented Reliance-JIO through MoU
  - Single point of contact: In-charge for entire university CMC (Computer Maintenance Cell) activities
- Dr. P.K.Nizar Banu delivered a guest lecture on Internet of Things in an Orientation Programme at Sri Saradha Niketan College of Arts & Science, Salem on 22-07-2016.
  - Dr. P.K.Nizar Banu delivered a guest lecture on Prospects in IT and Super Education at Muthayammal Memorial College of Arts & Science, Rasipuram on 13-02-2017
  - Dr. P.K.Nizar Banu delivered a guest lecture Android Application Development in a Workshop on Android / ios Application Development at B.S. Abdur Rahman Crescent University, Chennai on 18-02-2017
  - Dr. P.K.Nizar Banu delivered a guest lecture on Introduction to Word Processing & Spread Sheet and Use of Presentation Tools in Creating E-content at The Tamil Nadu Dr. MGR Medical University on 02-03-2017.
  - A.Salman Ayaz delivered a Guest Lecture on the topic “Internet of Things” at Wisdom College of Arts & Science Cheyyar on 8 th Feb 2017.
  - A.Salman Ayaz delivered a lecture on Android Programming at the Workshop on “Android and IoT Programming “ conducted by Dept. of Computer Applications of B.S Abdur Rahman University on 18 th Feb 2017.
  - **Achievements of Students**
    - Shabana Parveen.A of II MCA won 2<sup>nd</sup> place in paper presentation (topic:sixth sense)conducted by nature club in BSAU on 25/11/2016.
    - T.D. Srinivasa Ragavan of II MCA won 3<sup>rd</sup> place in paper presentation conducted by nature club in BSAU on 25.11.2016.
    - Najun Nazar of II MCA B section won 2<sup>nd</sup> place in turn coat conducted by nature club in BSAU on 25.11.2016.
    - K. Pradeep and M. Sethupathi raja of II MCA B section won 1<sup>st</sup> place in Logo Quiz conducted by nature club in BSAU on 25.11.2016.
    - Ms.Kanagavalli II MCA has participated in EXPOMASH’17, held at VELS UNIVERSITY on 3<sup>rd</sup> March 2017
    - B. Mohamed Umer Farook and A. Shabana Parveen participated in paper presentation event of expomash’17 conducted at Vels university on 3<sup>rd</sup> march 2017.

- A. Thonnister selva participated in gaming event of expomash'17 conducted at vels university on 3<sup>rd</sup> march 2017.
- N.D. Surendhran participated in Technical Quiz event conducted at Vels university on 3<sup>rd</sup> march 2017.
- C. Priyanka and P. Davanya participated in debugging event of expomash'17 conducted at Vels university on 3<sup>rd</sup> march 2017.
- Shamily. H and Pradeep. K participated in connexions event of expomash'17 conducted at Vels university on 3<sup>rd</sup> march 2017.
- C. Priyanka, H. Shamily and N.D. Surendhran of II MCA attended the SIPA-CHENNAI MEET 2016 on 10.9. 2016.
- Priyanka.C, Surendhran.N.D,Shamily.H,Nabil Ahamad. and D,Pradeep.K attended the 16<sup>th</sup> State Level Sports Meet for the differently able persons 18 Feb 2017.
- P. Salu MCA III winners in Founders trophy STATE LEVEL TOURNAMENT 2016-17
- Ms.Keerthana of final year MCA won the first prize in web design in Valiammai Engineering College in June 2016.
- Eliyaskhan won second prize in the web designing competition Niral 2016 held in Anna University.
- Ms.Salu Ball badminton player won First prize in the YMCA state level badminton tournament held in the month of August 1<sup>st</sup> 2016.
- Ms.Salu Ball badminton player participated in the ICF All India Ball Badminton and won second prize held in the month of October 2016.
- P. Salu,MCA III won Runners-Up in All India Interuniversity 2016-17
- P. Salu ,Final year MCA represented Indian University Senior and won Nationals 5<sup>TH</sup> place.
- P.Salu , Final year MCA, winners in Founders trophy STATE LEVEL TOURNAMENT 2016-17
- Mr.Arsath Ali ,Final year MCA Ball badminton player won First prize in the MSGS District level Ball badminton tournament held in September 2016.
- Mr.Arsath Ali ,Final year MCA participated in State Level ball badminton match and got best player at Ranipet held in September 2016.
- Mr.Arsath Ali ,Final year MCA participated in State Level ball badminton match in Illayangudi and won the 4<sup>th</sup> prize held in November 2016.
- Mr.Arsath Ali ,Final year MCA participated in the Founder trophy ball badminton in BSA Crescent University and won second prize held in March 2017.
- Ms.Salu and Mr.Arsath Ali of ,Final year MCA Ball badminton players participated in the SRM All India Ball badminton tournament held in September 2016

- **Developmental Activities**

The website and Internet services of the University are maintained by the [Department of Computer Applications](#). Along with that the Department offers additional virtual lab classes, live classes, tutorial MOOC's and vocational augmentation. Courses through IIT Professors under MHRD's QEEE programmes are offered. Special placement opportunities on mobile development in Android/IOs platforms.

**QEEE – Quality Enhancement in Engineering Education**

**QEEE Live Classes**

- University Data Centre has successfully launched Virtual classes of the **MHRD's QEEE pilot programme** on the following topics during Aug 2016 to March 2017. Students from EEE, IT and EIE Departments have attended the live classes.

	Topic	Date
1.	Memory Mapping and Peripheral Interfacing - Microprocessors and Microcontrollers	Aug2016- Oct2016
2.	Classification of Signals and System - Introduction to Signals and Systems	
3.	Cloud Technology Overview - Cloud Computing	
4.	Virtualization Technology - Cloud Computing	
5.	8085 and 8086 Microprocessor: Architecture, Assembly Language Programming and System Design - Computer Organization and Architecture	
6.	Natural Convection, Boiling and Condensation - Convection Heat Transfer	Jan 2017- Mar 2017
7.	Digital System Design - Digital Electronics	
8.	Spectroscopy and Applications - Engineering Chemistry	
9.	Operator Overloading - Object Oriented Programming	
10.	<u>Pointers - Programming in C and Data Structures</u>	
11.	<u>Public Key Cryptography - Information Security and Cryptography</u>	
12.	<u>Open Channel Flow - Hydraulics and Hydraulic Machinery</u>	
13.	<u>Durability of Concrete - Concrete Technology</u>	
14.	<u>Electrochemistry and its Applications - Engineering Chemistry</u>	



- **CLUB Activities:**

- The Android Club was initiated on 01.10.2015, with a view of providing skills on developing mobile applications. In continuation with the activities, Mr. Saravana Kumar from TCS delivered a lecture on Best Programming Skills on 22.11.2016. Students of II and III year MCA, I year B.Sc(CS), I Year BCA (CTIS), BCA (MAIS) participated and shared their interest on developing numerous applications that will be of social interest and gaming application.
- Nature Club activity was conducted on 25.11.2016. The club concentrates to nurture and enhance the capabilities of the students in various aspects of life. On this account the program started with a motivational speech by Mr. Veeraganesh Industry profession from iNuture . Paper Presentation, Turn Coat, The World of Logo and Slogan were conducted for students to explore their talents. Winners were identified for each event, they were duly rewarded and appreciated for their success.

- **Industry / Institute Collaboration**

**-Nil**

- **Society Activities**

The Inauguration for the activities of the Computer Applications Association for the academic year 2016-17 was held on 4<sup>th</sup> November 2016. Keynote address was given by Mr. T.R. Vasudeva Rao, Vice Chairman ,CSI India guest for the function. He delivered a Motivational Talk on Placement Opportunities. Mr. Nizam Mohammed, Head of Operations, Sparx Systems India addressed the gathering and delivered special lecture on “Digital transformation -Making digital meet physical” on November 4<sup>th</sup> 2016.



**DEPARTMENT OF MATHEMATICS &  
ACTUARIAL SCIENCE**





## MATHEMATICS AND ACTUARIAL SCIENCE

- New Programmes Started : NIL
- Value Added Programmes Started: NIL
- Training Programmes Offered: Six days Summer Training program conducted on the title “Summer Training Programme on Financial Mathematics with hands on R Programming (FMWRP)” from 6<sup>th</sup> to 11<sup>th</sup> June 2016.



- Interdisciplinary Programmes Conducted: NIL
- Conferences / FDP / Seminars / Workshops Conducted: NIL
- Conferences / FDP / Seminars / Workshops Attended:

Conferences	FDP	Seminars	Workshop	Total
03	05	02	05	15

- Papers Published/ Presented In Journals & Conferences

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

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

International Journal:

S No	Department	Authors as Appeared in the Publication	Publication Title	Journal Title	Vol. No.	Issue No.	Page No	Month & Year of Publication	Impact Factor of the Journal	Name of the Indexed Database (Ntl / Intl)	No. of Citations , If any
1	Mathematics & Actuarial Science	Sindhu J Kumar, F. Amjad Basha	A note on Contextual Insdel System with Sequential Operations	International Journal of Applied Engineering Research	11	S(1)	7-13	2016	---	Scopus	ISSN 0973-4562
2	Mathematics & Actuarial Science	F. Amjad Basha, Sindhu J Kumar	Comparitive Literature Survey of Insertion-Deletion System	Global Journal of Pure and Applied Mathematics	12	S(2)	50-59	2016	---	Scopus, MathSciNet	ISSN 0973-1768
3	Mathematics & Actuarial Science	R. Uthaya kumar, M. Rajkumar	Hidden Variable Bivariate Fractal Interpolation Surface with Function Vertical Scaling Factor	International Journal of Pure and Applied Mathematics	106	5	21-32	2016	---	Scopus	---
4	Mathematics & Actuarial Science	P.S. Sehk Uduman, Sandeep Singhal	On a class of Extended Pathway Integral Transform	Global Journal of Pure and Applied Mathematics (GJPAM)	12	S(2)	99-102	2016	---	Scopus, MathSciNet	---
5	Mathematics & Actuarial Science	M.G.Fajul Kareem, P.S.Sehek Uduman	The Numerical Solution of Lorenz-Nonlinear Tumor Model By two different Transform Methods	International Journal of Innovative Research in Technology	3	5	207-213	October 2016	2.1	Intl	nil
6	Mathematics & Actuarial Science	M.G.Fajul Kareem, P.S.Sehek Uduman	The Numerical Solution of Chua-Nonlinear Tumor Model By three different Transform Methods	International Journal of Engineering Studies	8	2	147-158	November 2016	1.5	Intl	nil
7	Mathematics & Actuarial Science	C.D. Nanda kumar S. Srinivasan R.Sathiyamoorthi	Evaluation of Reordering Time in a Manufacturing Inventory Division	International Journal of Mathematics in Operations Research	-	-	-	December 2016	0.41	Scopus (Elsevier)	nil

International Conference:

S No	Dept	Authors as Appeared in the Presentation	Presentation Title	Conference Title	Month & Year of Conference	Volume No.	Issue No.	Page Nos	Month & Year of Proceeding	Name of the Indexed Database (Ntl/Intl)	No. of Citations, if any
1	MATHS & AS	Ashiq Mohd Ilyas and S.Rajasekaran	Reserve Estimation in nonlife insurance under solvency II regime	4 <sup>th</sup> Int. Conference on business analytics and intelligence, IISC Bangalore	Dec 19-21, 2016	---	---	---	---	---	---
2	MATHS & AS	M.G.Fajul Kareem, P.S. Sehk Uduman	The Numerical Solution of Chen-Nonlinear Tumor Model By two different Transform Method	International Conference on Applicable Mathematics, StellaMaris College, Chennai	December 2016		-	-	-	-	-
3	MATHS & AS	F Amjad Basha, Sindhu J Kumar	Sequential and graph controlled insertion-deletion system	2016 IEEE international conference on computational intelligence and computing research, Agni college of technology	Dec 2016				Dec 2016	IEEE Xplore	
4	MATHS & AS	T.R. Ramesh Rao	Analytic Treatment of Non-Linear Cubic Schrodinger Equations: A Study with Homotopy Perturbation Transform Method	International Conference on Mathematical Modeling & Computational Methods in Science and Engineering (ICMMCMSE-2017), Ramanujan Centre for Higher Mathematics & Department of Mathematics, Alagappa University, Karaikudi, TN-630003	20-22 <sup>nd</sup> February 2017	---	---	---	---	---	---

5	MATHS & AS	A. Bernick Raj	Solution of Algebraic and Transcendental Equations Using Markov Chain	International Conference on Mathematical Modeling & Computational Methods in Science and Engineering (ICMMCMSE-2017), Ramanujan Centre for Higher Mathematics & Department of Mathematics, Alagappa University, Karaikudi, TN-630003	20-22 <sup>nd</sup> February 2017	---	---	---	---	---	---
6	MATHS & AS	A. Sagaya Suganya	Cover Pebbling and Its Variation for Squares of Cycles	International Conference on Recent Trends in Mathematics (ICRTM-2017), PG & Research Department of Mathematics, Loyola College, Chennai-34	7 <sup>th</sup> March 2017	---	---	---	---	---	---

- Details of Impact Factor Of The Publication H-Index

Range	Average	H-Index	No. In Scopus
0.14 – 2.1	1.03	8.12	4

- Sponsored Research (Ongoing / Applied)



S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. Sheik Uduman	DBT, NewDelhi	Mathematical Modelling of tumor growth as a hybrid dynamical system and analysis with truncation point[BT/PR21247/MED/97/341/2016]	5874000.00	Applied on 26.10.2016

Achievements of Staff:


S. No	Name of the Staff	Achievement of the Staff	Month /Year	Details
1.	Mr. M. Rajkumar	Cleared	April / 2016	SET, Tamilnadu

• Achievements of Students:

S. No	Name of the Student	Achievement of the Student	Month / Year	Details
1	Mr. P. Vignesh Research Scholar	Cleared	April / 2016	SET, Tamilnadu
2	Agnella Nemuo Mandia II M.Sc., Actuarial Science	Cleared Actuarial Common Entrance	May / 2016	Institute of Actuaries of India, Mumbai
3	Apurva S II M.Sc., Actuarial Science	Cleared CT3: Probability and Mathematical Statistics	April / 2016	Institute and Faculty of Actuaries, UK

S. No	Name of the Activity	Participants	Month /Year	Details
1	Origin 2017 	B.Tech Students of our University	March / 2017	Motivating students to improve their knowledge in Mathematics and its applications in various fields of Engineering through sessions on paper presentation, quiz and puzzles.
2	Infinity 2017 	B.Tech & B.Sc., Students of various institutions and Universities	March / 2017	Motivating students to improve their knowledge in Mathematics and its applications in various fields of Engineering through sessions on paper presentation, quiz and puzzles

• Important Visitors:

Name of the Visitor	Designation	Details
Prof. Patrick Fitzpatrick 	Professor University College Cork, Ireland	Prof Patrick delivered a lecture to the students and faculty. He also invited students, researchers and faculty to UCC on students and faculty exchange initiatives and for higher studies .

NIL



## **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

## 1. Training Programmes offered

NIL

## 2. Inter disciplinary programmes conducted

NIL

## 3. Conferences/FDP/Seminars/Workshops organised

- Dr.K.N.Srinivas, Prof & HOD/EEE, V.Selvi organised a two days National workshop on “Automation of Electrical Machines using Labview” during 1<sup>st</sup> and 2<sup>nd</sup> April 2016.
- Dr.K.N.Srinivas, Prof & HOD/EEE and Mr.A.Sultan Saleem Assoc., Prof/EEE Coordinated Industry Institute Partnership meet on 22.10.16
- Dr.K.N.Srinivas, Prof & HOD/EEE is a active member for IEEE transactions on Magnetics.
- Dr.K.N.Srinivas, Prof & HOD/EEE made a presentation on strategy and planning of the department in next two years to VC and Registrar.
- Dr.K.N.Srinivas, Prof & HOD/EEE is a pre-synopsis review committee member for Ph.D at BSAU.
- Mr.A.Sultan Saleem Assoc., Prof/EEE, Coordinated a "One day shop " conducted by the Entrepreneurship Development Cell(exclusively for ladies) on 2.3.2017.
- Dr.K.Boopathy, Assoc. Prof/EEE, organized One day seminar on “stress management on student development –Handling messy situation with confidence” by Dr.Nalini Chandrasekaran on 30/8/2016.



- Dr.K.Boopathy, Assoc. Prof/EEE and Belwin .Brearley, AP(SG)/EEE, organized one day workshop on placement awareness program for final year students on 29.04.2016 by Alumni of BSAU .
- Dr.K.Boopathy, Assoc. Prof/EEE as Youth Red Cross society (YRC) co-ordinator has organized a program " Collection of blood donor list for Govt. app" on 14.02.2017 with the help of District Aids preventive and control unit - Guduvancherry (Government Organization).



- Dr.K.Boopathy organised workshop on "GATE Awareness Program" on 15.03.2017 by Mr.G. Naveen Kumar, Dy Director, Vani Institute, Chennai.
- Jennathu Beevi, AP (SG)/EEE, arranged a Guest lecture on " Fabrication of special PCBs and Innovation" by Nr. Tameem Saied, Director, Fortran Cirkit Electronics Pvt. Ltd, Perungudi, Chennai, on 3.10.2016 at EEE department, BSAU.



- Jennathu Beevi, AP (SG)/EEE, arranged a Guest lecture on "Electric Power Distribution in Industry" by Mr. Janarthanan, Principal Engineer, Petrofac , Chennai on 19.2.2016 at EEE department , BSAU.



- C.Athbel Joe, AP/EEE, Dr.R.Jayashree, Prof/EEE organised a One Day workshop on "Sceintific Documentation and Presentation using LaTeX and Beamer" on 17th June 2016 at Department of EEE, BSAU.
- C.Athbel Joe, AP/EEE arranged a guest lecture on 'Innovation & Entrepreneurship' by Dr. G. Gangi Reddy, MD, TBI, on 19<sup>th</sup> March 2016.
- Dr.K.N.Srinivas HOD/EEE, V.Bharanigha AP/EEE, Ramkumar, AP/EEE, Bewin J.Brearley, AP/EEE organised a two days workshop on "Embedded system using Arduino" on 3<sup>rd</sup> and 4<sup>th</sup> April 2017.

#### **4. Conferences/FDP/Seminars/Workshops attended**

- Dr.K.N.Srinivas, HOD/EEE, Dr.R.Jayashree, Prof/EEE, Belwin J.Brearley, AP/EEE, Divya Vijay, AP/EEE attended a one day workshop on Commercialization of Intelluctual Property and quality assurance in Higher Education" B.S.A.Crescent University, Chennai on 9.2.2017.
- Mr.Sultan Saleem, Assoc. Prof/EEE attended two day workshop on "Research Methodology and Quality Assurance " conducted by B.S.Abdur Rahman University on Dec 2 - 3, 2016.
- Belwin J.Brearley, AP (SG)/EEE attended a one week workshop on Protection monitoring in smart grid/microgrid environment", IIT Roorkee during 27<sup>th</sup> June to 1<sup>st</sup> July 2016.
- Jennathu Beevi, AP (SG)/EEE, Belwin J.Brearley, AP (SG)/EEE, G.Kavitha, AP/EEE, Ramkumar, AP/EEE, Suresh, AP/EEE, Selvi, AP/EEE, Sarmila, AP/EEE attended a One Day workshop on "Sceintific Documentation and Presentation using LaTeX and Beamer" conducted by Mr. Athbel Joe, AP/EEE on 17th June 2016 at Department of EEE, BSAU.
- Divya Vijay, AP/EEE attended a workshop on "Machines using Labview" in B.S.Abdur Rahman Crescent University during 1<sup>st</sup> and 2<sup>nd</sup> April 2016



- Divya Vijay, AP/EEE attended “NASSCOM Innovation” in Ramanujam IT Park on 11<sup>th</sup> June 2016.
- Sarmila Har Baegum, AP/EEE , Belwin J.Brearley, Divya Vijay, G.Kavitha, Jennathu Beevi, attended two days workshop on ‘Research Methodology & Quality Assurance ‘ organized by BSAU on 2<sup>nd</sup> & 3<sup>rd</sup>December 2016.
- Sarmila Har Baegum, AP/EEE, is the Advisory Committee member for two day workshop on Solar Power Energy conducted by Adarsh College of Engineering on 17<sup>th</sup> and 18<sup>th</sup>March 2016.
- Sarmila Har Baegum, AP/EEE, attended One day Workshop on Automation of Electrical Machines organized by National Instruments at BSAU on 1 & 2<sup>nd</sup> April 2016.
- C.Athbel Joe, AP/EEE , S.Suresh, AP/EEE attended a two day workshop on 'Demand Side Management' at IIT Bombay on 7th and 8th July 2016.

#### **5. Major equipment purchased**

- V.Bharanigha purchased two conveyor system in PLC lab for Rs. 30,000 which is used for doing various projects in the area of industrial automation.
- Mr.Ramkumar, AP/EEE purchased Dspace software in Power Electronics lab for Rs. 5,85,000 which is used for real time implementation.

#### **6. Books published**

NIL

#### **7. Faculty Internship**

NIL

#### **8.Achievement of Staff**

- IEEE student branch was selected as second highest best student branch in the year 2016-17 for securing highest IEEE student membership. Dr.R.Jayashree , IEEE student branch coucellor received a cash award of Rs 3000/- , a certificate and a memento from IEEE Madras section on behalf of B.S.Abdur Rahman Crescent University

#### **9. Achievement of student**

- Shaik Abdul Ayaz of final year EEE conducted Student awareness program for 10th class govt school students through Director of professional services 2015-2016, Rotaract club of BSAU
- Shaik Abdul Ayaz of final year EEE participated in Cleanliness awareness for villagers through Director of professional services 2015-2016, Rotaract club of BSAU

- Shaik Abdul Ayaz of final year EEE participated in Flood relief at floods happened at Chennai
- Shaik Abdul Ayaz of final year EEE participated in Cancer awareness program for Women through Director of professional services 2015-2016, Rotaract club of BSAU
- B.L.Akshaya, Sapna srinivasan, Yegneshwaran took part in ICTACT digital youth summit 2016 organized by ICTACT on 30<sup>th</sup> Jan 2016, at B.S. Abdur Rahman University
- B.L.Akshaya, Mohammed Shahid. V, Monica. V, Mohammed Sameer. S, Abu Mohammed Abbas. A, Hameed Asif Zaman. Z, Joseph Richard Wilson, Mohamed Asraf. M, Sapna Srinivasan, Missri Mohamed Saqib attended the Workshop-Industrial automation in PLC/SCADA, at B.S.Abdur Rahman University 21<sup>st</sup> Jan 2016.
- Ayushi. K, Hamad arshan. C, Joseph Richard Wilson, SHAHANA. R.M, MISSRI MOHAMED SAQIB, SHAIK ABDUL AYZAZ attended the Workshop-Diaster management using drone technology at Chennai Egmore BY "TOP ENGINEERS", Feb 2016
- Shaik Abdul Ayaz Co-ordination of speech by APJ.Abdul Kalams Assistants Ayushi. K, Shaik Abdul Ayaz Rotary International Youth Leadership wards in Delhi Organised by RC of Jindal University,Haryana., March 2016
- Hamad arshan. C, Shaik Abdul Ayaz Chopras Electronic Car Competition -2<sup>nd</sup> place with cash prize worth of 30,000 May 2016 at Hayat Regency in Chennai.
- Shahana. R.M, Shaik Abdul ayaz won 3<sup>rd</sup> place at Xamplar 2k16 National level technical symposium by Vellamal Institute Of Technology,July 2016
- Missri mohamed saqib, Shaik Abdul Ayaz participated in Paper presentation on low cost vehicle theft detection in Sparx 2017(National level technical symposium) at adhi parasakthi engineering college on 23.02.2017.
- Missri mohamed saqib, Shaik Abdul Ayaz participated in Techno quiz in Sparx 2017(National level technical symposium) at adhi parasakthi engineering college on 23.02.2017.
- Missri mohamed saqib, Shaik Abdul Ayaz participated in Circuit Debugging in Sparx 2017(National level technical symposium) at adhi parasakthi engineering college on 23.02.2017.
- Abisheg.S of third year EEE was one of the member of university cricket team, which was the runner all university cricket tournament held in Dr. M.G.R. Trophy held during February 2017

- Abisheg.S of third year EEE was one of the member of university cricket team, which won champion in all university cricket tournament held in Dhanalakshmi college during March 2016
- Emam samsudeen . H of third year EEE won gold medal in district & divisional level for the event boxing and also participated in the state level boxing tournament.
- Emam samsudeen . H of third year EEE won silver medal for the event shotput in annual sports day of BSAU during April 2016.
- Emam samsudeen . H of third year EEE won silver medal for the event discus throw in annual sports day of BSAU April 2016.
- Emam samsudeen . H of third year EEE won silver medal for the event Javelin throw in annual sports day of BSAU April 2016.
- Emam samsudeen . H of third year EEE won Gold medal for the event 4x400m relay in annual sports day of BSAU April 2016.
- Emam samsudeen . H of third year EEE won Bronze medal for the event 4x100m relay in annual sports day of BSAU April 2016.
- Emam samsudeen . H of third year EEE won Bronze medal for the event 400m dash in annual sports day of BSAU April 2016.
- Arun Kumar. K of third year EEE won third place in founders trophy – state level ball badminton tournament during April 2016.
- Arun Kumar. K of third year EEE won third place in Jets trophy – state level ball badminton tournament during April 2016.
- Arun Kumar. K of third year EEE won second place in founders trophy – state level ball badminton tournament during March 2017.
- Arun Kumar. K of third year EEE won fourth place in vallam tournament – District level ball badminton tournament during March 2016. He also received best player award for the same.
- Arun Kumar. K of third year EEE won third place in kancheepuram tournament – District level ball badminton tournament during March 2017.
- Arun Kumar. K of third year EEE won third place in Crystal tournament – District level ball badminton tournament during March 2017. He also received best player award.
- Ahmad Rizwan of second year EEE Won 1<sup>st</sup> prize in Orator in All India Islamic Cultural Event in october 2016 organised by BSAU.
- Ahmad Rizwan of second year EEE Won 1<sup>st</sup> prize in photography in SEEE in november 2016 organised by department of EEE of B.S.Abdur Rahman crescent university.

- Ahmad Rizwan of second year EEE Won 2<sup>nd</sup> prize in speech completion - in All India Islamic Cultural Event AICE – in October 2016.
- Ashfaaq Ali Ahamed of second year EEE is a board member in crescent soft skill development club.
- Fahad Ayub P.M of second year EEE Won 1st prize in Islamic speech competition in All India Islamic Cultural Event- in October 2016.
- Fayas Ahamed N K of second year EEE Won First prize in carom -sports day-2016
- Madhumitha S of second year EEE Won 1st prize in essay writing competition held at All India Islamic Cultural Event AICE event - in OCTOBER 2016
- MD Ashfaq ur Rehman of second year EEE Won 2nd prize in All India Islamic Cultural Event AICE - in October 2016
- Safrin S of second year EEE Won 1st prize in Renaissance in OCT 2k16- -drawing competition held at BSAU
- Sangameshwar Charan of second year EEE Won 1st prize in Power lifting competition (silver medal)-inter gym during March 2016-BSAU
- Shajahan M of second year EEE Won 1st prize in quize,connections held at Symposium SEEE in November 2016.
- SRIRAM S of second year EEE Won 3rd position in 400m relay –Sports Day- in March 2016.
- Wahith A of second year EEE Won 1st prize in adzap held at literary day during October 2016 in BSAU.
- Mustaq Ahmed A of second year EEE Won 1st prize “block&tackle” held at literary day -BSAU- in October 2016

#### **10. Industry/Institute collaboration**

- Dr.K.N.Srinivas, Prof & HOD/EEE and Mr.A.Sultan Saleem Assoc., Prof/EEE Coordinated Industry Institute Partnership meet on 22.10.16.
- The M.tech students undergone industrial internship in Pantech Prolog Ltd, Chennai.
- The B.Tech EEE students undergone industrial internship in various industries such as Andrew Yule Ltd-Perungudi, TNPL, Bhel, Airport Authority of India etc., for their sixth semester internship course.

#### **11- Society Activities –**

- The society of Electrical and Electronic Engineers is inaugurated on 28<sup>th</sup> September 2016. The Vice Chancellor, V.M.Periasamy presided over the function. Mr.Balavigneshwaran , Deputy Manager, Ford Motor Private Ltd., Chennai delivered a keynote lecture on Hybrid Electric vehicle. Various technical events such as

Connections, Quiz, Line Follower Robot etc were organised for the EEE students of BSAU and prizes were distributed for the same.

- The national level technical festival Crestech 2017 was organised on 24<sup>th</sup> and 25<sup>th</sup> of March 2017. Technical events such as Arduino challenge, NotKnot7 were conducted, in which more than 270 participants from various colleges participated and won prizes.

## 12. Paper published in Journal/conferences

### INTERNATIONAL JOURNAL

- 1) B.Vidhya, and **Dr K.N.Srinivas**, "Flow Thermal and Vibration analyses using three dimensional Finite Element Analysis for Flux reversal Generator,"Frontier in Energy-Springer, Vol : 10, Issue No: 4 ,pp 424-444, Dec 2016, **Journal Impact Factor:1.3**.
- 2) T.D.Sudhakar. M.Raja Rajan, **K.N.Srinivas, R.Raja Prabu**, T.V.Narmadha and M.Mohana Krishnan, "Modeling and Simulation of Distribution Network with the Integration of Distribution Generator using MatLab," Indian Journal of science and Technology,Vol :9,Issue:12, March 2016.
- 3) **Belwin J.Brearely, R.Raja Prabu**, "A Review on Issues and approaches for microgrid protection,"Renewable and Sustainable Energy Reviews,Vol:67, pp 988-997, Sep 2016. **Impact Factor: 3.5**
- 4) **SadasivamPachamuthu**,Vishveswaran Jothi, **R.Raja Prabu**, Kavitha,Raji Sundaratajan,"Influence of Electrodes on Electric Field Distribution for Effective Electrochemotherapy,"Journal of Cancer Prevention &current Research, Vol: 4 Issue : 1 ,pp 1-8 ,Jan 2016
- 5) **K. Sarmila Har Beagam, R. Jayashree, M. Abdullah Khan**, ' A New DC Power Flow Model for Q Flow Analysis for use in Reactive Power Market', Engineering Science and Technology, an International Journal(Elsevier) **Accepted for publication**.
- 6) Divya Vijay, Dr.U.Sabur Banu, Dr.K.Boopathy,Multi-Objective Algorithm based Sliding Mode Control for Assured Crew Re-Entry Vehicle, (Springer) **Accepted for publication**.
- 7) Mohammed Nizar, Sarmila Har Beagum .K, Jayashree.R, "Comparision of PI controllers and Fuzzy Logic Controller using Unified Power quality conditioner",International Research Journal of Engineering and Technology, Vol:3,Issue:6, June 2016, pp 673-681.
- 8) **S.Jennathu Beevi, R.Jayashree** ,S.Shameer Kasim,"ANN Control for Load frequency Control,"International Journal for Research in applied Science and Engineering Technology, Vol:4, Issue:1, pp 67-71, jan 2016.

- 9) Khader shareef Shaif. And **Mr. Mohamed Shuaib, Mrs. Jeenathu Beevi** ,  
“Automatic Generation control integrated with renewable Energy using Particle  
swarm optimization and differential evolutionary algorithm;” **International research  
journal of Engineering and Technology**, VOL No:3, Issue No:5, pp 1677-1684,  
May 2016.

#### **INTERNATIONAL CONFERENCE**

- 1) Abdul Baseeth. A and **Dr. A. Sultan Saleem** ,” Fault Identification and Classification of Smart power Grids using Synchronus Phasor Angle Measurements,” International Conference On Power, Control And Instrumentation Engineering P.No 123-133, 30.4.2016.
- 2) Imthiyaz Ahamed. M and **Suresh.S, Divya Vijay** Modeling and Control of Renewable Hybrid Energy system,” International Conference On Power, Control And Instrumentation Engineering, P.No 165-172, 30.4.2016.
- 3) Kothai.M, and **R. Jayashree, S. Jennathu Beevi**,”Tuning of IMC based PID Load Frequency Controller for power system,” International Conference On Power, Control And Instrumentation Engineering, P.No 183-193, 30.4.2016.
- 4) Mahapara Gayasuddin and **Mr. Suresh. S**,” Multilevel Inverter Topology with Reduced number of switches,” International Conference On Power, Control And Instrumentation Engineering, P.No 16-19, 30.4.2016.
- 5) Mohamed Anus. A and **.A.Sultan Saleem, Nisha.K**,” Balancing energy in the Smart Grid using PNP Algorithm,” International Conference On Power, Control And Instrumentation Engineering, P.No 137-145, 30.4.2016.
- 6) Imdad. S. K and **Ramkumar.M**.” Power Electronics converter with Marx Generator configuration based PEF for liquid food sterilization,” International Conference On Power, Control And Instrumentation Engineering, P.No 20-23, 30.4.2016.
- 7) Prem Kumar. G and A. **Sultan Saleem, Kalirathnam** ” Environmental dispatch of Smart Microgrid system including Distributed Generation using Cuckoo search Algorithm,” International Conference On Power, Control And Instrumentation Engineering, P.No 227-235, 30.4.2016.
- 8) R.Balamukesh and **Dr.K..N.Srinivas**,” Modeling and Analysis of Cost Effective Flux Reversal DC Motor for Hybrid Electric Vehicles and Mass Transit Systems ,” International Conference On Power, Control And Instrumentation Engineering, P.No 150-156, 30.4.2016.
- 9) C.Hemalatha and **Mrs. K.Sarmila Har Beagam**,” Capacitive Wireless Power Transfer,” International Conference On Power, Control And Instrumentation Engineering, P.No 157-164, 30.4.2016.

- 10) Madumathi n and **Mrs. Belwin,J.Breareley.**” Digital Over Current Relay for Micro Grid,” International Conference On Power, Control And Instrumentation Engineering, P.No 194-201, 30.4.2016.
- 11) E.Naveen Kumar and **Mrs. G. Kavitha, Mr. M. Ram Kumar,**” Quasi-Impedance Source AC-AC Converter for Voltage Optimizations,” International Conference On Power, Control And Instrumentation Engineering, P.No 201-210, 30.4.2016.
- 12) S.Peer Mohammed and **Mrs. R. Agatha,**” Vector Control of Three Phase SVPWM PV Inverter,” International Conference On Power, Control And Instrumentation Engineering, P.No 219-226, 30.4.2016.
- 13) C.Zeeshan Khan and **M.Ram Kumar,**” Thyristorized Based Static Transfer Switch,” International Conference On Power, Control And Instrumentation Engineering, P.No 244-252, 30.4.2016.
- 14) S.Varun Saagar and **Dr.K.Boopathy** Speed Control of Universal Motor Using Digital Signal Processors,” International Conference On Power, Control And Instrumentation Engineering, P.No 253-258, 30.4.2016.
- 15) Ananthi C and **Ms.Bharanigha.K,**” A Single Stage Boost Inverter for Renewable Energy,” International Conference On Power, Control And Instrumentation Engineering, P.No 134-136, 30.4.2016.
- 16) **Divya Vijay, Dr. U. Sabur Banu, Dr. K. Boopathy,**” Multi-objective Genetic Algorithm based Sliding Mode Control for Assured Crew Re-Entry Vehicle,” Joint International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2016) & Power, Circuit and Information Technologies (ICPCIT-2016), may 2016.
- 17) **Divya Vijay, Dr. U. Sabur Banu** PID controller tuned using Simulated Annealing for Assured Crew Re-Entry Vehicle with PWPF Thruster Firing,” 2016 International Conference on Innovations in information Embedded and Communication Systems (ICIIECS'16, Vol III, P.No: 596, March 2016.



### **13.Details of impact factor of publication H index**

10 for the last 3 years

### **14. Sponsored Research Ongoing**

- Dr.K.N.Srinivas, Prof & HOD/EEE, Mr. S. Shanmugam (PI), Dr. Sabura Banu, Prof & Head/EIE, Dr.Kathires, HOD/Aero has submitted and attended first interview for a 90 lakh funded project at NIWE.
- Dr.K.N.Srinivas, Prof & HOD/EEE, Dr.R.Jayashree, Prof/EEE, Mr.M.Ramkumar submitted a funded project on “ Quasi Z source bidirectional DC-Dc converter with energy storage device for solar powered electric vehicles” to CPRI Bangalore.



**DEPARTMENT OF  
ELECTRONICS & COMMUNICATION  
ENGINEERING**

## **ELECTRONICS & COMMUNICATION ENGINEERING**

- New Programmes Started : NIL
- Value Added Programmes Started :
  - A long term (6 Semester) course namely NI LabView Competence Development Programme (CDP) to get proficiency with the new techniques developed by National Instruments for 30 ECE students and faculty members every year.
- Training Programmes Offered : CLAD Certification training is offered to ECE students from 4.4.17 to 8.4.17
- Interdisciplinary Programmes Conducted : NIL
- Conferences / FDP / Seminars / Workshops Conducted:

S.No	Title of the Program	Type of Program	Date	Major Resource Persons	Sponsoring Agency
1	NCRVIC 2016	National Conference	11.08.16 & 12.08.16	Mr. H. R. Mohan, Vice chairman, IEEE (Madras Section) Mr. Shanmugha Hari, Project lead Caterpillar India Pvt Ltd Chennai	IEEE, IE(I), IETE
2	Two day workshop on Basic of Computer hardware and software trouble shooting	Workshop	28.07.16 to 29.07.16	Mr. M. Yasin, Tech Mr. B. Praveen, Tech Mr. B. Saravanan, Tech Mr. S. Sathish Prabh, AP[SG], ECE	Student Chapter of IE[I]
3	Three day FDP on innovative teaching practices	FDP	25.07.16 to 27.07.16	Mr. Sathish Prabh AP[SG], ECE, Mr. Ramesh Kumar, AP, ECE Mr. Inniyavan, AP [SG], ECE Mr. Hasan Babu, AP [SG], ECE	Student Chapter of IE[I]
4	Five days Short term Summer Internship on "Embedded Processor/PCB layout"	Short term Summer Internship	18.07.2016 to 22.07.2016.	Ms. R. Anitha, AP/ECE Ms. Anusooya, AP/ECE MS. A. Priya, AP/ECE Mr. M. Selvakumar, AP/ECE	SECE, IE, IETE
5.	Two day workshop on "Antenna Fabrication, PCB	Workshop	18.07.16 & 19.07.16	Mr. Kamlesh Kumar, Application Engineer, Entuple Technologies,	SECE, Entuple technologies

	Design and Fabrication”			Bangalore	
6.	Two day workshop on “Embedded System Development using ARM and Xilinx Boards”	Workshop	09.06.16 & 10.06.16	Mr.Prakash, Senior Technical engineer, Bangalore	SECE,IE IETE
7	Three days Hands on training on LABVIEW	Workshop	23.02.17 to 25.02.17	Ms.S.Anusooya AP/ECE Ms.S.Kalaivani, AP(SG)/ECE Ms. R.Anitha, AP/ECE	IE(I),IETE, SECE
8	Three days workshop on Antenna Design Using HFSS	Workshop	16.03.17 to 18.03.17	Mr. H.HasanBabu, AP(SG)/ECE Ms.A.Ambika, AP(SG)/ECE Ms.B.Sivashanmugavalli, AP/ECE Mr. A. Ramesh Kumar, AP/ECE	IE(I),IETE, SECE
9	Two days workshop on PCB Layout & Board design	Workshop	03.03.17 & 04.03.17	Mr.R.Iniyavan, AP(SG)/ECE Mr.M.Selvakumar, AP/ECE Ms.A.Priya, AP/ECE	SECE
10	Two days workshop on “Application Design using Arduino Board”	Workshop	23.02.17 & 24.02.17	Dr.G.Kannan, Asso.Prof/ECE Ms.K.IndraGandhi, AP(SG)/ECE	SECE

- Conferences / FDP / Seminars / Workshops Attended:

- (i) Dr.Vijayalakshmi, Ms.Padmausha, Ms.Anuradha, Ms.Vanmathi, Ms.Anusooya, Ms.Anitha, Ms.V.Jean Shilpa, Ms.Parnasree Chakaraborthy, Ms.S.Kalaivani, Ms.Divya, Ms.Kavitha and Ms.Syed Rafiammal attended seminar on “Capacity of Women in Higher Education” on 1st April 2017 Organized by Women Empowerment Cell at BSA Crescent University.
- (ii) Ms.Anusooya, Ms.V.Jean Shilpa, Ms.Anitha and Ms.S.Kalaivani attended a one day workshop on: Big Data Analytics and Python Programming organized department of ECE on 18th March at BSA Crescent University.
- (iii) Ms.Anusooya, Ms.V.Jean Shilpa, Ms.Anitha and Ms.S.Kalaivani attended a semiar by Rexona Confidence Academy on 1st Feb 2017 at BSA Crescent University.
- (iv) Ms.V.Kavitha attended a two days workshop on “Research Methodology and Quality Assurance organized by BSAU during 2nd and 3rd of December 2016.
- (v) Ms.Anitha attended the NPTEL workshop conducted at CLT auditorium by IIT Madras on 17December 2016.

- (vi) Ms.R.Anitha, Ms.S.Anusooya attended 3 days FDP on “Networking simulation & Related Technologies using NETSIM software with Dellsoft Technologies during 3rd October to 5th October 2016.
- (vii) Ms.R.Anitha,Ms.Anusooya attended 3 days FDP on power system Design & Analysis using DigSILENT Power Factory during 28th to 30 September 2016.
- (viii) A.Sumathi, Ms.Anuradha, Ms.Sivashunmughavalli, Ms.Maya, Ms.Priya, Ms.Indira Gandhi, Ms.V.Kavitha and Ms.V.Jeanshilpa attended a 3 days faculty development program on “Innovative Teaching Practices” Organized by dept. of ECE at BSAU from 25th July to 27th July 2016.
- (ix) Ms.M.Vanmathi has participated in AICTE sponsored STP on “Micro Electronics: from Fundamentals to Devices” organized by dept of Electrical Engineering, IT Madras from 11th July to 16th July 2016.
- (x) Ms.Anusooya, Ms.V.Jeanshilpa and Ms.R.Anitha attended one day FDP on “Circuit simulation/PCB Design using Target 3001” in Dell soft Technologies on 13th Jul 2016.
- (xi) Ms.Anusooya has participated in one day workshop on “NPTEL Workshop for SPOCs” conducted b IIT Madras on 2nd July 2016.

- Papers Published/ Presented In Journals & Conferences:  
(Total Numbers Only)

National Conference	International Conference	National Journal	International Journal	Total
-	6	-	5	11

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

**International Journal: 5**

1. Subhashree V K and ThariniC,”Real-time implementation of Locality Sensitive Hashing using NI WSN and LabVIEW for outlier detection in wireless sensor networks”,Journal of wireless mobile networks, ubiquitous computing and dependable applications, Volume No.7, Issue No.3, Page Nos. 22-39, September 2016.
2. R.Muthu Krishnan, G.Kannan,”Polygon Shaped 3g Mobile Band Antennas For High Tech Military Uniforms”, Advanced Electromagnetics, Volume No.5, Issue No.3,November 2016.

3. Subhashree V K and Tharini C, "An Energy Efficient Routing and Fault Tolerant Data Aggregation (EERFTDA) for Wireless Sensor Networks", Journal of High Speed Networks, Netherlands, January 2017.
4. Parnasree Chakraborty and C. Tharini," Performance Analysis of Threshold Based Compressive Sensing Algorithm in Wireless Sensor Network", American Journal of Applied Sciences, February, 2017.
5. R.Manikandan, P.K.Jawahar," Cross Pol Reduction of Circulaly Polarized Microstrip Antenna With SRR", International journal of control theory And Application, March 2017.

**National Journal:** ----

**International Conference:** 4

1. K.Sindhubala and B.Vijayalakshmi,"Temperature data transfer using visible light communication", IC3T(3rd International conference on computer and communication Technologies) publication partner springer, Nov 5-6, 2016.
2. R.Manikandan, P.K.Jawahar," Cross Pol Reduction of Circulaly Polarized Microstrip Antenna With SRR", International Conference on Intelligent Computing And Application, 21.12.16.
3. Vanmathi, Mohammed Ismail, Synthesis, Characterization and Electrical properties of TiO<sub>2</sub> and Al doped TiO<sub>2</sub> thin films deposited by thermal evaporation, Proceedings of the International Conference on Sustainable Energy Technologies for Smart and Clean Cities (SETS & CC-2016), Pp. 182, July 27th - 29th , Tirupati, India .
4. M. Vanmathi, Mohammed Ismail, M. Senthil Kumar, M. Venkateswarlu, V. Elango, Effect of the Sol gel coating on Microstructural, Optical and Electrical properties of Al doped ZnO thin films, Proceedings of the International Conference on Sustainable Energy Technologies for Smart and Clean Cities (SETS & CC-2016), Pp. 121, July 27th -29th , Tirupati, India .
5. R.Muthu Krishnan, G.Kannan,"A Compact Simple Patch Antenna for ISM Band 2.4GHz", International Conference on emerging Trends in Electrical, Electronics and Communication Systems (ICEECS'16), 24-26 September 2016.
6. B.Sivashanmugavalli, Dr.B.Vijayalakshmi, "Performance Measures of Vivaldi Antenna with Parasitic Elements", IEEE International Conference on Wireless Communications, Signal Processing and Networking 2017, 23-25 March 2017.

**National Conference:** ---

- Details of Impact Factor Of The Publication H-Index  
A) Range B) Average C) H-Index D) No. In Scopus

A)Impact factor range	0.0147-1.686
B)Average	2.9
C) H-Index	26
D) No. In Scopus	5

- Sponsored Research (Ongoing / Applied)

S.No	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr.C.Tharini Ms.C.Parnasree	Inter disciplinary Cyber Physical Systems	Compressive sensing based cyber physical infrastructure for storage of ancient manuscripts	14.29 Lakhs	Applied
2.	Ms. A.Sumathi Dr.S.Kaja Mohideen	Ministry of Communications & IT (MOCIT) – Dept of Electronics & IT (DeitY)	Secured High Data rate Transmission through Downlink wide band channels using chaos based MCCDMA Communication and Performance Enhancement	Rs.36.3 Lakhs	Applied
3.	Ms. M. Vanmathi Dr.M.Mohamed Ismail Dr.B. Vijayalakshmi	DST	Fabrication and Characterization of high-K (HfO <sub>2</sub> ) based MOS Energy storage device	Rs. 11,15,000 (Rupees Eleven Lakhs and Fifteen thousand only)	Applied

- Special Research Laboratories Created : NIL



- Major Equipment Purchased :

NI software defined radio USRP-2920 is a tunable RF transceiver with a high-speed analog-to-digital converter and digital-to-analog converter for streaming baseband I and Q signals to a host PC over 1/10 Gigabit Ethernet.

- Book Published :NIL

- Patents (Obtained / Applied):

(i) Title: IOT based GPS controlled autonomous tractor

Inventor: S.Sadhish Prabhu , Munawir C.M, Imadudden V.N, P.Sanjana. Irfanudeen, Nijas Ahamed

IPR Filed on: 31.10.2016.

(ii) Title: STRABARI – A Root Canal device

Inventor: Dr. Abdul Bari.R.C, V.N.Imaduddeen

IPR Filed on: 21.09.2015, Publication Date: 11.11.2016, Journal No: 47/2016.

- International Visits By Faculty / Students - NIL

- Faculty Internships:

(i) Dr.Kannan, Assoc. Professor, and Ms.Indra Gandhi, Asst. Professor (Sr.Gr) visited Denvick Technologies Pvt. Ltd. Chennai for interaction for developing the embedded lab in the department.

(ii) Ms. Mahalakshmi, Asst. Professor, has undergone one week internship training on “Physical Layer Implementation in RF Communication” from 22.08.16 to 27.08.16 in Optithought, Chennai.

(iii) Ms. Jean Shilpa, Asst. Professor and Ms. Anusooya, Asst. Professor, has undergone one week internship training on “Automation testing” in Qmax, Chennai, during July 2016.

- Achievements of Staff:

(i) Ms. Parnasree Chakraborty, Ms. A.Ambika, Ms.S.Kalaivani, Ms. S.Anusooya, Ms, R.Anitha and Ms. S.Syed Rafiammal have successfully completed NI CLAD certification on 14<sup>th</sup> October 2016.

(ii) R.Anitha, S.Anusooya, P.Maya and Parnasree Chakraborty have successfully completed NPTEL courses on September 2016.

- Achievements of Students:

IV Year ECE A & B:

- K.Gowtham and Imaduddeen won a prize at ISRO for presentation on Reusable Rocket in Worlds space research Day.
- The presentation on GPS controlled Autonomous Tractor using IOT by Imaduddeen, Irfanuddin and Munawwir in the event IOT Challenges was shortlisted to semi finals by NASSCOM, Chennai.
- A.Vetrivel, Winner in Innovation, Creativity & Leadership (ICL) Project competition organized by Microsoft research community.
- M.Rahul & team, Winners in national Robotics championship by ARK techno Solutions and Robokart.com.
- Sakthi Gnananvel has won 1<sup>st</sup> place in National ball badminton held at Kaital, Haryana and also star performer award in the same series. He is representing Kancheepuram Districts in CM trophy for 3 years continuously and got 2nd and 4th place in last years. Got 4th place in All India Inter university series held at SRM University.

### III Year ECE A & B:

- Fayiza Fareen.A has won second place in the event boss of circuits conducted by Dr.A.P.J.Abdul Kalam innovation center in our university.
- Shyamala Sarathy has completed NPTEL online course successfully in the course of basic circuits.
- Mariyam Hibah. M.M, has won first place in the event boss of circuits conducted by Dr.A.P.J.Abdul Kalam innovation center in our University.
- S.Anitha Shree has won third place in the event boss of circuits conducted by Dr. A.P.J.Abdul Kalam innovation center in our University.
- A.Abinesh has participated in inter-college symposium at Dannish Ahmed Engg. College in the event of Adds Mash and won first place along with cash prize with his team. He has participated in project faire organised by hobby electronics club of our department and won prize along with his team.
- A.S.Anish Mohammed has won in inter-college symposium at Dannish Ahmed Engg. College in the event of Adds Mash (second place),Dumb -C (second place)and Minute to win(first place) along with cash prize with his team. He has participated in Project Faire organized by hobby electronics club of our department and won prize along with his team for the project Advanced Security System.
- A.Lakshmi & Mahmood.S.H have participated in project faire organized by hobby electronics club of our department and won prize for the project Home Automation.

- A.M.Azarudeen has participated in project faire organized by hobby electronics club of our department and won prize along with his team. His project is based on advanced security system.
- P.U.Gokul Khanna has participated in IETE south zone tech fest 2k17 organized by IETE Erode center and won first prize for his project name radio frequency- garage gate controller. He has completed NPTEL online course successfully and certified with elite in the course of IMAD.
- R.Karthikeyan has participated and won in inter-college symposium at Dannish Ahmed Engg. College in the event of Adds Mash (second place) and Dumb -C (second place) along with cash prize with his team.
- S.Mohamed Faraj has participated and won in inter-college symposium (dannish ahmed) in the Suprize Event (first place) and Minute To Win (second place) along with cash prize.
- B.Mohamed Ghouse Javed and his team have participated in inter-college symposium at Dannish Ahmed Engg. College in the event of Adds Mash and won first place with cash prize.
- M.Mohamed Hishaam has participated in project faire organized by hobby electronics club of our department and won prize along with his team.
- H.Mohamed Ishackdeen and his team have participated and won Second Place with cash prize in Inter-College Symposium at Dannish Ahmed Engg. College in the events Adds Mash and Dumbc.
- Mohamed Wassim & Monika have won first place in Just a Minute event of ECE got talent held at BSAU.
- Mohamed Usman has won first place in connections at ECE department symposium held at Hindustan University.
- Moshin has won first place in connections at ECE department symposium held at Hindustan University.
- Noor Sulthana has won second place in creativity writing in Islamic event held at BSAU.

#### II YEAR ECE A & B:

- Abdullah.A.K and Abishek.V have won a special prize in the Concept Design Competition on “Debris reuse” conducted by ISRO.
- K.Sharanya has won a special prize from ISRO for the Elocution competition on “Furistic thoughts in Space technology”

- Abishek.V, Arvind.B, Kiren Balaji.N have won third prize in the south zone level competition for the project titled “Farmer’s Aid ” organized by Tumkur University.
- Kiren Balaji. N and Avilala Karthik has won second place in the photography competition during the literary day event.
- Jaffar Ali Jeddy has got distinction in the BEC exams conducted by Cambridge University.
- K.Sharanya,Gamini Geetha,Panimozhi and Naveenya have won third prize in the National Level Robotic Championship Competition conducted by National Instruments.
- Khaleelullah has cleared LEVEL- A1 in German Course.
- Panimozhi has won first place in the “On Spot Event” at the 18th annual Islamic cultural event held in Aug 2016.
- Priyanka has won 1st prize in card making on international women’s day and won second place in Ball badminton in crescent University.
- Gamini Geetha has won first prize in the Vector Event in Origin 2017, Intra University symposium organised by the department of Mathematics and actuarial science and has won the winner prize in basket ball on Feb 2017 at BSACU.
- Sumana.K has won third prize in the ORIGIN event of Maths dept. symposium at BSACU.
- B.Priyadharshini has won second prize in Robotics Workshop at BSACU.
- Dhavudkhan.M has won second prize in Volley Ball & Kabadi at BSACU.
- Vishali has won third prize in the ORIGIN event of Maths dept. symposium at BSACU.
- Shaik mannuru karishma has won in “Shri Dewang Mehtha certificate of excellence Top Ranker 2017” held at SRM University.
- Sandhiya J has won the Silver jubilee trophy in State level Ball Badminton tournament at BSACU.
- Sandhiya J was Runner Up in All India ball badminton inter University tournament held at SRM University.
- Sandhiya J was the Winner in Buck memorial state level ball badminton tournament held at YMCA, Chennai
- Srirambhat M, Vigneswaran R, Ijaz Ahmed, Thoufeek Ahmed and Vigneswar R have won in Robotics football (RAIF) in CRESTECH 2K’17 held at BSACU.
- Thoufeek Ahmed, Ijaz Ahmed, Vigneswar R and Srirambhat M are the winners in Infinity (connexion event) in CRESTECH 2K’17 held at BSACU.

- Srirambhat M, Vigneswaran R, Ijaz Ahmed M, Thoufeek Ahmed M and Vigneswar R have won III Prize in Infinity (treasure hunt) in CRESTECH 2K'17 held at BSACU.
  - Vigneswaran R and Srambhat M were in the 4<sup>th</sup> and 5<sup>th</sup> place in Tour De Crescent Cyclothon conducted by BSAU.
  - Yekabattala sai kumar was the Runner Up in State level Dhanalakshmi Cricket Tournament held at DCE, West Tambaram.
  - Yekabattala sai kumar, was the Runner Up in State level sathyabhama cricket tournament held at Sathyabama University.
  - Ijaz Ahmed M has won 2nd prize in Do-doodle event in CRESTECH 2K'17 held at BSACU.
  - Developmental Activities: -
  - Industry / Institute Collaboration
- ✓ ECE department in support with M/s.Jasmin Infotech, Chennai, conducted various activities after the Industry-Institute meet. The activities are listed below.
    - Off campus placement assistance has been arranged for B.Tech and M.Tech Students.
    - 3 UG and 1 PG students undergone internship training during 04.07.16 to 15.07.16.
    - Senior Faculty members visited Jasmin Infotech twice for interaction.
    - Accepted to provide technical support to 2 UG projects and 1 PG project for every academic year.
    - 15 Hours of communication skill training is provided to employees of Jasmin Infotech., starting from 26.08.16.
  - ✓ One day seminar on “Didactic Seminar on OrCAD PSPICE and PCB” was conducted on 26.06.16 by the department. Dr. V.D.Kulkarni and Mr. Kamalesh Kumar, Entuple Technologies were the resource persons.
  - ✓ Two days training programme on “PCB design, Antenna Design and Fabrication” in association with Entuple Technologies, Bangalore on 18.07.16 and 19.07.16.
  - ✓ 2 UG students undergone 1 month internship training on “Cadence Design Flow” in Entuple Technologies”, Bangalore during June 2016.
  - ✓ Two days workshop on “Embedded system development using ARM and Xilinx Boards” organized by Department in Association with CoreEL Technologies, Bangalore, on June 9<sup>th</sup> &10<sup>th</sup> , 2016.
  - ✓ 3 UG students undergone internship training for 2 weeks in Ocean Electronics Division, NIOT, Chennai during June 2016.

- ✓ Eight faculty members Visited Nokia Solution and Networks, Oragadam, Chennai on 4.11.16 for project discussion

(i) Internship Details – VIII sem ECE A

S.NO	NAME OF THE STUDENTS	COMPANY NAME
1.	Aaqib Mohammed	Jasmine Infotech ,Chennai
2.	Aashik Bharath E	
3.	S.Fathima Sajna	
4.	Abdul Mohsin	Coovum Smart Systems & Services Pvt .Ltd, chennai
5.	Imaduddeen V. N	
6.	M.S.Abdulmathin	Denvik Technology,Chennai
7.	S. Dhanush Kumar	
8.	Hameed Irfan	
9.	Ganesh Kumar M	
10.	M.Chithra	National Thermal Power Corporation,Chennai
11.	A.N.Kavitha	
12.	Darvesh Akthar	
13.	M.D.Hurmth Naireen	NEC,chennai
14.	Irfan Junaid	BSNL,Chennai
15.	Kandanuru Gowtham	

(ii) Internship Details – VIII sem ECE B

S.NO	Name of the Students	Company Name
1.	Nehadoss .M	Santro Tech Software Technologies Pvt.ltd, Banglore
2.	Priyadarshini.R	
3.	Vamsi Vijay Mohan Dattada	Pi Data Center, Hyderabad
4.	Shaik Khader Ansari	BSNL ,Chennai
5.	Sheik Ahmed Hussain	
6.	Syed Ibrahim	
7.	Syed Mohammed Zaid	
8.	Syed fairoz .R	
9.	Riyazuddeen.S	
10.	Savitha.V	
11.	SherizaLarif .A	Coovum Smart Systems & Services Pvt .Ltd, Chennai
12.	M.Sangeetha	
13.	R.Nivedha	
14.	SakthiGnanavel.B	

15.	E.Sangeetha	Jasmine Infotech ,Chennai
16.	M.Ponlakshmi	
17.	A.Vetrivel	
18.	A.Nithya	Denvik Technology,Chennai
19.	Tahmina Tahseen.M	

- Society Activities :
  - One National Conference, one FDP, two short term training Programmes and six workshops organized by ECE department are sponsored by IE, IETE and SECE societies.
- Mou's Signed : NIL
- Extension Activity Conducted :
  - (i) Testing and Consultancy: CONSULTANCY IN TESTING AND MEASUREMENTS OF RF DEVICES is carried by the Department of Electronics and Communication Engineering using "VECTOR NETWORK ANALYZER (VNA)". Vector based network analysis is one of the most essential RF/microwave measurement approaches to test both passive, active devices and components that attributes of both

FABRICATION OF RF CIRCUITS ANTENNAS and PCBs is carried by the Department of Electronics and Communication Engineering using "MITS PCB PROTOTYPE MACHINE". Total revenue generated is Rs. 36,350/-

(May '16 – Mar'17)			Total Revenue(Rs.)
S.no	Testing Consultancy(Rs)	Fabrication Consultancy(Rs)	36,350
1	34,500	1850	

- Important Visitors

SI.No	Date	Name of the resource Person	Background Ind/Academic/R&D	Topics Covered	Participants
1	11.08.16	Mr H R Mohan	Vice Chairman, IEEE Madras Section	ICT	I & II M.Tech COS & VLSI III Year ECE

					A & B
2	11.08.16	Mr. M. Shanmugha Hari	Senior Engineer, Caterpillar India Pvt. Ltd.	Automotive Electronics	I & II M.Tech COS & VLSI  III Year ECE A & B
3	05.10.16	Dr. SwarnaRavindraBabu	Chairman, IETE Chennai	IoT& its Applications	All the Students of ECE
4	20.10.16	Dr. SwathiTanjoreGurumani	Professor, IIITDM Kanchipuram	CISC and RISC Architecture	III Year ECE A and B Sec
5	15.11.16	Ms. ChentahamaraiChelvam	Sr. Principal Scientist, Deputy Director, CSIR, Chennai	Lon Networks – Industrial Networking	III Year ECE A and B Sec
6	23.11.16	Prof. Janet Light	University of New Brunswick, Canada	Health Care Monitoring and Network Security	III Year ECE A and B Sec
7	06.02.17	Mr. Musthafa Hussain  Ms. Nivethitha K	Alumni  M.S in Australia  Programming Engineering,  National Instruments, Bangaluru	Placement and Higher Studies.	II & III Year ECE A and B Sec
8	16.02.17	Mr. Prabhat Singh	Analog Devices, Bangalore	Evolution of Cinema Sound: Next Generation AVR/Sound bar – 3D sound in a Home Theatre	II & III Year ECE A and B Sec
9	11.03.17 &	Dr. Pannir Selvam	TCS Bangalore	Wiener filter and Kalman	III Year (RF group) ECE



	18.03.17			filter made easy	A and B Sec
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- Any Other Information

- (i) The project titled "Health monitoring for elderly patients using IOT" submitted by Thenappan.R and Srinivasan.D of final year ECE is granted with an amount of Rs. 30,797 by IE.
- (ii) Indian Council of Medical Research has sanctioned an amount of Rs. 100000/- for the workshop titled "Biomedical Signal Processing and Computational Biology for Healthcare Applications" scheduled to be held on 12-16 May, 2017.



**DEPARTMENT OF  
ELECTRONICS & INSTRUMENTATION  
ENGINEERING**

# **ELECTRONICS AND INSTRUMENTATION ENGINEERING**

## **1. NEW PROGRAMMES STARTED: NIL**

## **2. VALUE ADDED PROGRAMMES STARTED**

- Value Added Programme on LABVIEW for second year students (EIE)
- Value added programme on "Industrial Automation using PLC, SCADA and DCS" was organized for the Final year UG students and PG students from 15.2.2017 to 17.2.2017 by Mr. Mohammed Rasool, Project Engineer, Schneider Electrics Pvt. Ltd.
- Value added programme on "IOT for Industrial Automation" is conducted by Mr. Rajkumar, Director, Bhairava Research & Technology, for third year EIE students during the month of March and April 2017.

## **3. TRAINING PROGRAMMES OFFERED**

- Two day National Training Program (NWTP) in association with Cognizance, IIT Roorkee on " IOT using Raspberry Pi" was organized by Dr.U.Sabura Banu, Prof. & Head/EIE & Ms.M.P.Nageswari,AP/EIE on 31.3.2017 and 01-04-2017
- A training programme on SCADA was conducted for the second year and third year students was organized by Axis Global Automation, Chennai on 10.3.2017
- A two days Hands on training programme "CONVAL SOFTWARE" CAD Tech consultants Pvt Ltd for benefit of III Year EIE Students by Mrs. P. R.Hemavathy, AP (SG) /EIE Dept. on 1<sup>st</sup> & 2<sup>nd</sup> March & 2017. Mr. Rana Gupta and Mr. Arul Manikandan from CADTech consltants Pvt. Ltd. were the resource persons for the training programme
- "National Summer Training Programme" on Embedded System and Robotics jointly organized by Dr.U.Sabura Banu, Prof&Head/EIE & Ms.M.P.Nageswari,AP/EIE, Department of Electronics and Instrumentation Engineering & EDC IIT Roorkee during July 18-24, 2016
- Two days hands on training programme on "Application of Embedded systems to Instrumentation" on 15.03.2016 and 16.03.2016

## **4. INTERDISCIPLINARY PROGRAMMES CONDUCTED:**

Additional One Credit Course to learn the state of art techniques in cryptography by Prof. Albert Fassler organized by CSE department was attended by three students from II year B.Tech (EIE) from 20.2.2017 to 3.3.2017

Dr. Ammasi Periasamy, Virginia University offered a one credit course which was attended by ten students from EIE final and third year on Imaging during August 4-12, 2016 organized by the School of Life Sciences

#### **5. CONFERENCES / FDPs / SEMINARS / WORKSHOPS CONDUCTED BY THE DEPARTMENTS**

- Gate Awareness lecture was conducted for the third year students by Triumphant Institute of Management Education on 15.3.2017.
- Ms. G. Anitha organized one day workshop on “Digital Signal Processing using Matlab” on 11<sup>th</sup> March 2017
- Workshop was organized for the II and III year UG students by Technocrat Automation Pvt. Ltd on 17.2.2017
- A seminar on “Gate Awareness Program” was conducted by Mr.Syed Farook from Gate Academy for the benefit of II year EIE students on 2-3-2017.
- One day Workshop on Pressure Temperature and Multifunction Calibrators” by Nagman Instruments Pvt Ltd., benefit of Faculty and students 17.2.2017
- Dr. U. Sabura Banu organized a Seminar on “Industrial Automation” by Technocrat Automation Solution Pvt Ltd., 14<sup>th</sup> February 2017

#### **6. CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED**

- Dr. U. Sabura Banu and Ms. M.P. Nageswari attended the Two day National Training Program (NWTP) conducted by EIE department in association with Cognizance, IIT Roorkee on " IOT using Raspberry Pi" on 31.3.2017 and 01-04-2017
- The following faculty members have attended a One Day Workshop on Commercialization of Intellectual Property and Quality Assurance in Higher Education held on 9.2.2017 organized by B.S. Abdur Rahman University.
  - 1) Dr. U. Sabura Banu Prof & Head
  - 2) Dr. T. R. Rangaswamy Professor of Eminence
  - 3) Dr. P. Kanagasabapathy Professor of Eminence
  - 4) Dr. D. Najumnissa Jamal Professor
- The following faculties have participated in the Two day workshop on “ Research Methodology & Quality Assurance” organized by the Office of Dean (AR) B.S. Abdur Rahman University on 2<sup>nd</sup> & 3<sup>rd</sup> December 2016.
  - 1) Mrs. M.S. Murshitha Shajahan AP(SG) /EIE
  - 2) Mrs.G.Anitha, AP(SG) /EIE
  - 3) Mrs.P.R.Hemavathy, AP(SG) /EIE

- 4) Ms.B.Pushpa, AP /EIE
- 5) Mr.N.Sivaramakrishnan, AP/EIE

- A paper titled “PNN-based Analysis System to Classify Renal Pathologies in Kidney Ultrasound Images” authored by Mangayarkarasi. T and Najumnissa Jamal.D Prof/EIE , is presented in the International conference on IEEE International Conference on Computing and Communication Technologies (ICCCT '17) on 23.2.17 & 24.2.17 organised by Sri Sairam Engineering college.
- Ms.M.P.Nageswari attended a workshop on “Accelerate the startup talk” conducted by EDC, BSACU on 10.11.2016.
- Dr. U. Sabura Banu,Ms. M.P.Nageswari attended one week National Summer Training Programme (NSTP) on “Embedded System & Robotics” conducted by EIE department in association with EDC, IIT Roorkee.
- Ms. M.P. Nageswari attended a workshop on “Accelerate the startup
- R.Sriram, U.SaburaBanu,” Rehabilitatio for paralysed patient based on Hand gestures”, International conference on innovations in information embedded and communication systems,(ICIIECS-2016) pp-361-365.
- Divya Vijay, U.SaburaBanu,” PID controller tuned using simulated annealing for assured crew re-entry vvehicle with PWPF thruster firing”, International conference on innovations in information embedded and communication systems,(ICIIECS-2016),pp-596-601
- Anitha .G, U.SaburaBanu, UwiseAhmed.A,” Detecttion and analysis of diabetes mellitus and NPDR using tongue geometry features”, International conference on innovations in information embedded and communication systems,(ICIIECS-2016),pp-670-674.
- P.R.Hemavathy, U.SaburaBanu,” Tuning of fractional order PI controller for cascade control system using Genetic algorithm”, International conference on innovations in information embedded and communication systems,(ICIIECS-2016),pp-780-783
- N.Sivaramakrishnan, U.SaburaBanu, M.Ramkumar ,” Dewsign of frational integral controller with GA optimizer for Quasi Z souirce Inverter”, International conference on innovations in information embedded and communication systems,(ICIIECS-2016),pp-469-474

**7) PAPERS PUBLISHED / PRESENTED IN JOURNALS & CONFERENCES  
(Total Numbers Only)**

National Conference	International Conference	National Journal	International Journal	Total
5	20	1	7	34

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

### Journals Published:

1. Lakshmanaprabu S.K. U. Sabura Banu, " Adaptive Multi loop IMC Based PID controller tuning using Bat Optimization algorithm for Two Interacting Conical Tank Process", [International Journal of Advanced Intelligence Paradigms](#), Inter science Publisher. (In press)
2. Najumnissa D., Mohammed Khalid. S.J, Pushpa B, Arunkumar. S, Design of Heart Rate Data Acquisition System with Mobile Alert on Emergent Data Using LABVIEW, in the International Journal of Advanced Research Methodology in Engineering & Technology, Special Issue, March 2017.
3. Najumnissa D., Salman Farsi.K., Aadhirai.S, Mohamed Kassim. Development of an EEG amplifier for a Brain-Computer-Interface in the International Journal of Advanced Research Methodology in Engineering & Technology, Special Issue, March 2017
4. J Susai Mary, U Sabura Banu, D Dinakaran and R S Nakandhrakumar, "Adaptive control by multi-objective optimisation for drilling process with fuzzy inference system and neural predictive controller" Insight - Non-Destructive Testing & Condition Monitoring, The Journal of The British Institute of Non-Destructive Testing, Vol.59, No 1, Jan 2017
5. Y.Sharmasth vali, T.R.Rangaswamy, "An Efficient Cross-Layer Based Intrusion Detection System for Mobile Ad Hoc Networks", Journal of Theoretical and Applied Information Technology, Vol.95. No.1, pp 47-58, Jan 2017
6. Ramamoorthy Madhan and U Sabura Banu, "Video Enhancement for Medical and Surveillance Applications", Current Medical Imaging Reviews, Volume 12, Issue 4, 2016.
7. P. R. Hemavathy, U. Sabura Banu, " Tuning of Fractional Order PI Controller for Cascade Control System using Genetic Algorithm", Indian Journal of Science and Technology, Vol 9(45), December 2016
8. M.S.Murshitha Shajahan, Samsul Arif, Sunaid, Khalid Ammar, " IMC based speed control of steam turbine", International Journal of Advanced Research Methodology in Engineering & Technology", March 2017.

## International Conference

1. Mohamed Hussain, U. Sabura Banu, " Bacterial Foraging optimized Filter constant tuned Internal Model Control based PID control for Reverse Osmosis Desalination process", 2017 IEEE International Conference on Technological Innovation in Communication, Control and Automation (TICCA), Easwari Engineering College, Chennai, 5-7 April, 2017.
2. U. Sabura Banu, V. Aparna, Yasmin, "PI Controller Design using Quantitative Feedback Theory for a Flow Process", 2017 IEEE International Conference on Technological Innovation in Communication, Control and Automation (TICCA), Easwari Engineering College, Chennai, 5-7 April 2017.
3. S. Aadhirai, Najumnissa D, "Feature Extraction and analysis of Renal abnormalities using Fuzzy Clustering segmentation and SIFT method", International Conference on Biosignals, Images and Instrumentation, 16-18, March 2017.
4. Najumnissa D., Mohammed Khalid. S.J, Balavan Vignesh. R, Arunkumar. S, Design of Heart Rate Data Acquisition System with Mobile Alert on Emergent Data Using LABVIEW, to the International conference on Modern Engineering and Technology, Ooty, 10.3.2017.
5. Najumnissa D., Salman Farsi.K., Mohamed Kassim. S, Aadhirai, Development of an EEG amplifier for a Brain-Computer-Interface to the International conference on Modern Engineering and Technology, Ooty, 10.3.17
6. Lakshmanprabu S.K. U. Sabura Banu, P.R. Hemavathy Presented a paper "Fractional order IMC based PID controller design using Novel Bat optimization algorithm for TITO Process" First International Conference on Power Engineering, Computing and Control (PECCON 2017) to be held at VIT University, Chennai Campus during 2nd March,2017 to 4th March , 2017
7. Mohammed Hussain, V. Aparna, U. SaburaBanu, S.K.Lakshmanprabu, "Automation of Two Interacting Conical Tank process with Multiobjective Optimization of Fractional PID controller with a Metaheuristic Optimizer, the Cuckoo search algorithm", International Conference in Trends in Industrial Measurements and Automation organized by Department of Instrumentation Engineering, MIT campus, Anna University, during 6th to 8th January 2017.
8. U. SaburaBanu, V. Aparna, Yasmin, Mohamed Hussain, "Coefficient Diagram Method based Control for Two Interacting Conical Tank Process", International Conference in Trends in Industrial Measurements and Automation organized by Department of Instrumentation Engineering, MIT campus, Anna University, during 6th to 8th January 2017.



9. M. S Murshitha Shajahan , T. R. Rangaswamy “Adaptive Boiler Turbine and Generator coordinated control system for Thermal Power Plant”, International Conference in Trends in Industrial Measurements and Automation organized by Department of Instrumentation Engineering, MIT campus, Anna University, during 6th to 8th January 2017.
10. M.P. Nageswari, U. SaburaBanu, Mohamed Ismail "Classification of Abnormalities in Brain using GLCM And RLM with Neural Network Classifier". International Conference in Trends in Industrial Measurements and Automation organized by Department of Instrumentation Engineering, MIT campus, Anna University, during 6th to 8th January 2017.
11. Arun Kumar, Mohamed Faisal, U.SaburaBanu, Ubaid Rasool, “Severity detection of bacterial leaf spot on plants using colour imaging techniques and correlation with mathematical techniques”, International Conference on Applications of Natural Products and Opportunities Ahead - ICAN 2016 2-3 August 2016 Organized by B.S. Abdur Rahman University, Vandalur, Chennai in association with University of East London UK.
12. Arun Kumar, T.R.Rangasway, Dr.U.Saburabanu, “Classification of medicinal herbs based on leaf venation assisted by Neural Network Pattern recognizer”, International Conference on Applications of Natural Products and Opportunities Ahead - ICAN 2016 2-3 August 2016 Organized by B.S. Abdur Rahman University, Vandalur, Chennai in association with University of East London UK.
13. J.Mohamed Syed Ali, A.Meenakshi, M.P.Nageswari, “Identification Of Medicinal Leaves Using Textural Analysis And Back Propagation Network”, International Conference on Applications of Natural Products and Opportunities Ahead - ICAN 2016 2-3 August 2016 Organized by B.S. Abdur Rahman University, Vandalur, Chennai in association with University of East London UK.
14. M.G.Haarini, J.Sureca, G.Anitha, “Edge Detection Of Medicinal Leaves Using Ant Colony Optimization Algorithm”, International Conference on Applications of Natural Products and Opportunities Ahead - ICAN 2016 2-3 August 2016 Organized by B.S. Abdur Rahman University, Vandalur, Chennai in association with University of East London UK.

15. SaburaBanu. U. Arunkumar. B Mohamed Anees.Z, Mohamed . Ashik Ali U, ""Design a Compact High Performance Battery for Rocket Propulsion using Graphene", National Conference on Large Scale Multi-disciplinary Systems of National Significance- Trends & Challenges - Students' special symposium special symposium organised by SDSC SHAR, ISRO, Sriharikota, June 2016.
16. Divya Vijay, U. SaburaBanu, Boopathy, “, "Multiobjective GA Based Sliding Mode Controller for Re-entry Vehicle", Joint International conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2016) and Power, Circuit and Information Technologies (ICPCIT-2016)organized by EEE Department, SRM University, Kattankulathur during May 19-21, 2016.
17. R.Sriram, U.SaburaBanu,” Rehabilitatio for paralysed patient based on Hand gestures”, International conference on innovations in information embedded and communication systems, 17<sup>th</sup> & 18<sup>th</sup> March 2016 in Karpagam college of Engineering, Coimbatore. (ICIIECS-2016) pp-361-365.
18. Divya Vijay, U.SaburaBanu,” PID controller tuned using simulated annealing for assured crew re-entry vehicle with PWPF thruster firing”, International conference on innovations in information embedded and communication systems, 17<sup>th</sup> & 18<sup>th</sup> March 2016 in Karpagam college of Engineering, Coimbatore. (ICIIECS-2016),pp-596-601
19. Anitha .G, U.SaburaBanu, UwiseAhmed.A,” Detecttion and analysis of diabetes mellitus and NPDR using tongue geometry features”, International conference on innovations in information embedded and communication systems, 17<sup>th</sup> & 18<sup>th</sup> March 2016 in Karpagam college of Engineering, Coimbatore. (ICIIECS-2016),pp-670-674.
20. P.R.Hemavathy, U.SaburaBanu,” Tuning of fractional order PI controller for cascade control system using Genetic algorithm”, International conference on innovations in information embedded and communication systems, 17<sup>th</sup> & 18<sup>th</sup> March 2016 in Karpagam college of Engineering, Coimbatore. (ICIIECS-2016),pp-780-783..
21. N.Sivaramakrishnan, U.SaburaBanu, M.Ramkumar ,” Dewsign of frational integral controller with GA optimizer for Quasi Z sourice Inverter”, International conference on innovations in information embedded and communication systems, 17<sup>th</sup> & 18<sup>th</sup> March 2016 in Karpagam college of Engineering, Coimbatore. (ICIIECS-2016),pp-469-474

### **National Conference**

1. Suhail Ahmed, Mohammed Faizan, U. Sabura Banu, “Temperature Monitoring Of Infant”, National Students Conference on Control and Automation on March 03, 2017
2. S.Tasleem Beema, S.Ashika, C.Sasikala, U. Sabura Banu, “WBC Classification By Adaptive Neuro Fuzzy Inference System With Spatial And Temporal Feature

Extraction Techniques”, National Students Conference on Control and Automation on March 03, 2017

3. Abhishek. R, Vishal K, Mohammed Ashiq, M.P. Nageswari, U. Sabura Banu, S. Hemalatha, “Texture Analysis And Classification Of Paddy Using Histogram Approach And Naïve Bayes Approach, National Students Conference on Control and Automation on March 03, 2017
4. K. Harishankar, S.Norman Cruz, U. Sabura Banu, “Anaemia Detection using LASER”, National Students Conference on Control and Automation on March 03, 2017
5. Zubaidha, Subaidha Fathima, Shameera Banu, U. Sabura Banu, “Electronic Gadget for BMI measurement”, National Students Conference on Control and Automation on March 03, 2017

## 9) DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

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

## 10) SPONSORED RESEARCH (ONGOING / APPLIED)

S. No	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs. in Lakhs)	Status
1.	Dr. U. Sabura Banu Dr. P. Kanagasabapathy Ms. M.P. Nageswari	Interdisciplinary Cyber Physical System Department of Science and Technology Ministry of Science and Technology	IoT enabled oil spillage localization and thickness measurement in ocean	12.12	30 March 2017
2.	Dr. S. Hemalatha, Dean, School of Life Sciences Dr. U. Sabura Banu, EIE Department Dr. M.K. Sangeetha School of Life Sciences	Interdisciplinary Cyber Physical System Department of Science and Technology Ministry of Science and Technology	Prognosis Of Diabetic Retinopathy And Choroidal Neovascularization By Image Processing And System Identification Technique And	25.2	31 March 2017

			Validation With Biomarkers		
3.	Dr. T.R. Rangaswamy Ms. M.Murshitha Shajahan	CPRI, Bangalore	Design, Develop and simulation of adaptive co-ordinated control in Thermal Power Plant for Grid Disturbance	25.00	Submitted on December 2016
4.	Dr. P. Murugan,KVK Dr. S. Hemalatha,SLS Dr. U. Sabura Banu Mr. Periathambi,4M	DST	Biotech-KISAN (Krishi Vigyan Kendra, Kattupakkam)	120.00	Submitted on Nov. 15, 2016
5.	Dr. U. Sabura Banu, EIE Dr. S. Hemalatha, SLS Dr. R Auvai, PED	'Science and Technology of Yoga and Meditation' (SATYAM)	YOGA on controlling Type II diabetes in combination with anti hypoglycemic drugs: Assessment by biochemical, molecular and image processing techniques	41.00	Submitted on Nov. 15, 2016
6.	Mr. S.Shanmugam, Mech Dr Sabura Banu, EIE Dr Rajendran, Mech Dr Kadiresh, Aero	National Institute of Wind Energy	Design, Develop & Manufacture a 5kW Small Wind Turbine for low & moderate wind regimes and dusty environment prevalent in India.	91.90	September 2016 Presentation Over Revision under progress
7.	Dr. S. Hemalatha, Dean, School of Life Science & Dr. U. Sabura Banu, Prof.& HOD , 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	2016
8.	Dr. S. Hemalatha, Dean, School of Life Science & Dr. U. Sabura Banu, Professor, Electronics and	Establishment of Rural Women Technology Park	Tamilnadu to Science for Equity, Empowerment & Development Division (SEED), Department of	<b>41.90</b>	2016

	Instrumentation Engineering		Science & Technology		
9.	Dr.D.Najumnissa Jamal, Prof. EIE Dr. C.Tharini, Prof. ECE Ms. G.Anuradha, Asst. Prof. ECE	Assessment on cognition and Autonomic Influences of Yoga using ECG and EEG signal processing techniques	Department Of Science And Technology Of Yoga And Meditation (SATYAM)	16.68	Nov. 2016

#### 11) SPECIAL RESEARCH LABORATORIES CREATED:

- **In process control Lab**, for investigating research work on unstable process, Qube SRV USB Rotary servo module (Inverted pendulum) is purchased for an amount of Rs. 2,63,056/- from M/s . Edutech India Pvt Ltd.
- Calibration Centre Established

#### 12) Major Equipment Purchased

The following equipments are purchased from M/s. Nagman Instruments and Electronics Pvt Ltd., for an amount of Rs. 4,31,025/-

- Microprocessor based Universal Temperature Calibrator
- Smart Pressure Calibrator
- Multifunction Calibrator

#### 13) BOOK CHAPTER PUBLISHED

Divya Vijay, Sabura Banu, Boopathy, "Multi-objective Genetic Algorithm-Based Sliding Mode Control for Assured Crew Reentry", Vehicle, Adv in Intelligent Syst., Computing, Vol. 517, Subhransu Sekhar Dash et al. (Eds): Artificial Intelligence and Evolutionary Computations in Engineering Systems, 978-981-10-3173-1, 421493\_1\_En, (42

#### 14) PATENTS (OBTAINED / APPLIED):

Dr. U. Sabura Banu has applied for a patent on "Innovative portable digital height measuring instrument" – Ref No.E-2/954/2017-CHE on 6.4.2017.

#### 15) INTERNATIONAL VISIT (ACADEMIC RESEARCH) : NIL

#### 16) Faculty Internships

Ms. B. Pushpa, AP/EIE	<sup>th</sup> 8 June – <sup>st</sup> 21 July 2016	Department of Neurology, Malar Hospital, Chennai
Mr. N. Sivaramakrishnan, AP/EIE	July 5-9, 2016	Nagman Instruments and Electronics (P) Ltd., Chennai

## **17) ACHIEVEMENTS OF STAFF:**

Ms.M.S Murshitha Shajahan AP (SG) is nominated for DIGI GURU best teacher award. Her video presentation on `Temperature Measurement` is published in You Tube on Feb 10th 2017.

## **18) ACHIEVEMENTS OF STUDENTS**

- Mr. B. Arun Kumar won second prize in the poster presentation in the International Conference on Applications of Natural Products and opportunities ahead (ICAN 2016) organized by B.S. ABDUR RAHMAN UNIVERSITY in association with University of East London on 2-3 August 2016.
- Ms. S. Yasmin, 1 year M. Tech EIE student represented the Ball Badminton which was Winners State Level Tournaments held at B.S. Abdur Rahman Crescent University 2.3.2017 to 3.3.2017
- Suhail Ahmed, Mohammed Faizan, U. Sabura Banu, "Temperature Monitoring Of Infant", National Students Conference on Control and Automation organized by SSN College of Engineering on March 03, 2017
- Two student teams participated, presented & demonstrated in South Zone student Research Convention, ANVESHAN 2017 conducted by Association of Indian Universities at Tumkur University, Tumkur, Karanataka during February 14-15, 2017.

## **STUDENT PARTICIPATION IN CONFERENCES AND WORKSHOPS**

- S.Tasleem Beema, S.Ashika, C.Sasikala, U. Sabura Banu, "WBC Classification By Adaptive Neuro Fuzzy Inference System With Spatial And Temporal Feature Extraction Techniques", National Students Conference on Control and Automation organized by SSN College of Engineering on March 03, 2017
- Abhishek. R, Vishal K, Mohammed Ashiq, M.P. Nageswari, U. Sabura Banu, S. Hemalatha, "Texture Analysis And Classification Of Paddy Using Histogram Approach And Naïve Bayes Approach, National Students Conference on Control and Automation organized by SSN College of Engineering on March 03, 2017.
- K. Harishankar, S.Norman Cruz, U. Sabura Banu, "Anaemia Detection using LASER", National Students Conference on Control and Automation organized by SSN College of Engineering on March 03, 2017
- Zubaidha, Subaidha Fathima, Shameera Banu, U. Sabura Banu, "Electronic Gadget for BMI measurement", National Students Conference on Control and Automation organized by SSN College of Engineering on March 03, 2017.

- Aadhirai .S. PG Student " feature Extraction And analysis of renal Abnormalities using fuzzy Clustering Segmentation And Sift Method " International Conference on Biosignals , images and Instrumentation organized by SSN College on March 16-18 march 2017
- Mohamed Noufal Anwar First year has participated in the Two days Workshop on Mobile APP development Using App Inventor organized by BSAU Applie Ios Application development centre during 16-17<sup>th</sup> March 2017
- Mohamed Irfan S. First year has participated in the Two days Workshop on Mobile APP development Using App Inventor organized by BSAU Applie Ios Application development centre during 16-17<sup>th</sup> March 2017
- Mohamed Tariq Hussain P.M First year has participated in the Two days Workshop on Mobile APP development Using App Inventor organized by BSAU Applie Ios Application development centre during 16-17<sup>th</sup> March 2017
- Mohamed FAIZAN First year has participated in the Two days Workshop on Mobile APP development Using App Inventor organized by BSAU Applie Ios Application development centre during 16-17<sup>th</sup> March 2017
- Mohamed Harish M. First year has participated in the Two days Workshop on Mobile APP development Using App Inventor organized by BSAU Applie Ios Application development centre during 16-17<sup>th</sup> March 2017
- Mohamed Faisal M.S II year Student & Balakrishnan.C III Year to attended the guest lecture given by Dr. Jitendra Saxena,, FIE Director, organized by the Institution of Engineer ( INDIA) Kolkata. on 20.3.2017
- The flowing students are participated Two Days Workshop on ANDROID APPLICATION DEVELOPMENT Organised by BSAU Apple iOS Application Development centre during 16<sup>th</sup> & 17<sup>th</sup> February.  
Mr. S. Shuhail Ahmed ( first year ).  
Mr. Norman Cruz. S. (First year )  
Mr. K. Harishankar ( first year )
- The following students of EIE attended the workshop on "Accelerate- Start Up talk" for students offered by Million Minds in our University on 10-11-2016.

### **III Year EIE**

Amritha Naresh  
 Mohamed Farhan  
 Mohamed rafi  
 Prasanth

### **II year EIE**

Mohamed Faisal  
 Shahid Khan  
 Thoufiq Ahmed

### **One day shop event for women students was conducted on March 2 , 2017 .**

The following students of EIE has participated in the event:

- Mehendi Designing Stall -Tasleem Beema II year EIE
- Juice Stall -Safiya Fathima.A & Haarini.M.G III year EIE

### **One day shop event on 01-09-2016**

Spice Stall-	Mohamed Rafi	III Year EIE
Get Clicked Stall	Sunjay Shravan	III Year EIE
Accessories Stall	Shahid Khan	II Year EIE
Games Stall	Mohamed Faisal	II Year EIE

## **19) DEVELOPMENTAL ACTIVITIES**

Calibration centre has been established on March 2017 in order to carry out calibration for various industries and institution in and around our university .

### **INDUSTRY / INSTITUTE COLLABORATION**

Carried out consultancy projects with FESTO, Central Leather Research Institute (CLRI), Nagman Electronics and Instruments Pvt. Ltd.

## **20) SOCIETY ACTIVITIES**

- National Level Student Conference on "Innovative Trends in Instrumentation, Electronics" was conducted on 4th April 2017 by the ISA Student section of EIE Department, BSA Crescent University.
- Final year B. tech( EIE) Students joined as members in Institute of Electrical and Electronics Engineers Society
- Third year B. tech(EIE) students and first year M. Tech (EIE) students joined as student members in International Society of Automation and Ms.P.R. HemavathyAP(SG) as faculty member in the same society
- Second Year EIE Students joined as members in Instrument Society of India .

## **21) MoUs Signed : NIL**

## **22) EXTENSION ACTIVITY CONDUCTED:**

- One Day Workshop on "Capacity building of women in higher education" organized by the Women Empowerment Cell on 1st April 2017.

### **Department Co-ordinator**

Dr. U. Sabura Banu

### **Participants**

- Dr. D. Najumnissa Jamal Professor



- Mrs. M.S. Murshitha Shajahan AP(SG) /EIE
- Mrs.G.Anitha, AP(SG) /EIE
- Mrs.P.R.Hemavathy, AP(SG) /EIE
- Ms.B.Pushpa, AP /EIE

### **23) IMPORTANT VISITORS**

- Mr.Sriram Sastry Properiter, Allied Electronics, Chennai 83
- Mr. V.R.Chandran Senior General Manager (Sales)
- M/s. Nagman Instruments & Electronics (P) Ltd, Chennai - 600 12
- Mr. N.P.C. Jesudian Consultant , Former Board Member, TNEB, Chennai
- Mr. D.Rakesh Arya Associate Instrument Engineer Manager , DOW Chemicals ,Chennai
- Mr. S.Rajkumar Director, Technology, Bhairava Research & Technology Pvt Limited, Chennai

### **24) Any Other Information**

#### **Industrial Visit**

Thiruvannamalai, Hameed Hospital on 3.3.2017 – III year students

Tehnocrats Automation in 18 February 2017 – I, II & III year students

**Chemin Control on 29<sup>th</sup> September 2016 – Third year students**

#### **Guest Lectures delivered**

- Dr. U. Sabura Banu New Approaches in teaching and learning - case studies  
Induction training programme conducted on 12/1/2017 by Faculty Training Academy, B.S. Abdur Rahman University
- Dr. P. Kanagasabapathy delivered six hours lecture on a TEQIP workshop on “Instrumentation and Control in Thyagaraja College of Engineering on 2 March 2017
- Dr. P. Kanagasabapathy delivered a lecture on “Applications of Non linear control systems” in a Two-Week DST Sponsored Faculty Development on 23-11-2016.
- Dr. U. Sabura Banu delivered a lecture on “Electronic PID control, Auto/Manual Transfer Faculty Development Training Programme on "EI6602 Process" at Sri Sairam Engineering College, on 20/12/2016
- Dr. U. Sabura Banu delivered a lecture on “Internal Model Control, Model Predictive Control, Adaptive Control” at Eswari Engineering College on 8.12.2016
- Dr. P. Kanagasabapathy delivered a lecture on Instrumentation for the CTS Engineers on April 2016 in Madras Institute of Technology, Chrompet.



# **SCHOOL OF INFRASTRUCTURE**

➤ **Dept. of Civil Engineering**



# DEPARTMENT OF CIVIL ENGINEERING

# CIVIL ENGINEERING

## NEW PROGRAMMES STARTED

- The department of Civil Engineering has started M.Tech. Structural Engineering and Construction Engineering & Project Management in part-time mode for working professionals.

## TRAINING PROGRAMMES OFFERED

- A training programme was organized for the final year students of B.Tech. Civil Engineering on "Construction Project Management and Scheduling Software" during 21.3.2016 to 12.5.2016.

## CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Six day SERB Sponsored National Workshop on "Impact of Climate Change on Durability of RCC Structures (ICCRDS'16)" was organized during 19–24, April 2016.
- Six day SERB Sponsored National Workshop on "Urban Disasters – Nature's Fury or Human Negligence" was organized during 19–24, September 2016.
- Three day DST- SERB,INSA and M/S. Mahindra Consulting Engineers Ltd., Sponsored International Conference on "Innovative Technologies for Sustainable Built Environment (ITSBE'17)" was organized during 14– 16, March 2017.
- Two day workshop on "Application of Civil Engineering Software" was organized exclusively for B.Tech. Civil Engineering students during 22-23, March 2017.
- Department of Civil Engineering, School of Infrastructure celebrated UN World Water Day and Dr.S.Balaji, IFS, Principal Chief Conservator of Forests, Inaugurated Eco Club on 22<sup>nd</sup> March 2017.



*Inaugural Function - ICCRDS'16 on 20/4/16*



*Inaugural Function - ICCRDS'16 on 20/04/16*



*UN World Water Day and Inauguration of ECO CLUB on 22.03.2017.*



➤ *National Workshop on “Urban Disasters –Nature’s Fury or Human Negligence19–24, September 2016.*

*Panel Discussion and Valediction on 24th September 2016 by the expert members Mrs.Sushila Ravindran( Vice-principal), Mr.T.Ramesh(Sub-Editor –The Hindu), Dr.R.Nagendran(Expert Member –NGD), Mr.Helmut Schippert( Director –Max Mueller Bhavan),Dr.M.V.Molykutty(Professor).*



*International Conference -Innovative Technologies for Sustainable Built Environment (ITSBE'17), 14-16 March 2017*

*Keynote address and a guest lecture by Prof.Dr. C.G.Koh Chan Ghee, on Structural Fragility Analysis for Sustainable Development during ITSBE 2017*

### **CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED**

- Ms. Vinu.S. K, Assistant Professor, B.S. Abdur Rahman Crescent University participated and presented a technical paper in the National Conference on Recent trends on Civil Engineering Research, 2016 held at New Prince Shri Bhavani College of Engineering and Technology on 29th April 2016.

- Mr.Y.Ibrahim, Assistant Professor attended Faculty Development Programme on “Solid Mechanics” Conducted by Mechanical Engineering Department, B.S.Abdur Rahman University during 20 -25 June 2016.
- Ms.V.Karpagam, Assistant Professor, Ms.M.Ayisha Siddiqua, Assistant Professor, Ms.R.Manimozhi, Assistant Professor and Ms.S.Faleelama, Assistant Professor attended Faculty Development Programme on “Fluid Mechanics” conducted by Aeronautical Engineering Department, B.S.Abdur Rahman University during 27<sup>th</sup> June - 2<sup>nd</sup> July 2016.
- Mr.N.Maharajan, Assistant Professor attended a five day workshop "GeoConnect 2016 - Research orientation in Remote Sensing and GIS for Natural Resources and Environmental Management" at IIST(Indian Institute of Space Science and Technology), ISRO, Trivandrum, from 4 – 8, July 2016.
- Dr.M.V.Molykutty attended a 6 day FDP on “Engineering Thermodynamics” conducted by Automobile Engineering Department, B.S.Abdur Rahman University during 18-23 July 2016.
- Dr. M.S. Haji Sheik Mohammed, Dean, SOI and Mr. S. Shafeer Ahamed, Assistant Professor attended and presented a technical paper in the “International Conference and Expo on Corrosion (CORCON 2016)” organized by NACE International India Section (NIGIS) at Delhi during 18-21, September, 2016.
- Nisha Khanam, S. Mahalakshmi and C. Hemalatha attended one week Workshop on “Urban Disasters- A Nature's Fury or Human Negligence?” organized by B.S. Abdur Rahamn University during 19-24, September 2016.
- Ms.M.Ayisha Siddiqua, Assistant Professor attended two day Workshop on “Research methodology” organized by B.S.Abdur Rahman University during 2-3, December, 2016.
- Mr.B.Kannadasan, Assistant Professor, Mr.A.Manivannan, Assistant Professor, Mr.P.Elangovan, Assistant Professor, Ms.R.Elakya, Assistant Professor, Ms.Shanmuga Priya, Assistant Professor, Ms.C.Hemalatha, Assistant Professor, Ms.R.Manimozhi, Assistant Professor and Ms.S.Faleelama, Assistant Professor has attended the "Seven Day Induction Training Programme - 2017" organized by the Faculty Training Academy at B.S.Abdur Rahman University during 9 - 21, January, 2017.
- Mr. G. Priyanth, Mr.N.Maharajan, Ms.Vinu.S.K Mr. Y.Ibrahim, Assistant Professor, B.S.Abdur Rahman University, Participated in the 4CCon - 2nd National Conference on “Free Software Movement of India” hosted by Free



Software Foundation, Tamil Nadu, 26- 29, January, 2017 at B.S.Abdur Rahman University Chennai.

- Ms.S.Booma, Assistant Professor participated three days training workshop on " Application of Geo spatial Technologies for Sustainable Natural Resource Management" sponsored by NRDMS,DST organized by Karunya University during 1-3, Feb. 2017
- Dr.M.S.Haji Sheik Mohammed, Dr.P.Vasanthi, Dr.J.Revathy, Dr. E. Rasul Mohideen, Dr. M.V.Molykutty, Dr.V.Vandhana Devi and Ms.V. Roopa attended a One day workshop on "Commercialization of Intellectual Property and Quality Assurance in Higher Education" on 9<sup>th</sup> Feb 2017 at B.S.Abdur Rahman Crescent University, Chennai.
- Ms. V.Karpagam, Assistant Professor attended a two day workshop on "Workshop-cum Training Program on Urban Flood Management: Technology Driven Solutions" conducted at BITS Pilani, Hyderabad campus during March 03-04, 2017.
- Dr. V. Vandhana Devi, Nisha Khanam and B. Kannadasan attended One day workshop on "Modern Construction practices and Reuse technology" at Auroville on 7th March, 2017.
- Mr.K.Jagadeesh, and Mr.G.Priyanth attended one day training Programme on Modern Methods for Planning and scheduling in Construction Industry" at Vels University on 27<sup>th</sup> march, 2017

#### CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Year	Total					
	FDP	Workshop	International Conference	National Conference	CEP	Total
2016-2017	13	19	2	5	-	39

#### PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

National Conference	International Conference	National Journal	International Journal	Total
7	46	5	19	77

## **DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:**

### **NATIONAL JOURNAL**

1. Ayisha Siddiqua, Saurav Sadhukhan and S.T.Vishnu Priya “Case study on water quality: Ground water and supplied domestic water”, Indian Journal of Environmental Protection, Vol.36 No.9,pp 725 – 729 ,September 2016.
2. D.S.Vijayan, and J.Revathy “Flexural response of fibre reinforced polymer laminated prestressed concrete beams” Indian Journal of Science and Technology Vol.9 No.42, pp 1-6, November 2016.
3. P.Prathebha, S.Aswni and J.Revathy “Effect of Nano particles on strength and durability properties of cement mortar” Applied Mechanics and Materials Vol.857,pp 65 – 70, November 2016.
4. M. Sivachidambaram and J.Revathy “Flexural performance of SCS sandwich beam with foamed concrete” Applied Mechanics and Materials Vol.857, pp 119 – 124, November 2016.
5. D.S.Vijayan and J.Revathy “Multiple regression model for the prediction’ Asian Journal of Applied Sciences Vol.4 No.6, pp 1299-1304,December 2016.

### **INTERNATIONAL JOURNAL:**

1. Praveen Kumar .B.J, Arvinda Pandian.C.K and Meenambigai@Deepika “Investigation of Mechanical properties of natural fiber reinforced polymer matrix composite using china clay as filler material, IJSART, Vol.2, No.1, pp. 101 -104 January 2016.
2. Ambily.P.S, Arvinda Pandian.C.K and Meenambigai@Deepika “Mechanical and durability properties of UHSGC using Industrial waste” , IJSART, Vol.2, No.1,pp. 87-92 January 2016.
3. Sanju, S.Sharadha and J.Revathy, ”Performance on the study of Nano materials for the development of sustainable concrete”, International Journal of Earth science and Engineering, Vol.9,No.3, pp. 294-300, June 2016.
4. Vignesh.C.K, Sivaranjan.D and J.Revathy “ Structural response of FRP strengthened PSC beams” International Journal of Earth science and Engineering Vol.9, No.3, pp. 353-359 June 2016.

5. Sarathkumar.S, Sivachidambaram.M and J.Revathy “Experimental study on the structural performance of composite beam with J-hook connectors”, International Journal of Earth science and Engineering Vol.9, No.3, pp. 335-346 June 2016.
6. U.Elakeya, A.Bhuvanesshri and P.Gajalakshmi “ Study on the structural behavior of concrete encased steel composite members” International Journal of Earth Science Vol. 9, No.3, pp. 323 – 329 June 2016.
7. V. Sashasayee.B, Bharat Kumar.B and P.Gajalakshmi “ Influence of fly ash on durability and performance of concrete” International Journal of Earth Science Vol. 9, No.3, pp. 341 – 346 June 2016.
8. S.Aishwarya, K.Dakshayini and P.Gajalakshmi “ Experimental Investigation on the behavior of Bagasse ash reinforced concrete structural members” International Journal of Earth Science Vol. 9,No.3,pp. 203 – 207 June 2016.
9. K.Parthasarathy, K.Vivekanandan, and P.M.Shanmuga Priya “A case study approach for evaluation of skill development training workshops for school teachers” Journal of advances in Management IT & Social Sciences Vol.6, No.9, pp. 21-42 September 2016.
10. A.Dhivya Lakshmi, K.Yogeswari “Promoting Sustainable Development – The Study on Existing Rural Infrastructure Facilities at Katchipattu Village “International Journal of Innovative and Emerging Research in Engineering,Vol.4,No.1, pp-151-157, March 2017.
11. K.Yogeswari, J.Mohamed Musthafa” Mitigation of noise pollution in Suburban area – an experimental study” International Journal of scientific research ,Vol 6, Issue no 3, pp – 555- 557, March 2017.
12. E. Yazhini, K.Yogeswari “ Post occupancy evaluation of green building for lighting and acoustic quality “International Journal of Innovative and Emerging Research in Engineering, Vol 4, Issue No 1, pp-169-175, March 2017.
13. A.K.Kaliluthin and S.Kothandaraman, (2017) “Performance Evaluation of Exterior Beam-Column Joint with Core Reinforcement Technique Subjected to Reverse Cyclic Loading”, Arabian Journal for Science and Engineering. Indexed by: Web of Science.-Springer Publications.
14. P.Gajalakshmi , K.Sriram , U.Elakya “Behaviour of Interior beam column joint with FRP wrapping” Asian Journal of Civil Engineering ,Vol.17,No.08, pp. 1151-1166 ,2016, Impact factor : 0.499
15. K.Meenu Priya,P.Srinivasan, P.Gajalakshmi, “Experimental Study on Corrosion behavior of concrete containing Bottom Ash as Partial Replacement of Fine Aggregate” Applied Mechanics and Materials , Vol.857, pp. 88-94,2017.

16. P.Gajalakshmi, S.Aravind, "Investigation on the behaviour of fibre reinforced polymer wrapped concrete in-filled steel tube columns", Applied Mechanics and Materials, Vol.857, pp. 136-141, 2017
17. Y.Ibrahim, A.T. Manikandan, Venkataradha Lokesh, Deepika, " Study on Effect of Fibres with cement on Engineering Properties of Soil", Research in Engineering and Technology, Vol.6, No.2, pp. 1-4, Feb 2017.
18. Y.Ibrahim, A.T. Manikandan" A Study on effect of bottom ash and coconut shell Powder on the properties of clay Soil", Research Journal of Engineering and Technology, Vol.4, No.2, Feb 2017.
19. A.K.Kaliluthin and S.Kothandaraman, (2017) "Numerical Modeling of Reinforced Concrete Exterior Beam – Column Joint using ANSYS", IUP Journal of Structural Engineering, , Vol.10, No.1, pp 44-56, 13p, Jan. 2017.

#### **INTERNATIONAL CONFERENCE:**

1. U.Elakya, A.Bhuvaneshree, and P.Gajalakshmi " Study on the structural behavior of concrete encased steel composite members" 3<sup>rd</sup> International Conference on Earth science and Engineering (ICEE 2016) Vol. No.1, Issue No.1, pp.94-100, ISBN :978 – 93-5265-658-5, June 2016.
2. S.Aishwarya, K.Dakshayini and P.Gajalakshmi "Experimental investigation on the behavior of Bagasse ash reinforced concrete structural Members" 3<sup>rd</sup> International Conference on Earth science and Engineering (ICEE 2016) Vol. No.1, Issue No.1, pp.62-68, ISBN :978 – 93-5265-658-5, June 2016.
3. Sessa Sayee.V, Bharat Kumar.B.H, Gajalakshmi .P "Influence of fly ash on durability and performance of concrete" 3<sup>rd</sup> International Conference on Earth science and Engineering (ICEE 2016) Vol. No.1, Issue No.1, pp.99-105, ISBN :978 – 93-5265-658-5, June 2016.
4. M.S. Haji Sheik Mohammed and G.M. Samuel Knight (2016), "Influence of Coating Damage on Performance of Coated Rebars under Accelerated Corrosion Conditions", International Conference and Expo on Corrosion (CORCON 2016), RC-15, NACE International India Section, Delhi,
5. S. Shafeer Ahamed, R. Harrish and M.S. Haji Sheik Mohammed (2016), "Influence of Nitrite Based Corrosion Inhibitors on Strength and Durability Properties of Sulphate Resisting Cement Mortar", International Conference and Expo on Corrosion (CORCON 2016), PP-08, NACE International India Section, Delhi.
6. V.Pavithra and P.Elangovan"Experimental Investigation of Concrete using EPS Beads and Silica Fume" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.97 14-16 March 2017.

7. B.Indhu, S.Aishwarya and K.Yogeswari "Factors Affecting Time Overrun in Construction Industry: An Empirical Study on Delay Management", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17) 14", pp.98-106 March 2017.
8. R.Moorthy and M.V.Molykutty "Energy Efficient Roofing Material – An Experimental and Simulation Study", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.99,14-16, March 2017.
9. SK. Subhani, Shareef and E.Rasul Mohideen "Urban Sprawl Studies for Vijayawada city using Remote Sensing Data", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.100, 14-16, March 2017.
10. Mahmad Raphiyoddin Shaphiyoddin Malik and E.Rasul Mohideen, " Optimization of Electricity Production and Reduction of Air Pollution Using Weighted Grey Wolf Optimizer Algorithm", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.102,14-16, March 2017.
11. Ahmed Abdul Ahad, S.Raghavendran and M.S.Haji Sheik Mohammed, " Optimization of PSWC Bars for Enhanced Flexural Performance of RCC Beams", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.108,14-16, March 2017.
12. Pamila Ramesh, Padmaja Megham and Vasanthi Padmanabhan, " Bio Sorption of Heavy Metals from Aqueous Solutions Using Adsorbents Derived from Waste Biomass", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.110,14-16 March 2017.
13. R.Ganesh Shankar, P.Gajalakshmi and R.R. Senthilkumar, "An Experimental Investigation on the Fresh and Hardened Properties of Fly Ash Based Glass Fibre Reinforced Geopolymer Concrete", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.111,14-16 March 2017.
14. M.Ajona and Vasanthi Padmanabhan, " Influence of Oil Contamination on Geotechnical Properties of Soil" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.112, 14-16 March 2017.
15. Anitha.M and K.Yogeswari, "Field study of thermal comfort in naturally ventilated class rooms in hot humid climate – a case study of Chennai" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.112, 14-16 March 2017.

16. V.Roopa, M.Abirami and M.S.Haji Sheik Mohammed,“ Study on Cementations Composites for Ferrocement Panel Construction for Use in Secondary Roofing” International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), pp.113 ,14-16 March 2017.
17. C.Hemalatha and M.S.Haji Sheik Mohammed, “Study on PSWC Bars for Improved Flexural Performance of R.C.C. Beams”, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), pp.114, 14-16 March 2017.
18. N.Maharajan, K.Kanmani and M.V.Molykutty “ An Approach to Process and Classify Sar Image from Raw Data” International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), pp.116 ,14-16 March 2017.
19. M.Ayisha Sidiqia, and Y. Ibrahim “Review on Phenol Degradation Using Aops”, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), pp.117 ,14-16 March 2017.
20. V.Karpagam “Application of Multivariate Statistical Techniques in the Assessment of Groundwater Quality in Chrompet Industrial Area, Chennai. International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), Pp.117,14-16 March 2017.
21. P.M.Shanmuga Priya “Out of Plane Free Vibration of Curved Beams with Variable Curvature Using DTM” International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17) ,pp.118,14-16 March 2017.
22. Kamalnath.R, and S.K.Vinu “Analytical Investigation on Buckling Behavior of Castellated Column”, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), pp.118, 14-16 March 2017.
23. N.Maharajan, K.Kanmani, J.Asif Raja and N.Abdul Hakim “Crowd Sourced Mobile GIS System for E-Governance”, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17) pp.119, 14-16, March 2017.
24. Venugopal.G and S.K.Vinu “ Analytical Investigation of Delta Beam”, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17) ,pp.120, 14-16 March 2017.
25. S.Ganesh Aravind and V.Karpagam “Experimental Study on Ferrocement Slabs”, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE’17), pp.121,14-16 March 2017.
26. Y.Ibrahim, K.Harish, A.K.Faizal Ahmad Zaid and M.Ayisha Sidiqia “Study on Partial Replacement of Fine Aggregate by Using Tannery Sludge in Concrete”

- International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.122, 14-16 March 2017.
27. K.Jagadeesh And T.Affam Abdulla "Analysis of thermal performance of layered roofing material concept (LRMC) with simulation softwares" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.122, 14-16 March 2017.
  28. Kandhaguru.R and S.K.Vinu "Analytical Investigation on Flexural Behavior of Castellated Beam" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.123 ,14-16 March 2017.
  29. D.Goutham and G.Priyanth "An Investigation on Infrastructure Performance Evaluation of Chennai Metro Rail", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.124,14-16 March 2017.
  30. K.Jagadeesh and J.Ravina Jeyanthi " Post Occupancy Evaluation in Green Building", International Conference on Innovative Technologies for Sustainable Build Environment (ITSBE'17), pp.125, 14-16 March 2017.
  31. K.Jagadeesh and R.Sruthi " Thermal Performance of Buildings in Warm Humid Climatic Region – A Case Study of Residential Buildings in Chennai" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.126,14-16 March 2017.
  32. J.Mohamed Musthafa and Dr.K.Yogeswari "Mitigation of Noise Pollution a Critical Review" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.126 ,14-16 March 2017
  33. R.Baalamurali, V.Vandhana Devi and P.Vasanthi "Energy audit for B.S.Abdur Rahman Crescent University, Vandalur" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17) ,pp.127,14-16 March 2017.
  34. S.Bharathi and G.Priyanth "Delay Analysis and study of Time Management Tools Used in high Rise Building", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17) pp.128 ,14-16 March 2017.
  35. S.Rahman, A.Salman Khan, K.Rizwan Ali, S. Yunus Mohamed, P.Gajalakshmi and P.Vasanthi "Study on Engineering Properties of Stabilized Expansive Soil", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.129, 14-16 March 2017.
  36. M.Ayisha Sidiqua, Y.Ibrahim and Ahmed Sheedh "Treatment of Tannery Effluent using Water Melon and Moringa Oliefera Seed", International Conference on

- Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.129, 14-16 March 2017
37. S.Shafeer Ahamed, S.Sowmiya Sadhana, Suman Naaz Shaikh "A Study on Influence of Corrosion Inhibitor on Basic Properties of Cement", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.130 ,14-16 March 2017.
  38. S.Akbar Basha, Saurav SadhuKhan, Vishnu Priya ST, Shaik Noor Ahamad and Shaik Mohammed Mansoor "Experimental Investigation of the Influence of Cement and Coconut Coir on the Compressive Strength of Rammed Earth", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17),pp.131,14-16 March 2017.
  39. Govintharaj .SNR and A.K.Kaliluthin "An Experimental Investigation on RC Exterior Beam Column Joint with Inclined Stirrups" International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.131, 14-16 March 2017.
  40. S.Mahalakshmi, J.Revathy and Abdul Razack .A.K "Analysis of HVFA Fibre Reinforced Concrete Pavement Usingkenpave" Innovative Technologies for Sustainable Built Environment (ITSBE'17), pp.132, 14-16 March 2017.
  41. Monisha.R and Vasanthi Padmanabhan "Corrosion Protection of Concrete Piles in Marine Environment – A Review" Innovative Technologies for Sustainable Built Environment (ITSBE'17) pp.133,14-16 March 2017.
  42. B.Dheepika and Vasanthi Padmanabhan "Study to Reduce Traffic", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17),14-16 March 2017
  43. N. Mohammed Rayyan, C. Jeelan Basha and M.S. Haji Sheik Mohammed (2016), "Performance Study on Ternary Blended Self Compacting Concrete for Use in Repair Works", Structural Engineering Convention (SEC 2016), SEC-792, CSIR-Structural Engineering Research Centre, Chennai.
  44. V. Roopa, M. Abirami and M.S. Haji Sheik Mohammed (2017),"Study on Cementitious Composites for Ferrocement Panel Construction for Use in Secondary Roofing", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), P-113, B.S. Abdur Rahman University, Chennai.
  45. C. Hemalatha and M.S. Haji Sheik Mohammed (2017), "Study on PSWC Bars for Improved Flexural Performance of R.C.C. Beams", International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), P-114, B.S. Abdur Rahman University, Chennai.



46. K. C. Vinu Prakash and V. Vandhana Devi presented a paper titled Carbon Footprint Analysis in SRM University, International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE'17), 14-16 March 2017.

**NATIONAL CONFERENCE:**

1. Vinu.S. K, "Investigation of RCS Beam Column Joint" in the National Conference on Recent trends on Civil Engineering Research, 2016 held at New Prince Shri Bhavani College of Engineering and Technology
2. Balasubramani .P, Govintharaj.SNR, Sadam Hussain.B and Mr.Kaliluthin.A.K "Non – linear analysis of reinforced concrete beam column joint" National conference on recent advances in civil engineering Vol.1, No.1, pp.80, 18 March 2016.
3. Vignesh .C.K, Sivararanjan.D, and Dr.J.Revathy "Adaptive Neuro – Fuzzy inference system for FRP Strengthened PSC Beam" National Conference on Emerging Technologies in Engineering (NRCETE – 16), pp.1-4, 23 April 2016.
4. Sarath Kumar.S and Dr.J.Revathy "Analytical study on the structural performance of beam with hybrid fiber reinforced concrete" National Conference on Emerging Technologies in Engineering (NRCETE – 16), pp.18-22, 23 April 2016.
5. Pavithra .P, Sudha .R and Dr.J.Revathy "Non – linear finite element concrete filled FRP tubular beams" National Conference on Emerging Technologies in Engineering (NRCETE – 16), pp.57-61, 23 April 2016.
6. K.R.Dheepan and Dr.P.Vasanthi "Experimental study of bubble deck slab using poly propylene balls", National conference on Materials & Technology for Sustainable Infrastructure, Vol. No.1, pp. 127-133, April 2016.
7. C.Hemalatha and P.Sudarshan "Behavior of bolt arrangement on steel plate strengthened reinforced concrete beams", National conference on Recent Trends in Civil Engineering Research, June 2016.

**DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index**

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

<b>Authors as appeared in the publication</b>	<b>Publication Title</b>	<b>Journal Title</b>	<b>Volume No</b>	<b>Issue No</b>	<b>Page Nos</b>	<b>Month &amp; Year of Publication</b>	<b>Impact Factor of the Journal</b>
<b>A.K.Kaliluthin</b> S.Kothandaraman,	Performance Evaluation of Exterior Beam-Column Joint with Core Reinforcement Technique Subjected to Reverse Cyclic Loading	Arabian Journal for Science and Engineering	-	-	-	<b>2017</b>	<b>: 0.728</b>
P.Gajalakshmi, K.Sriram, U.Elakya	Behaviour of Interior beam column joint with FRP wrapping	Asian Journal of Civil Engineering,	17	No. 08	pp. 1151 - 1166	2016,	0.499
Sanju, S.Sharadha and J.Revathy,	Performance on the study of Nano materials for the development of sustainable concrete	International Journal of Earth science and Engineering,	9	3,	294-300	June 2016.	0.17
Vignesh.C.K, Sivaranjan.D and J.Revathy	Structural response of FRP strengthened PSC beams	International Journal of Earth science and Engineering,	9	3	353-359	June 2016.	0.17
Sarathkumar.S, Sivachidambaram.M and J.Revathy	Experimental study on the structural performance of composite beam with J-hook connectors	International Journal of Earth science and Engineering,	9	3	335-346	June 2016.	0.17
K.Parthasarathy, K.Vivekanandan, and P.M.Shanmuga Priya	A case study approach for evaluation of skill development training workshops for school teachers	Journal of advances in Management IT & Social Sciences	6	9	21-42	Sep 2016	4.282

U.Elakeya, A.Bhuvaneshri and P.Gajalakshmi	Study on the structural behavior of concrete encased steel composite members	International Journal of Earth science and Engineering,	9	3	323 – 329	June 2016.	0.17
V. Sashasayee.B, Bharat Kumar.B and P.Gajalakshmi	Influence of fly ash on durability and performance of concrete	International Journal of Earth science and Engineering,	9	3	341 – 346	June 2016.	0.17
S.Aishwarya, K.Dakshayini and P.Gajalakshmi	Experimental Investigation on the behavior of Bagasse ash reinforced concrete structural members	International Journal of Earth science and Engineering,	9	3	203 – 207	June 2016.	0.17

#### SPONSORED RESEARCH (ONGOING)

SL No	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr.Gajalakshmi.P & Dr.Revathy.J	Ministry of Earth Sciences, New Delhi	Seismic Performance of FRP Confined Steel tube in-filled Concrete Columns.	29.10 Lakh	Ongoing

#### SPONSORED RESEARCH APPLIED

1.	Dr.M.S. Haji Sheik Mohammed, Dr.S.Beer Mohammed Syed Ali & Dr.U.Sabura Banu	DST – SERB, NewDelhi	Investigation on PSWC (Plain surface with wavy configuration) bars for improved structural & durability performance of Reinforced concrete Elements	30.45 Lakh	Applied
2.	Dr. M. V. Molykutty, Professor, Mr. N. Maharajan, Ms. K. Kanmani	MOEF, NewDelhi	Application of SAR Polarimetry for classifying plantation species within	18.88 Lakh	Applied

			a forest ecosystem.		
3.	Dr. Revathy.J & Dr.Gajalakshmi.P	BRNS, Mumbai	Dynamic Assessment of corrosion damaged RC beams retrofitted with fiber reinforced composites.	34.0 Lakh	Applied
4.	Dr.Gajalakshmi.P & Dr.Revathy.J	CSIR, New Delhi	Seismic Performance of FRP Pultruded Beam-Column Joint.	11.00 Lakh	Applied
5.	Dr. V. Vandhana Devi	MOEF, NewDelhi	A study on the environmental consequences and management of Urapakkam Urban Sprawl ' A Case study near Chennai Metropolitan city	37.18 Lakh	Applied
6.	Dr. V. Vandhana Devi and Dr. K.Yogeswari	DST-SERB, NewDelhi	Eco-Symbiotic and Decentralized approach for Municipal Solid Waste Management in Tambaram Municipal Area, Tamil Nadu	48.49 Lakh	Applied
7.	Mr. N.Maharajan, Assistant Professor, Ms. K. Kanmani, Assistant Professor Dr. M. V. Molykutty, Professor	NRDMS, NewDelhi	Assessment of forest fire and forest degradation by fuel model and soil moisture anomalies interpreted using RISAT data.	36.02 Lakh	Called for presentation and result awaited.

#### **A. International Proposal (Applied)**

**Dr. M.S. Haji Sheik Mohammed** (BSACU) along with Prof. Ravindra Gettu and Dr. Radhakrishna G. Pillai (IIT Madras) as Indian Partners along with 11 European Union partners (with University of Leeds as the Co-ordinator) applied for a joint project proposal titled "A multi-functional Self-sensing Cementitious Composite System for Enhancing the

Durability & Service Life of Concrete Structures in Extreme Environments (SELSENCOM) - A HORIZON 2020 proposal worth **98.93 Lakhs** for funding under "EU - India Co-funding Mechanism for Research & Innovation Co-operation" of Department of Science & Technology. **(October 2016)**

#### B. Project Completed (Internal Funding)

SL No	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. M.S. Haji Sheik Mohammed, Professor Dr.P.Vasanthi, Professor, Mr.S.Shafeer Ahamed, Ms.V.Roopa, Assistant Professor,	B.S Abdur Rahman University	Affordable Housing using GFRG (Glass Fibre Reinforced Gypsum) Panels	5.5 Lac	Completed April - June 2016

#### SPONSORED WORKSHOP (SANCTIONED)

SL No.	Convenor	Funding Agencies	Workshop Title	Amount (Rs)	Status
1.	Dr. M.S. Haji Sheik Mohammed	Structural Engineering Research Board (SERB)	Impact of Climate Change on Durability of RCC Structures	50,000	Sanctioned
2.	Dr. M.S. Haji Sheik Mohammed	Indian National Science Academy	Impact of Climate Change on Durability of RCC Structures	30,000	Sanctioned
3.	Dr. V. Vandhana Devi	Structural Engineering Research Board (SERB)	Urban Disasters- Nature's fury or Human Negligence	1,00,000	Sanctioned
4.	Dr.P.Vasanthi	Structural Engineering Research Board (SERB)	International Conference on "Innovative Technologies for Sustainable Built Environment (ITSBE'17)"	1,00,000	Sanctioned
5.	Dr.P.Vasanthi	Indian National Science Academy	International Conference on "Innovative Technologies for Sustainable Built Environment (ITSBE'17)"	30,000	Sanctioned

## MAJOR EQUIPMENT PURCHASED

- Total Station and GPS of Rs. 8.3 Lac was purchased for Surveying laboratory.
- Marshall's Stability Apparatus, Ductility Testing Machine, Bitumen Extractor/ Centrifuge Extractor was purchased for Rs 1.60 Lac for Concrete and Highway Lab
- Air Quality sampler worth Rs. 1 lakh was purchased for Environmental Engineering laboratory.
- Computer lab is equipped with Quanta 12V-65AN Battery of Rs. 70,990.00.
- Minor equipment's are purchased for Structural Engineering Lab, Construction Material Lab, Strength of Materials Lab, Concrete and Highway Lab, Geotechnical Engineering Lab, GIS & Remote Sensing Lab, Environmental Engineering Lab and Survey Lab to enhance the research in the laboratories.

## PATENTS APPLIED

- Dr. M.S. Haji Sheik Mohammed, Dean, SOI, Mr. Muhammad Uzair Dulvi, Mr. Mir Hasnain Ali Razvi and A. Mohamed Asir (Final year B. Tech. students) filed a provisional application for grant of patent for their innovation titled "Innovative Thermal Insulation Technique for Flat Roofs". (March 2017)

## FACULTY INTERNSHIP

Sl. No	Name of Faculty with Designation	Duration of Summer Internship	Name of Industry/ Organization
1	Ms.S.Booma (Assistant Professor)	One Week (18 <sup>th</sup> - 24 <sup>th</sup> July 2016)	Mapspace Consulting Pvt.Ltd. Ambattur, Chennai-53.
2	Mr.Y.Ibrahim (Assistant Professor)	Two Weeks (10 <sup>th</sup> -24 <sup>th</sup> July 2016)	Clar Aqua Pvt.Ltd Chennai-83.
3	Mr.S.Akbar Basha (Assistant Professor- SG)	10 Days (21 <sup>st</sup> -30 <sup>th</sup> July 2016)	Engineering Project management Consultancy and Research Pvt.Ltd. New Perungalathur, Chennai-63.
4	Mr.D.Mohammed Shahnavaz (Assistant Professor- SG)	10 Days (21 <sup>st</sup> -30 <sup>th</sup> July 2016)	Engineering Project management Consultancy and Research Pvt.Ltd. New Perungalathur, Chennai-63.

## ACHIEVEMENTS OF STAFF

- Dr. M.S. Haji Sheik Mohammed, Dean, SOI (as Project Head), Dr. Vasanthi Padmanabhan, HOD, Civil Engg. (as Advisor), Ms.V. Roopa, Asst. Prof. and Mr. S. Shafeer Ahamed, Asst. Prof. (as Co-ordinators) along with B.Tech. Students

Mr. N. Mohammed Rayyan, Mr. C.Jeelan Basha (Final Year), Mr. Muhammad Uzair Dulvi and Mr. Mir Hasnain Ali Razvi (III year) involved in the Construction of Affordable Housing using GFRG (Glass Fibre Reinforced Gypsum) Panels under Rapid Wall Construction Technique in the BSAU Campus. The 550 sq.ft. Model house was successfully completed in 45 days at a cost of Rs. 5.50 lakh. (June 2016)

- Dr. M.S. Haji Sheik Mohammed, Dean, SOI received the Best Paper Award in the RCC Symposia of International Conference & Expo on Corrosion (CORCON 2016) organized by NIGIS, Delhi. (September 2016)
- Dr. M.S. Haji Sheik Mohammed, Dean, SOI acted as the Chair person of Reinforced Concrete - II in the RCC Symposia of International Conference & Expo on Corrosion (CORCON 2016) organized by NIGIS, Delhi. (September 2016).
- Dr.M.V.Molykutty acted as a panel member in the debate on Urban Disasters - Nature's Fury or Human Negligence? in the SERB Sponsored National Workshop on "Urban Disasters - Nature's Fury or Human Negligence? organised by B.S.Abdur Rahman University, Chennai during 19-24, September, 2016.

#### **ACHIEVEMENTS OF STUDENTS**

- N. Sathish Kumar, II Year Civil Engineering has been awarded the Star of India in the 62 nd Junior National Ball Badminton Championship at Goleti Township, Telenganna from 08.02.2017 to 12.02.2017.
- Mohammed Javeed, S.Sanju, S.Sharadha, J.Revathy received a Best Paper Award for the paper entitled on "Influence of Nano Particles on the Properties of Concrete" in the National Conference on Challenges of Civil Engineering Innovations (NCCCEI-2016), organized by Sri Venkateshwara College of Engineering, 4th – 5th May 2016.
- S.Sanju, S.Sharadha, J.Revathy received a Best Paper Award for the paper entitled on "Performance on the Study of Nano Materials for the Development of Sustainable Concrete" in the 3rd International Conference on Earth Sciences and Engineering organised by Nehru Institute of Technology (NIT), Coimbatore and Cafet Innova Technical Society (CITS), Hyderabad, 17 -18 June 2016.
- C.K.Vignesh, D.Sivaranjan, J.Revathy received a Best Paper Award for the paper entitled on "Structural Response of FRP Strengthened PSC Beams" in the 3rd International Conference on Earth Sciences and Engineering organised by Nehru Institute of Technology (NIT), Coimbatore and Cafet Innova Technical Society (CITS), Hyderabad, 17 -18 June 2016.

- Elakeya U, Bhuvanesh Sre A, P.Gajalakshmi received a Best Paper Award for the paper entitled on “Study on the Structural Behavior of Concrete Encased Steel Composite Members” in the 3rd International Conference on Earth Sciences and Engineering organised by Nehru Institute of Technology (NIT), Coimbatore and Cafet Innova Technical Society (CITS), Hyderabad, 17 -18 June 2016.
- The project proposal on "Innovative Thermal Insulation Technique for Flat Roofs" by Mr. Muhammad Uzair Dulvi, Mr. Mir Hasnain Ali Razvi and A. Mohamed Asir (Final year B. Tech. students) has been awarded funding to the tune of Rs.15,000/- from Innovation Centre, B.S. Abdur Rahman University during February 2017. (Mentor : Dr. M.S. Haji Sheik Mohammed, Dean, School of Infrastructure)
- Mr. V.R. Rathish, M.Tech. Structural Engineering student awarded sixmonths project internship at Indira Gandhi Centre for Atomic Research (IGCAR ), Kalpakkam

#### **DEVELOPMENTAL ACTIVITIES**

- National Board on Accreditation (NBA) visited Department of Civil Engineering in connection with Accreditation of B.Tech Civil Engineering and awarded accreditation for three years.
- National Board on Accreditation (NBA) visited Department of Civil Engineering in connection with Accreditation of M.Tech Construction Engineering and Project Management during April 15-17, 2016 and was accredited for 2 years.
- Computer lab is equipped with Quanta 12V-65AN Battery of Rs. 70,990.00.
- Minor equipment's are purchased for Structural Engineering Lab, Construction Material Lab, Strength of Materials Lab, Concrete and Highway Lab, Geotechnical Engineering Lab, GIS & Remote Sensing Lab, Environmental Engineering Lab and Survey Lab to enhance the research in the laboratories.

#### **INDUSTRY / INSTITUTE COLLABORATION**

- Department of Civil Engineering involved in joint research work on “Experimental Studies on Nanophase Modified High Performance Concrete” with Indira Gandhi Centre for Atomic Research (IGCAR). Collaborators: Dr. M.S. Haji Sheik Mohammed, Professor, BSAU and Dr. Rani P. George, Head, SM & CS, IGCAR.



- Department of Civil Engineering commissioned Atmospheric Exposure Test Panels at Central Institute for Brackish Water Aquaculture (CIBA) at their field station at Muttukadu, Chennai to conduct real time corrosion studies. (Mentors : Dr. M.S. Haji Sheik Mohammed, Professor & Dr. Vasanthi Padmanabhan, Professor)

- Industry Institute meet was held on 22<sup>nd</sup> October 2016 in the Department of Civil



Industry Institute Workshop held on 22<sup>nd</sup> October  
like  
M/S

2016

Engineering,  
B.S.Abdur  
Rahman  
University,  
Chennai.

Around 14  
delegates from  
various  
organizations  
L & T Pvt Ltd ,  
Clara Aquq

attended the meeting and offered suggestion on curriculum improvement and for better interaction with the industry.

- A consultative meeting was organized on 19<sup>th</sup> Jan 2017 at the Seminar Hall, Civil Engineering Department with eminent persons from industries to receive suggestions regarding modifications / additions/ deletions to be made in the existing B.Tech Curriculum.

## SOCIETY ACTIVITIES

SL.NO	DATE	NAME OF THE SOCIETY ACTIVITY
1	02.04.2016	Guest Lecture on Arbitration: <b>An effective mode of resolving construction disputes.</b>
2	11.04.2016	Soil Investigation Camp visit to Akkarai, <b>ECR Private Beach House for conducting Standard Penetration Test(SPT) for two Points.</b>
3	08.09.2016	Guest Lecture on “ <b>Non-destructive tests and sensors for assessing the durability of concrete</b> ” by <b>Prof. Muhammed Basheer</b> , Chairperson in Structural Engineering, University of Leeds, UK.
3	15.09.2016	Inauguration of Society of Civil Engineers and a keynote Address <b>Er.Radhakrishnan</b> , Former President of National Builders Association.
4	06.10.2016	Guest Lecture on “ <b>Durability of RCC structures: Current issues and probable solutions</b> ” by <b>Dr.M.S.Haji Sheik Mohammed</b> , Dean (School of Infrastructure).
5	02.11.2016	Guest Lecture on “ <b>Lake and Water bodies in Chennai – Lost &amp; Endangered</b> ” by <b>Ms. Sudha Umashankar</b> (Journalist and Social Activist).
6	02.11.2016	Guest Lecture on “ <b>Research Forum</b> ” by <b>Dr.K.P.Jaya</b> , Professor, Structural Engineering Division, CEG, Anna University, Chennai.
7	04.11.2016	Industrial Visit for IV year Students to <b>Sathanur Dam, Tiruvannamalai.</b>
8	08.02.2017 To 12.03.2017	Survey Camp for III year (A, B, & C) section Students to Yelagiri.
9	06.03.2017 07.03.2017	Industrial Visit for IV year students (A & B) to <b>Auroville, Pondicherry.</b>
10	11.03.2017	Guest Lecture on “ <b>Feasibility Study of Mega Infrastructure Projects</b> ” by <b>Er.Nithyanandan</b> , Proprietor/Trainer, Dream Factory Consultants, Chennai.
11	22.03.2017	Inauguration of Eco-Club and Celebration of UN World Water Day. <b>Guest Lecture on “Role of Youth on Conservation of Environment”</b> by <b>Dr.S.Balaji</b> (IFS), Principal Chief Conservator of Forest (Retd).
12	24.03.2017 25.03.2017	National Level Technical Festival ( <b>Crestech-2017</b> ), the event conducted was <b>CADD Modelling, and Connexion.</b>



**Guest Lecture on “Non-destructive tests and sensors for assessing the durability of concrete” by Prof. Muhammed Basheer, Head of the Civil Engineering from University of Leeds, UK, on 08.09.2016.**



**Inauguration of Society of Civil Engineers, Student Chapter of American Society of Civil Engineers (ASCE), and Indian Concrete Institute(ICI) on 15.09.2016**



**Guest Lecture on 'Day Lighting Aspects for Energy Efficient Buildings' by Prof Dr Azni Zain Ahmed, Asst Vice Chancellor, UITM, Mara, Malaysia.**





National Level Technical Festival (**Crestech-2017**) held during **24.03.2017 & 25.03.2017**, the staff and student coordinators conducted the **CADD Modelling, and Connexion** event for the participants from various institutions.

### CONSULTANCY ACTIVITIES

The department has generated an amount of Rs.2.00 lakhs. by executing repair & rehabilitation consultancy, material testing works, Design and validation of STP, surveying works for various Government, semi-Government and private agencies. The faculty involved in the consultancy are Dr. M.S. Haji Sheik Mohammed, Dr. Vasanthi Padmanabhan, Dr. V. Vandhana Devi, Mr. A.K. Kaliluthin, Mr Akbar Basha, Ms Ayesha, Mrs Kanmani, Mr. S. Shafeer Ahamed, Mr. N. Maharajan, Ms. V. Roopa, Mr. K. Jagadeesh and Mr. Y. Ibrahim.

### IMPORTANT VISITORS

Date	Name of Event	Visitor Name	Affiliation
21/4/16	Impact of Climate change on durability of RCC Structures	Dr.P.Paramasivam	Professional Fellow, National University of Singapore
21/4/16	Impact of Climate change on durability of RCC Structures	Dr.Ravindra Gettu	Professor, IIT Madras

20/4/16	Impact of Climate change on durability of RCC Structures	Dr.Manu Santhanam	Professor, IIT Madras
20/4/16	Impact of Climate change on durability of RCC Structures	Dr.K.Palanivelu	Director Centre for Climate Change, Adaptation Research, Anna University
20/4/16	Impact of Climate change on durability of RCC Structures	Dr.Radhakrishna G.Pillai	Asst Professor, IIT Madras
22/4/16	Impact of Climate change on durability of RCC Structures	Dr.Sachin S.Gunthe	Asst Professor, IIT Madras
22/4/16	Impact of Climate change on durability of RCC Structures	Mr.Ramanathan	DGM, Dalmia Cements
23/4/16	Impact of Climate change on durability of RCC Structures	Dr.V.Rajendran	Director, Hi Tech Concrete, Chennai
20/4/16	Impact of Climate change on durability of RCC Structures	Ms.Sunitha.K.Nayar	Women Scientist, IIT Madras
13/4/16	One day workshop on Concrete Technology	Mr.Venkataraman, Mr.Vijayakumar, & Ms.Nishantini	Ultra Tech Cement Ltd, Chennai
08/09/16	Guest Lecture on “Non Destructive tests and sensors for assessing the durability of Concrete”	Prof.Muhammed Basheer	Chair in Structural Engineering, University of Leeds, UK
19/9/16	National Workshop on urban disasters – Nature’s fury or Human Negligence?	Dr.R.Nagendran	Professor, Center for Environmental Studies, Anna University
22/10/16	Industry Institute Meet – 2016	Mr.A.Rajan	President, Sharp Forum
02/11/16	Guest Lecture on “Lake and Water Bodies in Chennai – Lost and Endangered”	Ms.Sudha Umashankar	Journalist and Social Activist
02/11/16	Guest Lecture organized by Society of Civil Engineers and Research Forum	Dr.K.P.Jaya	Professor, Structural Engineering

			Division, CEG, Anna University.
10/02/17	Guest Lecture on Climate Change, Green Technology and Sustainable Development	Dr.Azni Zain Ahmed	Asst Vice Chancellor, University of Technology, Mara, Malaysia
11/3/17	Guest Lecture on “Feasibility Study of Mega Infrastructure Projects”	Mr.Nithyanandan	Proprietor/ Trainer Dream Factory consultants.
14/3/17	International Conference on Innovative Technologies for Sustainable Built Environment	Prof.Dr. Koh Chan Ghee	Director, Centre for Hazards Research, Department of Civil and Environmental Engineering, National University of Singapore (NUS)
14/3/17	International Conference on Innovative Technologies for Sustainable Built Environment	Prof. P Paramasivam	Visiting Research Professor, Department of Civil and Environmental Engineering National University of Singapore
14/3/17	International Conference on Innovative Technologies for Sustainable Built Environment	Mr.B. Suresh	CEO & Managing Director, Mahindra Consulting Engineers Limited, Chennai, India
14/3/17	International Conference on Innovative Technologies for Sustainable Built Environment	Prof. S.Kothandaraman	Professor, Pondicherry Engineering College, Pondicherry

## LECTURES DELIVERED BY FACULTY

- Dr.Vasanthi Padmanabhan delivered a lecture on “Durability and Protection of Foundations” in SERB sponsored national Workshop on Impact of Climate Change on Durability of RCC Structures (ICCRDS’16), April 2016.
- Dr. M.S. Haji Sheik Mohammed delivered a lecture on “Methods For Corrosion Protection of Steel Rebars in Concrete: Practical Issues and Eco Friendly Solution”, in SERB sponsored national Workshop on Impact of Climate Change on Durability of RCC Structures (ICCRDS’16), April 2016.
- Dr. M.S. Haji Sheik Mohammed delivered a lecture on "Durability of RCC Structures: Issues and Probable Solutions" organized by Association of Civil Engineers, Sri Sai Ram Engineering College, Chennai. (July 2016)
- Dr. M.S. Haji Sheik Mohammed delivered an invited lecture on "Overview of Coatings for Steel Reinforcement and Performance Evaluation Tests" in the National Workshop on Corrosion Control of Concrete Structures (C3S) organized by NACE International Gateway India Section (NIGIS) at IIT, Madras (August 2016).
- Dr.J.Revathy delivered a lecture on “Concrete Repair And Strengthening Techniques using Fibre Reinforced Polymer Composites ” in SERB sponsored national Workshop on Impact of Climate Change on Durability of RCC Structures (ICCRDS’16), April 2016.
- Dr.P.Gajalakshmi delivered a lecture on “Reinforcement Detailing For Durable Concrete Structures ” in SERB sponsored national Workshop on Impact of Climate Change on Durability of RCC Structures (ICCRDS’16), April 2016.
- Dr.Vasanthi Padmanabhan delivered a lecture on “Shallow Foundations”, at Aalim Muhammed Saleh College of Engineering, Chennai ( August 2016).
- Dr.Vasanthi Padmanabhan delivered a invited lecture on Geotechnical Investigation, Record Preparation & Foundation Recommendations – Case Studies” at Vels University, Chennai ( September 2016)
- Dr. M.S. Haji Sheik Mohammed delivered a guest lecture on "Durability of RCC Structures : Current Issues and Practical Solutions" organized by Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia - A Central University, New Delhi. (September 2016).
- Dr.J.Revathy delivered a lecture on “Concrete Day” at Aadhi College of Engineering, (September 2016)
- Dr.P.Gajalakshmi delivered a lecture on “Engineer’s Day” at Aadhi College of Engineering, (September 2016)

- Dr. M.S. Haji Sheik Mohammed delivered a guest lecture on "Durable RCC Structures: Issues and Practical Solutions" organized by Association of Civil Engineering, Kongu Engineering College, Erode. (March 2017).
- Dr.Vasanthi Padmanabhan delivered a lecture on "Impacts of poor urban Solid Waste Management, in SERB sponsored National Workshop on Urban Disasters - Nature's Fury or Human Negligence? during 19 - 24 September 2016.
- Dr. J. Revathy delivered a lecture on Structural behavior of buildings and other infrastructures- Perspectives of Urban disaster in SERB sponsored National Workshop on Urban Disasters - Nature's Fury or Human Negligence? during 19 - 24 September 2016.
- Dr. V. Vandhana Devi, Associate Professor, delivered a lecture on Urban Disasters - Context and PRRR Approach, in SERB sponsored National Workshop on Urban Disasters - Nature's Fury or Human Negligence? during 19 - 24 September 2016.
- Dr. M.V. Moly kutty, Professor delivered a lecture on Hazard, Vulnerability and Disaster Risk assessment - A discussion in SERB sponsored National Workshop on Urban Disasters - Nature's Fury or Human Negligence? during 19 - 24, September 2016. ( Co- Author: Mr.N.Maharajan, Assistant Professoer)
- Dr.P.Gajalakshmi delivered a lecture on "Enhancing seismic response of buildings with energy dissipation methods" in SERB sponsored National Workshop on Urban Disasters - Nature's Fury or Human Negligence? during 19 - 24, September 2016.
- Dr. K. Yogeswari, Associate Professor delivered a lecture on Guidelines and standards for collection of data for disaster management SERB sponsored National Workshop on Urban Disasters - Nature's Fury or Human Negligence?, during 19 - 24 September 2016.



## **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

- **New Programmes Started:** Nil
- **Value Added Programmes Started**
  - SAE aSOP (Automotive Students Orientation Program) has been inaugurated in October 2016 and it is an unique opportunity for students to become industry ready.
  - As a part of outcome based learning, two courses have been identified for project/activity based learning in every semester of undergraduate programmes and one course for post graduate programmes.
- **Training Programmes Offered:** Nil
- **Interdisciplinary Programmes Conducted:** Nil
- **Conferences / FDP / Seminars / Workshops Conducted**

S. No.	Name of the Coordinator	Name of the Programme	Venue	No of Days
1.	Dr. R. Sathish Kumar	FDP on Solid Mechanics	Dept. of Mechanical Engg. BSAU	20 <sup>th</sup> to 25 <sup>th</sup> June 2016
2.	Mr. N. Subramanian	One day shop event for Entrepreneurship	BSAU	01 <sup>st</sup> Sep 2016

- **Conferences / FDP / Seminars / Workshops Attended**

### 6.1. FDP/ Seminars/workshop Attended by Faculty Members

S.No	Name of the faculty Members	Name of the Programme	Venue	Date
1.	Dr. P.D. Jayakumar	FDP on Solid Mechanics	Dept. of Mechanical Engg. BSAU	20 <sup>th</sup> to 25 <sup>th</sup> June 2016 (6 days)
	Mr. V. Gunasegaran			
	Mr. D. Pradeep Kumar			
	Mr. D. Sathiya Narayanan			
	Mr. S. Loganathan			
	Mr. S. Rajarajan			
2.	Dr. R. Karunanithi	FDP on Engineering Thermodynamics	Dept. of Automobile Engg. BSAU	18 <sup>th</sup> to 23 <sup>th</sup> July 2016 (6 days)
	Mr. N. Subramanian			

S.No	Name of the faculty Members	Name of the Programme	Venue	Date
3.	Mr. D. Pradeep Kumar	Digital optimal measurements: Digital photo elasticity and digital correlation	Dept. of Applied Mechanics, IIT Madras	12 <sup>th</sup> to 17 <sup>th</sup> Sep 2016 (6 days)
	Mr. J. Mahashar Ali			
4.	Dr. M. Thirumurugan	Induction Training Programme	BSAU	Starting from 09 <sup>th</sup> Jan 2017 (7 days)
	Dr. R. Karunanithi			
	Dr. C. Prasad			
	Ms. Anjali Raja Chitra			
	Mr. M. Murugan			
	Mr. P. V. Rangarao			
	Mr. G. Rajesh			
	Ms. Nidhi Gupta			
5.	Mr. N. Subramanian	2 <sup>nd</sup> national seminar of free software movement of India	BSAU	26 <sup>th</sup> to 29 <sup>th</sup> Jan 2017
	Mr. S. Rajarajan			
	Mr. P. Dinesh			
	Ms. Anjali Raja Chitra			
6.	Dr. R. Rajaraman	Commercialization of intellectual property and quality assurance in higher education	BSAU	09 <sup>th</sup> Feb 2017
	Dr. S. Prince Arockia Doss			
	Dr. R. Rajendran			
	Dr. S. Rasool Mohideen			
	Dr. M.A. Sai Balaji			
	Mr. N. Subramanian			
	Mr. S. Rajarajan			
7.	Mr. N. Subramanian	Mobile App development using App inventor	BSAU	16 <sup>th</sup> to 17 <sup>th</sup> March 2017
	Mr. V. Gunasegaran			
	Mr. M. Balasrinivasan			
	Mr. Syed Shahul Hameed			
8.	Dr. R. Rajendran	Problem Solving in Automotive Industry	ACMA center, Chennai	30 <sup>th</sup> Jan 2016
9.	N. Subramanian	Workshop on Reverse Engineering	VIT University, Chennai	30 <sup>th</sup> Jan 2016
	D. Pradeep Kumar			
	M. Balasrinivasan			
	S. Jeavudeen			
	P. V. Rangarao			
10.	Md. Javeed Ahmed	National workshop on Porous Ceramics	Anna University	27 <sup>th</sup> to 28 <sup>th</sup> May 2016
11.	Dr. R. Sathish Kumar	TBI Master class Tiecon-2016 programme	VIT University, Chennai	01 <sup>st</sup> April 2016
	Mr. B. Surya Rajan			
12.	Dr. Naveed Hussain	One day course on	IIT MADRAS	09 <sup>th</sup> April 2016

S.No	Name of the faculty Members	Name of the Programme	Venue	Date
		Additive Manufacturing		
13.	Dr. R. Rajendran	IAL-Oronite Customer Seminar on “Luration”	Goa	22 <sup>nd</sup> to 24 <sup>th</sup> Feb 2016

### 6.2 Conferences Attended by Faculty Members

S. No	Author	Paper Title	Name of the Conference	Place	Date
1.	Mr. A. Varun Kumar Mr. M. Balasrinivasan	Grey relational analysis & Taguchi method for the parametric optimization of single pass friction stir welding aluminium alloy 7075-T6.	Mechanical Engineering Design	SSN College of Engineering, Chennai.	25 <sup>th</sup> – 26 <sup>th</sup> April 2016.
2.	Mr. D. Sathiya Narayanan	Dry sliding wear and micro structure of Stellite 6 coating processed by Powder Metallurgy (PM16-1444670714)	Powder metallurgy & Particulate Materials	Pune	18 <sup>th</sup> – 20 <sup>th</sup> Feb. 2016.
3.	Dr. R. Rajendran	Session Chairperson	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
4.	Dr. R. Rajaraman	Session Chairperson	International Conference on Advances in Materials, Manufacturing and Applied Sciences (ICAMMAS'17)	Chennai	March 2017

### 6.3. Conferences Attended by Students

S. No	Author	Paper Title	Name of the Conference	Place	Date
1.	Mr. M. Ananthasaravanan	Experimental Studies on Properties of steel based bi metal material	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
2.	Mr. M. Vignesh	Sliding wear	Heat	Chennai	12 <sup>th</sup> to 14 <sup>th</sup>

S. No	Author	Paper Title	Name of the Conference	Place	Date
		behavior of nitride cast iron against steel	Treatment and Surface Engineering		May 2016
3.	Mr. M. Shahul Hameed	Effect of load and sliding velocity on wear and coefficient of friction of Al/SiC and Al / Si <sub>3</sub> N <sub>4</sub> composites	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
4.	Mr. P. Ranjith	Tribological properties brake friction materials	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
5.	Mr. M. G. Rasheedur Rahaman	Effect of deep cryogenic treatment on tensile and fatigue behavior of EN19 steel	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
6.	Mr. Tanmoydey. N	Modal Analysis of Disk Brake System	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
7.	Mr. S. Darwin	Micro structural and wear properties of Stellite deposition by powder metallurgy process	Heat Treatment and Surface Engineering	Chennai	12 <sup>th</sup> to 14 <sup>th</sup> May 2016
8.	Mr. Pervaz Ahmed	Sliding wear behavior of cryogenic treated copper beryllium alloy	Mechanical Engineering Design	SSN College of Engineering, Chennai.	25 <sup>th</sup> & 26 <sup>th</sup> April 2016.
	Mr. Abdul Azeez				
9.	Mr. K. Radhakrishnan	Optimization Of Weld Parameters And Weld Bead Dimensions In	Mechanical Engineering Design	SSN College of Engineering, Chennai.	25 <sup>th</sup> & 26 <sup>th</sup> April 2016.



S. No	Author	Paper Title	Name of the Conference	Place	Date
		Welding Of 0.3%C-Cr-Mo-V Steel By GTAW Process			

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

National Conference	International Conference	National Journal	International Journal	Total
7	7	1	9	24

- **Details of Publication In National & International Journals & Conferences: (IEEE Format)**

**International Journal:**

1. T.R. Tamilarasan, R. Rajendran "Wear and Scratch Behaviour of Electroless Ni-P-nano-TiO<sub>2</sub>: Effect of Surfactants", Wear, 2016, 346-347, pp.148-157.
2. R. Sathishkumar, K. Sureshkumar "ManilkaraZapota (L.) Seed Oil: A new third generation biodiesel Resource", Waste and Biomass Valorization, 2016, 7(5), pp. 1115-1121.
3. A. Devarpiran, S. Beer Mohammed, A. ArunThangadurai, "Fabrication and Mechanical properties of fly ash filled natural fiber epoxy composite", International Journal of science and innovative engineering and technology, 2016, 1(1), pp. 6-12.
4. S. Rasool Mohideen, S. Thamizhmanii, M.M. Muhammed Abdul Fatah, W.Najmuddin, W. Saidin, "Numerical Fracture Analysis of Cryogenically Treated Alloy Steel Weldments", Materials Science and Engineering, 2016, 114, pp.1-16.
5. M. Pervaz Ahmed, H. Siddhi Jailan, "Sliding Wear Behavior of Cryogenic Treated Copper Beryllium Alloy", Applied Mechanics and Materials, 2016, 852, pp.391-396.
6. K. Radhakrishnan, V. Muralidharan, "Optimization of Weld Parameters and Weld Bead Dimensions in Welding of 0.3%C-Cr-Mo-V Steel by Gas Tungsten Arc Welding Process", Applied Mechanics and Materials, 2016, 852, pp.178-184.
7. M. Pervaz Ahmed, H. Siddhi Jailani, S. Rasool Mohideen, A. Rajadurai, "Effect of Cryogenic Treatment on Microstructure and Properties of CuBe<sub>2</sub>", Metallography, Microstructure and Analysis, 2016, 5(6), pp.528-535.
8. V. Muralidharan, V. Sugumaran, "SVM-based wavelet selection for fault diagnosis of monoblock centrifugal pump", Int. J. Data Analysis Techniques and Strategies, 2016, 8(4), pp.357-369.
9. Varun Kumar A, Balasrinivasan M, Mohammed Dulkiflee "Grey Relational Analysis and Taguchi Method for the Parametric Optimization of Single Pass Friction Stir Welded Aluminium Alloy 7075 - T6 Joints" Applied Mechanics and Materials, 2016, 852, pp. 331-336.

**National Journal:**

1. V. Muralidharan, V. Sugumaran, "A Comparative Study between Support Vector Machine (SVM) and Extreme Learning Machine (ELM) for Fault Detection in Pumps", Indian Journal of Science and Technology, 2016, 9(49), pp. 1-8.

**International Conference:**

1. C.K. Aravindapandian, K. Koppiahraj, H. SiddhiJailani, "Investigation and development of polymer composite incorporated natural fabrics – Jute and Linen", International conference on Advancements in Polymeric Materials, Feb 2016.
2. M. Pervaz Ahmed, Abdul Azeez, H. Siddhi Jailani, "Sliding wear behavior of cryogenic treated copper beryllium alloy", International Conference on Mechanical Engineering Design , Apl 2016.
3. S. Ravikumar, S. Gifflin, H.Kanagasabapathy, V. Muralidharan, "Vibration based fault detection and condition monitoring using Decision Tree Algorithm for Training carrying Idlers (TCI) in Belt- Conveyor System" International Conference on Mechanical Engineering Design, April 2016.
4. K. Radhakrishnan, V.Muralidharan, "Optimization of Weld Parameters And Weld Bead Dimensions In Welding Of 0.3%C-Cr-Mo-V Steel By GTAW Process", International Conference on Mechanical Engineering Design, Apl 2016.
5. S Thamizhmanii, Rasool Mohideen, Sulaiman, "Vertical Multi Roller Burnishing on Copper and Aluminum Metal" Proceedings of the World Congress on Engineering 2016, Vol 2, 2016.
6. B. Suryarajan, M.A. Saibalaji, C. Velmurugan, B. Vinoth, B. Selvaraj, "Tribo Performance Of A Na Disc Brake Pad Developed Using Two Types Of Organic Friction Modifier", Proceedings of the International Conference on Materials, Design and Manufacturing Process, Feb 2016, pp.1-8.
7. B. Surya Rajan, M.A. Sai Balaji, Sufiyan Sayeed, S. Sudheep , Shaik Rahemath Basha, "Fade and recovery behavior of brake pad developed using boron and furfurol modified friction dust", Materials Today Proceedings, pp. 1-9.

**• Details of Impact Factor of The Publication H-Index**

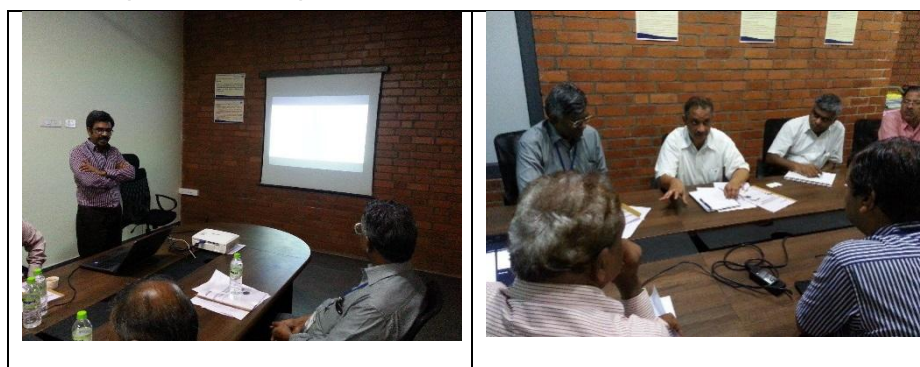
A	Range	0 to 2.6
B	Average	0.94
C	H-Index	9
D	No. In Scopus	7

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

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs.)	Status
1.	Mr. B. SuryaRajan	IDIN (USA)	Infant temperature Measuring & Monitoring (BABY TEMPIT)	Rs.1.05 Lakhs (\$1594)	Ongoing
2	Dr. M.A. Sai balaji	Department of Scientific and Industrial Research – Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM)	Commercialization of newly developed Prosopis Jiliflora bark fiber for Eco-friendly friction material (Brake pad/lining) applications	Rs. 19,85,000	Applied
	Dr. S. Rasool Mohideen				
	Mr. B.Suriyarajan				
3.	Dr. A.S. Selvakumar	SERB (DST)	Formability Evaluation for sandwich material using Hydroforming process	Rs. 30,63,600	Applied
	Dr. M.A. Sai balaji				
	Mr. S. Shanmugam				

- **Special Research Laboratories Created:**

- A team consisting of the following members visited BSA University and evaluated the Centre for Automotive Excellence in Surface Engineering on 18-05-2016 between 3.00 pm and 5.45 pm.



- **Committee members:**

- Mr S. Selvamani, Mentor – NPDC, ACM Association,
- Mr. S. Shanmugam Director, Design Desk India Pvt. Ltd.,
- Dr. Rajadurai, Professor & Dean, Madras Institute of Technology,
- We have been approved as SAEINDIA Centre for Automotive Excellence in Surface Engineering to focus on surface characterisation and performance evaluation in research.

- **Major Equipment Purchased:**

- CMOS Camera – Rs. 4.5 lakhs - Supplier: on line solutions, Singapore

- **Book Published:** Nil

- **Patents (Obtained / Applied)**

S. No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1.	Heat Treatment Method for Mg-Zn-Cu Alloy and Composites	Dr. H. Naveed Hussain	Application No. 201641029056	-	India	Applied
		Dr. S. Beer Mohammed				
		Dr. R. Rajendran				
2.	Dry mixing machine and method of mixing for friction materials	Mr. B. Suryarajan	Application No.201641009076	-	India	Applied
		Dr. M.A. Saibalaji				
		Mr. Javeed Ahmed				

- **International Visits By Students**

- Three students from Curtin University of Technology, Australia, have undergone three months internship program.
- Two students from University Technology Mara (UiTM), Sarawak, Malaysia have undergone a short term course on design of agricultural equipment's under student exchange program.

- **Faculty Internships**

S. No.	FACULTY NAME	INDUSTRY	DURATION
1.	Mr. D. Pradeep Kumar	Sundaram Fasteners Ltd. Chennai.	1 Month
2.	Mr. S. Rajarajan	India Pistons, Sembiam, Chennai.	1 Month
3.	Mr. M.A. Sai Balaji	Sarda Industrial Enterprises, Jaipur.	1 Week
	Mr. B. Surya Rajan		
4.	Mr. M. A. Sai Balaji	Indian Friction Material Engineering Company, New Delhi.	10 days
	Mr. B. Surya Rajan		

- **Achievements of Staff**

- Three faculty members have successfully completed their doctorate programmes

S. No.	Faculty Name	University

1.	Dr. T.R. Tamilarasan	B.S.Abdur Rahman University
2.	Dr. Arockia Julias	Anna University
3.	Dr. C. Prasad	Indian Institute of Technology Madras

- Mr. N. Ravi Kumar, Assistant Professor, was one of the resource persons for the workshop conducted by Maharaja Institute of Technology, Coimbatore on 23<sup>rd</sup> March 2016.
  - Dr. R. Rajaraman, Professor has been nominated as PG curriculum revision member by Anna University, Chennai.
  - Dr. R. Rajendran, Professor has been nominated as SAEINDIA Southern Section management committee member for the term 2016-2018 on March 2016. He will be responsible for KRT Enablement, KRT Trek, Center for Automotive Excellence and Faculty to Industry Training.
  - Dr. R. Rajendran Professor, inaugurated KRT at TAFE and delivered a lecture on “Surface Engineering” on 2<sup>nd</sup> April 2016.
  - Dr. R. Rajendran, Professor, delivered a lecture on “Surface Engineering of Automotive Components” at the KRT inauguration function held at UCAL, Chennai on 10<sup>th</sup> June 2016.
- **Achievements of Students**
    - Twenty students along with few Automobile students accompanied by Mr. S. Loganathan, Assistant professor, participated in the BAJA event at Pithampur, Indore, Mathya Pradesh and secured 26<sup>th</sup> rank out of 179 institutions participants from all over India.
    - Mr. Rohit (RRN No: 130021601157, IV Mech ‘C’) Student bagged 200 USD from DST-TI as startup grant for his project titled “SMART INTRAVENOUS DRIPPER”.
    - Students from III year Mechanical Engineering (Sec: D) Mr. Thoufiq Ahamed T.M (RRN No: 140021601216), Mr. Sheik Mohamed Zubair (RRN No: 140021601196) and Mr. Shivrama Sankaran (RRN No: 140021601199) have been selected for INNO contest-2016 on the topic titled” Upper Limb Rehabilitation Robot”.
- **Developmental Activities**
    - The M.Tech. CAD/CAM programme offered by the Department is accredited by NBA for two years.
    - Project/activity based learning, Peer assisted learning, Modern teaching pedagogies, Lab restructuring and industry internships are the steps taken by the department towards quality teaching and learning process.
    - Inducting affiliate faculty from industry as an adjunct faculty to teach one credit courses for the Department of Mechanical Engineering is in progress.

- Dr. R. Rajendran Represented our University and made presentation about our institution in the First Industry Academia Roundtable organised by Auto Component Industry ACMA with Select Engineering Institutions on May 20th, 2016.
  - The Department of Mechanical Engineering is going to organize an International conference ADMMS 2017, Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility in collaboration with SAE India Southern Section, during July 19-21, 2017.
- 
- **Industry / Institute Collaboration**
    - Our Department is collaborating with industries like WABCO, India pistons, India Piston Rings, Sundram fasteners and Indian Friction Material Pvt Ltd for doing research, internship and industrial visits.
    - German language course in collaboration with GOOTHE INSTITUTE, Chennai is being offered at our campus for the period from Oct 2016 to April 2017, more than 25 Mechanical Engineering students are undergoing this course for A1 certification.
    - 10 Mechanical Engineering students were shortlisted for one month internship for the forthcoming summer under GAPP (Global Academic Partnership Program) at National University of Singapore, Singapore.
- 
- **Society Activities**
    - Department of mechanical Engineering has three different societies namely SME, ASME and SAE to motivate the students to participate in various professional Activities.
    - CRESTECH 2017, a national level technical event, activities like water rocketry, lunar landing and CAD modeling were organized by the department of mechanical engineering.
    - CONFLUENCE 2016, a National Level Technical Symposium organised by the department on 17.03.2016 was inaugurated by Mr. Sriram Raju, Executive Director, Shriram EPC, Chennai.
    - MECHFEST 2016, an Intra University Technical meet organized by the department on 28.04.2016 was inaugurated by Mr. C. Pradeep, Deputy Manager, Vehicle Integration Centre of Excellence, Mahindra Research Valley.
    - SAE is going to launch tractor design competition for the engineering students. Our students are in the process of building the prototype model for outlining the rules and regulation for the tractor competition.
    - Our students are encouraged to participate in the BAJA SAE and ENDURA student competitions organized by SAE in which an All-terrain vehicle was designed and tested at the test track. This year our students attained the 52<sup>nd</sup> position out of 172 teams participated in the event.

- Guest lecturers were organized by the professional societies for the benefit of the students for enhancing their knowledge in specialized areas.
- SAEINDIA KRT at BSAU was inaugurated by Mr. Daniel Morris Hancock, President, DMH Strategic Consulting LLC on Jan 23, 2016.

- **Mous Signed:** Nil

- **Extension Activity Conducted**

- Department of Mechanical engineering is a recognized study center for Indira Gandhi National Open University (IGNOU) for the conduct of B.Tech. Mechanical engineering and Diploma in Mechanical engineering programmes.
- B.Tech. Mechanical engineering (PART TIME) programme has been offered to the diploma employees of M/s. Apollo Tyres Ltd, Chennai, by the department of Mechanical engineering.

- **Important Visitors**

S. No.	Expert Name	Designation	Topic/Purpose	Date
1.	Mr. K.J. Rajendran	Administrative Officer, Merc Training Academy	Current Scenario and Careers in Power Plant Industries & its Expectations	10.03.2016
2.	Dr. Peter Mylon	Faculty, Mechanical Engineering Division, University of Sheffield, UK	Advanced Design and Manufacturing Techniques	05.02.2016
3.	Mr. S. Selvamani	Mentor, New Product Development Cluster, Automotive Components Manufacturers Association	Assessment process for center for automotive excellence in surface engineering	May 2016
4.	Dr. Rajadurai	Professor & Dean, MIT, Anna University		

- **Any Other Information :** Nil





**DEPARTMENT OF AEROSPACE  
ENGINEERING**



## AEROSPACE ENGINEERING

- New Programmes Started : Nil
- Value Added Programmes : ANSYS CFD Training for Students
- Training Programmes Offered : Nil
- Interdisciplinary Programmes Conducted: Nil
- Conferences / FDP / Seminars / Workshops Conducted : FDP on “Basics of Fluid Mechanics” during June 2016
- Conferences / FDP/ Seminars / Workshops Attended : Nil
- Papers Published/ Presented In Journals & Conferences (Total Numbers Only)

National Conference	International Conference	National Journal	International Journal	Total
0	0	01	03	04

- Details of Publication In National & International Journals & Conferences: (IEEE Format)
  1. S.P. Venkatesan and P.N. Kadiresh, Effects of Nano-Sized ZnO Fuel Additive on Combustion in A Diesel Engine, **Journal of the Balkan Tribological Association**, Vol. 22, No 1A-II, pp 959–970, 2016.
  2. S.P. Venkatesan and P.N. Kadiresh, Experimental Study on Nanofluid Fuel and Its Effects on the Performance of CI Engine, **Journal of Chemical and Pharmaceutical Sciences**, Vol. 9 (2), pp 742-745, 2016.
  3. Sri Nithya Mahaottamananda & P.C. Joshi, Combustion Study of HTPB - Sugar Hybrid Fuel with Gaseous Oxygen, **Journal of Thermal Analysis and Calorimetry**, Vol. 123, 2016.
  4. S.P. Venkatesan and P.N. Kadiresh, Influence of An Aqueous Cerium Oxide Nanofluid Fuel Additive on Performance and Emission Characteristics of a Compression Ignition Engine, **International Journal of Ambient Energy**, Vol. 37 (1), pp 64-67, 2016.
- Details of Impact Factor of The Publication H-Index

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

- Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr.P.N.Kadiresh	SERB - DST, New Delhi	Supersonic Air Jet for Soil Excavation	25.11 Lakhs	Submitted

- Special Research Laboratories Created : Nil

- Major Equipment Purchased : Propeller Test Rig in Propulsion lab

- Book Published : Nil

- Patents (Obtained / Applied) : Nil

- International Visits By Faculty / Students : Nil

- Faculty Internships : Nil

- Achievements of Staff : Nil

- Achievements of Students

- Mr. Dilli Babu current final year student got placed in CTS through campus recruitment.
- Ms Farah M Basha got selected for pilot training in HM Aviation Pvt.Ltd
- Two batch of current final year students got selected for national level “**Aero Design Challenge 2017**”, conducted by SAE India (Aerospace Division).
- Four students of 2015 batch have undergone one week internship at Bangalore Aircraft industries Pvt. Ltd, in Jan 2017.

- Developmental Activities
  - Propulsion lab introduce with propeller test rig
  - Six affiliated faculty from various university industry abroad are identified to offer one / two credit courses
  - Introducing one & two credit industry oriented courses are proposed in 2017 curriculum design.
  - Video lecture course material been prepared
  
- Industry / Institute Collaboration : Nil
- Society Activities : Nil
- MoUs Signed : Nil
- Extension Activity Conducted : Nil
- Important Visitors:
  - A team from Moscow Aviation institute, Russia visited our department - International collaborative research, faculty/student exchange and semester abroad programme features are discussed.
  
- Any Other Information
  - Dr.P.N.Kadiresh inaugurated a technical symposium organized at Surya college of Engineering, Villupuram on 17<sup>th</sup> march 2017 and delivered a key note address.
  - 2<sup>nd</sup> and 3<sup>rd</sup> year aero students visited HAL, Bangalore and Taneja Aviation Pvt Ltd, Hosur on 23<sup>rd</sup>& 24<sup>th</sup> march 2017.



**DEPARTMENT OF AUTOMOBILE  
ENGINEERING**

# AUTOMOBILE ENGINEERING

## 4. INTERDISCIPLINARY PROGRAMMES CONDUCTED : SUPRA

- A Team of 25 students from Automobile and Mechanical students participated in (designing and fabricating SAE SUPRA vehicle) SAE SUPRA competition organized by Society of Automotive Engineers from Noida from 04.07.2016 to 09.07.2016.

## 5. CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

I. Two days national conference organized on Emerging trends in Automotive Technology (ETAT -2016) on 15<sup>th</sup> & 16<sup>th</sup> April 2016. Guest of speakers are Dr.V.Sankaranarayanan, Director, University Projects, Mr.K. Senthur Pandian, Senior Principal Engineer, Power Train, Mahindra and Mahindra, Mr. Prashanth Krishnan and Gokul raj from Sharda Motors Industries Ltd., representing Dr.S. Rajadurai, CEO and Head, R&D, Sharda Motors Dr.N.Kulasekaran, Assistant General Manager, CFD, R&D, Fiat Chrysler Automobiles India, Dr.A.Ramesh, Professor, Mechanical Engineering, IIT- Madras and Mr. R.Venugopal, DRDO Fellow and Scientist G from CVRDE.



II. Guest lecture was organized on 7<sup>th</sup> May 2016, Dr. D. Siva Krishna Reddy, lead engineer, Engines Coe, Mahindra & Mahindra Ltd were the guest of speaker . Topic: Role of piston bowl in diesel combustion engine combustion



- III. Six days faculty development program organized by automobile department from **18<sup>th</sup> July to 23<sup>rd</sup> July 2016** , Engineering Thermodynamics, Chief guest of program Mr. Raju Govindarajan, Consultant Engineers, Global nodes Engg services.
- IV. Volkswagen motor sport promotional event organized on 17<sup>th</sup> August 2016, Chief guest of program, Mr. Mahesh Menon, Assistant Manager – Technical, Volkswagen motorsport India,  
Mr. Agnivesh Garg, Senior Marketing officer, Volkswagen Motorsport India and Mr. Venkatesh Shreyas, Race Driver, Volkswagen Motorsport India.
- V. The Society inauguration was organized by Crescent Society of Automotive Engineers was held on 23<sup>rd</sup> August 2016. The Chief guest for the program was Dr. K. Swaminathan, Founder & CEO, Silicic Innova Tech Pvt. Ltd.
- VI. Guest lecture was organized on 28<sup>th</sup> September 2016. Guest of speaker - Mr. P. Gurusamay , Plant & Equipment Manager, EMCO, Qatar. Topic: Off Road Vehicle.
- VII. Mr. P. Arjunraj, Mahindra & Mahindra special lecture delivered on 6<sup>th</sup> October 2016.
- VIII. Guest lecture was organized on 6<sup>th</sup> March 2017, Mr. Sandeep, Senior engineer,  
Fiat Chrysler India, Automotive Pvt Ltd were the guest of speaker. Topic: Role of piston bowl  
in diesel combustion engine combustion”



## 6. CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED :

1. Mr. N. Kamesh & Mr. Manu joseph attended 6 days Faculty Induction training program (from 09.01.2017 to 13.01.2017 and 28.01.2017) organized by Faculty Training Academy.
2. Mr. S. Karthikeyan & Mr. C.K. Arvinda Pandian has participated in the two day workshop on “Research Methodology & Quality Assurance” on 2<sup>nd</sup> & 3<sup>rd</sup> Dec 2016 .

## 7. PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES (Total numbers Only)

National Conference	International Conference	National Journal	International Journal	Total
12	1	1	4	18

**8. Details of Publication in National & International Journals Conferences: (IEEE format)**

**ANNEXURE : 1.1**

**9. DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index :**

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

Refer the Annexure : 1.1

**10. SPONSORED RESEARCH (ONGOING / APPLIED): Nil**

S. No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. K. Prabu, Automobile Engineering, Dr. P. D. Jeyakumar, Mechanical Engineering	SERB	Enhance of passive safety on chassis mountd nus body structure for Indian road conditions	20,00,000	Applied

**11. Faculty Internships :**

❖ SAEINDIA southern section organized Technical program Diesel Engine Technology on 19<sup>th</sup> & 20<sup>th</sup> August 2016. Our department Mr. S. Karthikeyan, Assistant Professor has participated.

**12. ACHIEVEMENTS OF STAFF : Nil**

**13. ACHIEVEMENTS OF STUDENTS :**

1. A Team of 25 students from Automobile and Mechanical students participated in (designing and fabricating SAE SUPRA vehicle) SAE SUPRA competition organized by Society of Automotive Engineers from Noida from 04.07.2016 to 09.07.2016.

2. "Indian Karting Race" event organized by Imperial Society of Innovative Engineers (ISIE) at Coimbatore from 24.08.2016 to 29.08.2016 and won the award for light weight award.
3. K.S. Krishna Preethi Final year Automobile Engineering students (Batch: 2012 - 2016) received a best student award



4. Inferno kart Team with 22 students from Department of Automobile Engineering designed and fabricated a GOKART vehicle and participated in Dynamic Karting Challenge 2016 organized by Association of Innovation and Mectra Engineers (AIME) held at Buddh International circuit, Greater Noida at New Delhi from 29th to 31st March 2016 and won best design and auto cross event award.



5. The following final year students are placed details as furnished below, (Batch: 2012 – 2016)

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

**Current final year students (Batch: 2013 – 2017)**

<b>S. No</b>	<b>RRN</b>	<b>Name of the Students</b>	<b>Name of the company</b>
1	130121601032	Suhail Bilal	<b>Cognizant</b>
2	130121601022	Patel Mohamed Eshaq	<b>Infosys</b>

**14. DEVELOPMENTAL ACTIVITIES :**

Restructuring of Four Wheeler laboratory Educational models are developed for

1. Disk Brake
2. Drum Brake
3. Manual Steering
4. Power Steering
5. Propeller shaft
6. Final drive





1. Customized Training to final year students on **04.02.2017(Saturday)** - Special speakers Mr. Yogeshnagendiran, Senior Engineer from Renault Nissan , Mr. P. Arjunraj, Deputy Manager from Mahindra & Mahindra Pvt Ltd.



## 15. INDUSTRY / INSTITUTE COLLABORATION :

- ❖ Our University is organized an Industry institute meet on 22<sup>nd</sup> October 2016, 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.



## INTERNATIONAL COLLABORATION:

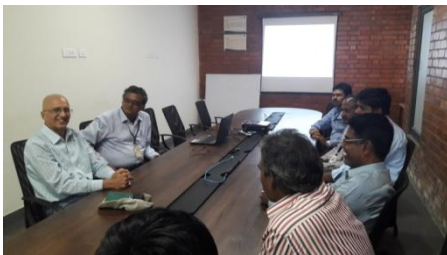
- ❖ We have initiated discussion for tie up with **Mr. Tai Kim** , Assistant Director of Graduate, Admissions m Marketing University of Kettering. We have sent mail to give contacts of the faculty in the automobile PG programme department .



- ❖ Interactive session with **Dr. Raghu Echempati, Professor of Mechanical Engineering & Director of M.E. Graduate Programs , Kettering University, USA** on the following topics was carried out on 25.03.2017 (Saturday) at 2.45 to 3.45 PM.

1. Vehicle Dynamics
2. Finite Element Methods
3. Light Weight Technology

Faculty members from Automobile Mechanical, Polymer and Aerospace departments participated in the discussion,



Other

highlights of discussion

1. Online learning Initiative
  2. Lab Infrastructure
  3. Discussion on subject Engineering Mechanics, Strength of Materials , Mechanics of Machinery
  4. He agreed to be an affiliate faculty for Automobile Department
  5. He agreed to give value added programs during next vacation
  6. He also told to explore the possibility of course / semester abroad program in Kettering University, U.S. A
- Third year students Industry visit to TAFE – Training Product centre on 3<sup>rd</sup> October 2016.
  - II year students Industry visit to UCAL fuel systems on 14.10.2016

## 16. SOCIETY ACTIVITIES:

BSAU Participated in Daily Thanthi Educational Expo held on 16<sup>th</sup> and 17<sup>th</sup> April 2016 at Chennai Trade Centre. more than 733 parents and students inquired about various courses from our stall. Our Automobile faculty members Mr. V. Deepan, Mr. C. K. Arvinda Pandian and Mr. N. Rajmohan are Participated.



B.S. Abdur Rahman Crescent University participated Education fair on 1<sup>st</sup> April 2017 to 3<sup>rd</sup> April 2017 at Chennai and Trichy. Our Department two faculty members Mr. C. K. Arvinda Pandian and Mr. N. Rajmohan. play a active role and distribute the brochures.



22. **MoUs SIGNED**  
: Nil

23. **EXTENSION ACTIVITY CONDUCTED:** Nil

24. **IMPORTANT VISITORS**

- ❖ Mr. P. Arjun Raj , Senior Engineering, Engines Research Development from Mahindra & Mahindra Ltd.
- ❖ Mr. N. Balasubramanian, lead trainer from Automotive Skill development council (ASDC)
- ❖ Mr. Taikim, Director of International and Graduate Admissions, from University of kettering, USA.

- ❖ Dr. Raghu Echempati, Professor of Mechanical Engineering & Director of M.E. Graduate Programs , Kettering University, USA
- ❖ Mr. Yogesh Nagendran, Senior Engineer, Renault Nissan
- ❖ Mr. Sandeep, Senior engineer, Fiat Chrysler India, Automotive Pvt Ltd
- ❖ Mr. P. Gurusamay , Plant & Equipment Manager, EMCO, Qatar
- ❖ Dr.V.Sankaranarayanan, Director, University Projects
- ❖ Mr.K. Senthur Pandian, Senior Principal Engineer, Power Train, Mahindra and Mahindra.
- ❖ Mr. Prashanth Krishnan and Gokul raj from Sharda Motors Industries Ltd.,
- ❖ Dr.S. Rajadurai, CEO and Head, R&D, Sharda Motors
- ❖ Dr.N.Kulasekaran, Assistant General Manager, CFD, R&D, Fiat Chrysler Automobiles India,
- ❖ Dr.A.Ramesh, Professor, Mechanical Engineering, IIT- Madras
- ❖ Mr. R.Venugopal, DRDO Fellow and Scientist G from CVRDE.
- ❖ Mr. Raju Govindarajan, Consultant Engineers, Global nodes Engg services.
- ❖ Dr. D. Siva Krishna Reddy, lead engineer, Engines Coe, Mahindra & Mahindra Ltd
- ❖ Mr. Mahesh Menon, Assistant Manager – Technical, Volkswagen motorsport India,
- ❖ Mr. Agnivesh Garg, Senior Marketing officer, Volkswagen Motorsport India
- ❖ Mr. Venkatesh Shreyas, Race Driver, Volkswagen Motorsport India
- ❖ Dr. K. Swaminathan, Founder &CEO, Silicic Innova Tech Pvt. Ltd.

#### **ANY OTHER INFORMATION :**

##### **Special Lecture delivered :**

##### **Special lecture delivered by Faculty**

- Dr. M. Subramanian, Professor & Head, Department of Automobile Engineering, BSAU Special lecture delivered on 8<sup>th</sup> January 2016 to our automobile lab staff's
- Dr. M. Subramanian, Professor & Head, Department of Automobile Engineering, BSAU Research forum special lecture delivered on 13<sup>th</sup> February 2016. Topic : Evaluation Of Oxygenated Diesel On Combustion And Performance Characteristics In A Diesel Engine.



- BSAU participated in Daily Thanthi Educational Expo held on 16th and 17th April 2016 at Chennai Trade Centre. more than 733 parents and students inquired about various courses from our stall. Deepan, Rajmohan, Arvinda pandian, Assistant Professor, Department of Automobile Engineering.
- Mr. N. Balasubramanian, lead trainer from Automotive Skill development council (ASDC) visited various laboratory of our department on 25.11.2016



- Visit to BSAU, Mr. Taikim, Director of International and Graduate Admissions, from University of kettering , USA visit to our automobile lab & seminar given to our students on 13.02.2017.
- Mr. Karthik tharani, Formula racing driver from Volkswagen Motorsport seminar given to our students on 15<sup>th</sup> February 2017.





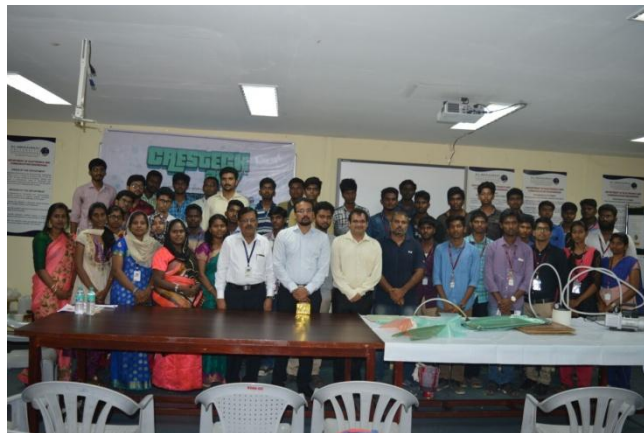
**DEPARTMENT OF  
POLYMER ENGINEERING**

## POLYMER ENGINEERING

- **New Programme Started** : M.Tech Polymer Technology (Evening Course)
- **Value Added Programmes Started** : Nil
- **Training Programmes Offered:**
  1. One day workshop on **“Fiber reinforced plastics (FRP)”** was offered to the employees of M/s Saravana Global Energy Limited, Maduranthangam on 9<sup>th</sup> April, 2016.
- **Interdisciplinary Programmes Conducted:** Nil
- **Conferences / FDP / Seminars / Workshops Conducted**
  - Dr. R. Vasanthakumari, Director, Polymer Nanotechnology Centre, and Dr David Jenkins, Lecturer, Faculty of Science and Engineering, Plymouth University jointly organized three days International Workshop on **“Clean water through Advanced and Affordable materials”** during 8<sup>th</sup> - 10<sup>th</sup> August, 2016.



- National level one day workshop on **“Composite design”** was organized during Crestech 2017 on 24<sup>th</sup> March, 2017.



- **Conferences / FDP / Seminars / Workshops Attended**

1. Mr.Basanta Kumar Behera attended two days national conference on “**Emerging Trends in Automobile**” conducted by Department of Automobile Engineering, BSAU during April 15 -16, 2016.
2. Following faculty members attended a seminar on “**Automotive solutions through packaging, ultrasonic welding and thermoforming**” organized by IPI Chennai Chapter at MRC, Guindy, Chennai on 18 April, 2016.
  - Mr.Basanta Kumar Behera
  - Mr. D.Muralimanohar
  - Ms.K.P.Sindhu
3. Following faculty members participated three days International Conference on “**Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016)**” organized by International Unit on Macromolecular Science and Engineering at Mahatma Gandhi University, Kottayam, Kerala during 13 - 15 May 2016.
  - Mrs.J.Shahitha Parveen
  - Mrs. S.Vijayarani
  - Ms.K.P.Sindhu
4. Mr.Basanta Kumar Behera and Mr. D.Murali Manohar attended six days Faculty Development Program on “**Solid Mechanics**”, conducted by Department of Mechanical Engineering, BSAU during May 20 - 25, 2016.
5. Mr.Basanta Kumar Behera and Mr. D.Muralimanohar attended a seminar on “**Technology Innovation & Energy Efficiency in Injection Moulding**” organised by IPI Chennai Chapter at Hotel Hilton, Chennai on 24 June, 2016.
6. Following faculty members attended six days Faculty Development Program on “**Engineering Thermodynamics**” conducted by Department of Automobile Engineering, BSAU during 18 - 23 July, 2016.
  - Mr.Basanta Kumar Behera
  - Mrs.J.Shahitha Parveen
  - Mrs. S.Vijayarani
7. Following faculty members attended two days national conference on “**Green Chemistry and Sustainable Environment, [GCSE-2016]**” organized by the Department of Chemistry, BSAU during August 2 - 3, 2016.
  - Mrs.J.Shahitha Parveen
  - Mrs. S.Vijayarani
  - Dr.S.Shamshath Begum
  - Ms.K.P.Sindhu

- Mrs.R.Daulath Banu
8. Following faculty members has participated in two days INDO-UK workshop on **“Clean Water through Advanced and Affordable Materials”** organized by B.S.A University and Plymouth University, UK during August 8 - 10, 2016.
    - Mr.Basantha Kumar Behera
    - Mrs.J.Shahitha Parveen
    - Dr.S.Shamshath Begum
    - Mr. D.Muralimanohar
  9. Mr.D.Murali Manohar attended two days International Conference on **“Control Computing Communication and Materials”** organized by United College of Engineering & Research, Allahabad on 21 – 22 October, 2016.
  10. Mr.Basanta Kumar Behera attended six days Faculty Development Program on **“Tribology in Design”** conducted by the Department of Mechanical Engineering, IIT Madras during November 7 - 12, 2016.
  11. Following faculty members attended two days workshop on **“Research Methodology and Quality Assurance”** conducted by the Office of the Dean (Academic Research) at BSAU during December 2 - 3, 2016.
    - Mr.Basanta Kumar Behera
    - Mrs.J.Shahitha Parveen
    - Mr.D.Murali Manohar
    - Mrs.R.Daulath Banu
  12. Mr. D.Murali Manohar and Mr. S.Vikram participated in **India International Science Festival (IISF 2016)** and exhibited a model of **Polymeric product developed for the removal of oil spills from sea water** at National Physical Laboratory (NPL), New Delhi during December 7 - 11, 2016.
  13. Mr. Basanta Kumar Behera and Mr. D.Murali Manohar attended a seminar on **“Rubber Education”** conducted by Indian Rubber Institute (IRI) at ITC Grand Chola, Chennai on January 23<sup>rd</sup> 2017.

• **Papers Published/ Presented In Journals & Conferences**

National Conference	International Conference	National Journal	International Journal	Total
1	5	-	4	10

• **Details Of Publication in National & International Journals & Conferences:**

**International Journal:**

- Vikram Srinivas, Dr.Vasanthakumari Raju, “**Assessment on the Release of Magnetite Nanoparticles Embedded with PVA Nanofiber in Hydrodynamics**”, Journal of Nano Research, May 2016.
- P. Thilagarajan, A. Syed Naveed, S. Shamshath Begum, S. S. M. Abdul Majeed, S. Vijayarani, K. P. Sindhu, V. Krishnamoorthy and S. Gayathiri, “**Improvement in the flame retardancy of flexible polyurethane foam by addition of nano-silica**” International Advanced Research Journal in Science, Engineering and Technology, May 2016.
- S. Vikram, R. Vasanthakumari, Takuya Tsuzuki, Murali Rangarajan, “**Investigations of suspension stability of iron oxide nanoparticles using time-resolved UV-visible spectroscopy**”, Journal of Nanoparticle Research, August 2016.
- D. Mukundan, R. Mohankumar, Dr. R. Vasanthakumari, “**Comparative Study of Synthesized Silver and Gold Nanoparticles using leaves extract of Bauhinia tomentosa Linn and their anticancer efficacy**”, Bulletin of Material Science, February 2017.

**National Journal:** Nil

**International Conference:**

S. No	Author	Paper Title	Name of the Conference	Place	Date
1.	S.Vijayaani, Dr.S.S.M.Abdul Majeed, Dr.S.Shamshath Begum, R.Daulath Banu, D.Murali Manohar and Basanta Kumar Behera	Development and Characterization of Nylon 6/OMMT Clay Nanocomposites Compatibilized by Polyether Block Amide with Polyurethane Elastomer	International Conference on “Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications, ICNM 2016”	Mahathma Gandhi University, Kottayam , Kerala	13 - 15 May, 2016
2.	J. Shahitha Parveen and Dr. S.S.M Abdul Majeed	Electrospun Poly (ethylene oxide) Nanofiber as Polymer Electrolytes for Lithium Batteries	International Conference on "Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications, ICNM 2016”	Mahathma Gandhi University, Kottayam , Kerala	13 - 15 May, 2016
3.	K.P.Sindhu and Dr.S.S.M.Abdul Majeed	PVDF/Polypyrrole based electrolytes for super capacitor Application	International Conference on "Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications, ICNM	Mahathma Gandhi University, Kottayam, Kerala	13 - 15 May, 2016

			2016”		
4.	Mrs. J. Shahitha Parveen	Development of Nanofibrous Polyelectrolytes for Lithium Batteries	International Conference on “Nanoscience and Nanotechnology for Energy Applications (EAAP – 2016)”	Sathyabama University, Chennai.	27 - 29 June, 2016
5.	Mr. D.Murali Manohar & Dr Vasanthakumari Raju	Effect of pressure and temperature on properties of carbon-carbon composites prepared from renewable material.	International Conference on Control Computing Communication and Materials (ICCCCM-2016)	United College of Engineering and Research, Allahabad	21 - 22 October, 2016

**National Conference:**

S.No	Author	Paper Title	Name of the Conference	Place	Date
1.	R.Nareendran	Development of Nanofibrous Polyelectrolytes for Lithium Batteries	STEER 2017 - 3rd National Conference On Sustainable Trends In Energy And Environmental Resource	SSN College of Engineering, Chennai	20-21 January 2017

• **Details of Impact Factor Of The Publication H-Index**

Range of Impact Factor	Average Impact Factor	h-Index	No in Scopus
0.895 - 3.943	2.1745	4.25	2

• **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	<b>Ongoing</b>
2	Dr. S.Shamshath Begum Mrs.S.Vijayarani	SERB	Development of fire retardant polyurethane foams for commercial applications	Rs. 20.55 lakhs	<b>Applied</b>



3	Dr.R.Vasanthakumari, Basanta Kumar Behera, D. Murali Manohar Shadab Shabir Bhai	Akzon Noble, Netherlands	Warpage reduction in injection molded cover for batteries	Rs. 2.5 lakhs	<b>Sanctioned</b>
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- **Special Research Laboratories Created** : Nil

- **Major Equipment Purchased:**

Equipment Name	Description	Amount Rs.	Suppliers Name & Address
Ultrasonic Cleaner	Type: 2liters 50 W Ultrasonic Power: 50 W Tank Capacity : 2 liters Tank Size : 240 X 135 X 100 mm Enclosure Size : 265 X 162 X 200 mm U/s Frequency : 33±3 KHz	12062/-	M/s. ATHENA TECHNOLOGY, 802, Hercules, Lodha Paradise, Majiwada, Thane (W) – 400601.

- **Book Published:** Nil

- **Patents (Obtained / Applied)**

Title of the patented work	Inventor and Co-assignees	Filing date with Application Number
Spent Coffee ground-based Polypropylene bio composite material and preparation method thereof	Dr. N Jayachitra, Dr. R. Vasanthakumari, Ms R Gayathri	06.05.2016 & 201641015805

- **International Visits By Faculty / Students** : Nil

- **Faculty Internships** : Nil

- **Achievements of Staff**

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

- **Achievements of Students**

#### 18.1 Paper presentation

S.No	Author	Paper Title	Name of the conference	Place	Date
1	P.Thilagarajan and A.Syed Naveed - IV <sup>th</sup> Year	<b>Received II<sup>nd</sup> prize</b> for the paper titled “Studies on flame retardant characteristics of indigenously	National Level Technical Symposium (CHEMFLUENCE 2016)	A.C. Tech, Anna University, Chennai	18 - 20 March, 2016.

		developed PUFF by assimilation of eco-benign flame retardant"			
2	K.Mohamed Aejaz, M. Mohamed Iqas – IV Year	<b>Received II<sup>nd</sup> prize</b> for the paper titled "Development and characterization of electrospun polymer electrolytes for lithium batteries"	National Level Technical Symposium (CHEMFLUENCE 2016)	A.C.Tech, Anna University, Chennai	18 - 20 March, 2016.
3	R.Narendran – III Year	Presented a paper entitled " <b>Development of Nanofibrous Polyelectrolytes for Lithium Batteries</b> "	International Conference on "Nanoscience and Nanotechnology for Energy Applications"	Sathyabama University, Chennai	27 - 29 June, 2016.
4	C.R.Chandra Sekar, A Vijai Dhujan, J Prasanth – III Year	Received I <sup>st</sup> prize for the poster presentation " <b>Sustainable and green Engineering (focused on plastics)</b> "	PANSOPHY'16 A National Level Technical Symposium	Sri Venkateswara College of Engineering, Sriperumbudur	1 <sup>st</sup> Oct, 2016.
5	Narendran R-III Year	Presented a paper entitled " <b>Development of electrospun Polyelectrolytes for Lithium Batteries</b> "	National Level Technical Symposium RESURGAM2017	Panimalar engineering college, Chennai	11 <sup>th</sup> Feb 2017
6	Muhshina Begum.N.A - IV Year	<b>Received III<sup>rd</sup> prize</b> for the paper titled " <b>Effect of nanofiller on the characteristics of Nylon6 and POE blend</b> "	ELASTOPLAZ 2017 National Level Technical Symposium	Madras Institute of Technology (MIT), Anna University	3 <sup>rd</sup> March 2017
7	S.H.Shabeerudin - IV Year	Presented a paper entitled " <b>Development of flame retardant polyurethane foam</b> "	ELASTOPLAZ 2017 National Level Technical Symposium	Madras Institute of Technology (MIT), Anna University	3 <sup>rd</sup> March 2017
8	Narendran R -III Year	<b>Received I<sup>st</sup> prize</b> for the paper titled on " <b>Entrepreneurship opportunities in biodegradable plastics</b> "	ChemClave 2K17 National Level Technical Symposium	IIT Madras	3-5 March 2017

9	Narendran R -III Year	<b>Received 1<sup>st</sup> prize</b> for the paper titled “ <b>Nanofibrous polyelectrolyte for energy storage devices</b> ”	CHEMFLUX 2017 National Level Technical Symposium	SRM University	30-31 March 2017
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### 18.2 Sports Events attended by students

S.No.	Student Name	Event	Name of the Tournament	Date
1.	L.Mahesh - III year, N.Gopinath - II year	Ball Badminton	Won the “Runner up” position with a cash prize of Rs. 4000 in District Level Ball Badminton Tournament organized by Eagle Town Ball Badminton Tournament at Thirukkalukundram.	9 -10, July 2016
2.	P.V.S.N. Jayalakshmi - II year	Ball Badminton	“Winners” in State Level collegiate “Buck Memorial Sports Festival - 2016”, organized by Y.M.C.A college of Physical Education, Nandanam, Chennai -35.	3, August 2016
3.	L.Mahesh - III year, N.Gopinath - II year	Ball Badminton	“Winners” in District level Ball Badminton tournament - 2016, organized by First year M.S.D.A, Mamallapuram at P.U.M School.	6 - 7 August, 2016
4.	L.Mahesh - III year, N.Gopinath - II year	Ball Badminton	“Winners” in Junior State level Ball Badminton championship for boys organized by Excel Group Institutions, Pallipalayam, Namakkal district.	20 - 21 August, 2016
	Syed Imran Ahamed.I - IV year	Cricket	Participated in All India Level SRM and SSN Founders Trophy – 2016 -17 at SRM University, Chennai.	18 - 24 August, 2016
	Athithyan.K - I year	Cricket		
	Syed Imran -IV Year	Cricket	Captained University cricket team in Inter- Institutional Tournaments 2016 organised by Tamilnadu Police Academy and won Silver Medal in Cricket Men held at Tamilnadu Police Academy, Chennai	19 <sup>th</sup> November- 2016
	P.V.S.N. Jayalakshmi - II year	Ball Badminton	Won the “Runner-up” position in All India Inter-University Ball Badminton Tournament organized by SRM University, Chennai.	29 Dec, 2016 - 2 Jan, 2017
	Syed Imran - IV Year	Cricket	Captained University cricket team in 24 <sup>th</sup> Dr. M.G.R. Memorial Cricket Tournament organised by Satyabama University, Chennai and won the Runners - Up Position	12 <sup>th</sup> Feb 2017
	Syed Imran - IV Year	Cricket	Captained University cricket team in DCE-2017 Cricket Tournament for Men organised by Dhanalakshmi College of	13th to March-2017

			Engg, Chennai and won the Runners - Up position	
	First year students	Grandmaster Chess	Secured first place in the event "Grandmaster chess" organized by the Department of Mathematics, BSAR Crescent University.	8 <sup>th</sup> March,2017

- Mr Syed Imran of final year was awarded "**Man of the match**" in the 24<sup>th</sup> Dr.M.G.R.Memorial State Level Inter Institutional T- 20 Cricket Tournament - 2016 organized by Sathyabama University, Chennai.



### 18.3 Workshop/ Seminar/ Expo attended by students

1. Ms. N.Muhshina Begum, Mr. S.H.Shabeerudin and Mr. Ashitosh Jain.R of final year participated in one day workshop on "MOLDEX 3D "on 2<sup>nd</sup> March 2017 organized by Department of Rubber and Plastics Technology, MIT, Anna University.
  2. Mr. S.H.Shabeerudin, Mr. Prasanna Venkatesan and Mr. Ashitosh Jain.R of final year participated in a seminar on "**Entrepreneurship Development**" conducted by National Small Scale Industries Corporation (NSIC) at BSAU on 20<sup>th</sup> March 2017.
  3. The following students participated in one day seminar on "**Rubber Education**" organized by Indian Rubber Institute at ITC Grand Chola, Chennai on 23<sup>rd</sup> January 2017.
    - Mr. S.H.Shabeerudin
    - Mr. Ashitosh .R Jain
    - Mr. Shadab Shabeer Bhai
    - Mr. L.Vishvesh
- **Developmental Activities:**
    - Hot two roll mill for polymer compounding was reconditioned in the polymer processing lab in the month of October, 2016.
  - **Industry / Institute Collaboration**

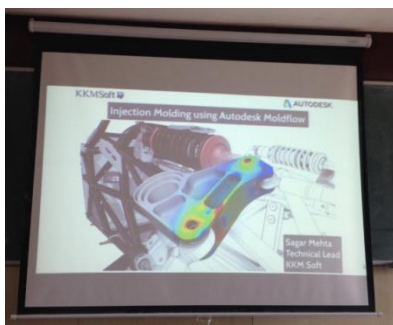
- Industry Institute meet was held on 22<sup>nd</sup> October 2016 in the conference hall of School of Mechanical Sciences in which 15 industry experts participated and discussed about collaborative research with academicians.



- Curriculum revision workshop for B.Tech Polymer Engineering programme was held on 28.01.2017 at 10.30 am in the conference hall, School of Mechanical Sciences with industry experts.



- Mr.Sagar Mehta, Technical Lead, KM soft delivered a lecture on the topic "**Injection Molding using Autodesk Moldflow**" on 18.08.16.



- Dr.Arun Kumar, Vice president, R&D, POCL Enterprises Ltd., Chennai delivered a lecture on "**Trends in Plastic Extrusion and Additives**" on 1<sup>st</sup> October, 2016.



- Mr Mahmood Ali Ismail, Sales Engineer, Bodai Corporation, Kuwait delivered a lecture on the topic "**Polymer in construction industries**" on 5<sup>th</sup> October, 2016



- Mr. Arul Selvan, Delivery Manager, L&T Engineering Services, Chennai delivered a lecture on the topic "**Product Design and Development**" on 11.02.17.



- Mr. Umesh Kumar, MD, Plastek Engineering Pvt Ltd, Chennai delivered a guest lecture on the topic "**Thermoforming solutions for automotive plastics**" on 06.03.17.





- Mr. Lakshmanan, Technical Officer, CAD, CIPET, Chennai conduct a "**Skill Development Program**" under "**Skill India Scheme**" and delivered a lecture on "**New product design and development**" techniques" on 15.03.17.



- Dr Tarasankar Pal, Professor, IIT Kharagpur delivered a lecture on "**Coinage metals in Nanoregime**" on 13<sup>th</sup> March,2017.



- **Society Activities**

- Association of Polymer Technologist (APT) organised one day workshop on "Composite design" and "Paper Presentation" during Crestech 2017 on 24 - 25 March, 2017. More than 50 participants and 30 teams respectively from various technical universities and engineering institutions participated.

- **MoU's Signed: Nil**

- **Extension Activity Conducted:**

- Consultancy work was carried out for **Saravana Global Energy Ltd, Maduranthagam** on **Design and Manufacturing** of FRP Core for high voltage insulators.
- Product / Specimen Testing has been done for
  1. Sai Krishna Fiber Glass, Chennai
  2. KAVPL, Nagercoil and
  3. Design Desk India Pvt Ltd., Chennai
- Polymer Nano Technology center has carried out testing and consultancy work worth **Rs 3,00,000** for various institutions and companies across India like **Anna**

**University, VIT, SRM University, Formulated Polymers, NIT, Trichy, BASF Ltd, Chennai** and many more.

- **Important Visitors**

1. Mr. A. Ravi, Managing Director, Are Pee Polymer, Gumudipoondi, Chennai.
2. Mrs. Sabitha Devi. K, Chief Manager, SRF Ltd, Manali, Chennai.
3. Mr. K. Ganesh, Chairman & MD, PMC Polymer Marketing Pvt. Ltd. Chennai.
4. Mr. S. Chandrakasan, Head-Business Development, Saravana Global Energy.
5. Mr. R. Madanagopal, Sr. Manager-Technical, Carborundum Universal Limited, Chennai
6. Mr. R. Nagarajan, General Manager-Technical, Carborundum Universal Limited, Chennai.
7. Mr. S. Senthil Kumar, Dupont Limited, Chennai.
8. Mr. Arul Selvan, Assistant General Manager, L&T Technology Services, Chennai.
9. Mr. T. Veeraraghavan, CEO, Abirami Industries, Gumudipoondi, Chennai.
10. Mr. V. Lenin, MD, BR Engineering Plastics, Chennai.
11. Mr. Ramakrishnan, Head-Compounding, Apollo Tyres, Oragadam, Chennai.
12. Mr. V Krishna Kumar, Director, Chime Polymers & Chime Extruders.

- **Any Other Information**

**25.1. Student research activities:**

- Ms. N.Muhshina Begum and Mr. Harish Kumar presented an innovative idea on **“Developing green wall in closed building to detoxify air by using water absorbing polymers”** in the Inno idea contest, organized by Abdul Kalam Innovation Center of BSAU on 27<sup>th</sup> April 2016.





- Mr. Munwar Ahamed and Mr. Tanveer Ahamed of final year Polymer Engineering won the third prize in Inno Idea Contest organized by Abdul Kalam Innovation Center of BSAU on 27<sup>th</sup> April 2016.



#### 25.2. Article Published:

- Dr.R.Vasanthakumari, Director, Polymer Nanotechnology Centre published an article on “**Development of polypropylene biocomposites using agro waste material**” in Insights Magazine (Plastics industry in focus), Plastindia foundation, vol.48, July - September, 2016.

#### 25.3. Students In-plant Training:

- **Two weeks** in-plant training for final year students, Mr. Shabeerudin.S.H and Ms. N.Muhshina Begum was arranged during the month of July 2016 in “**Motherson Automotive Technologies and Engineering**” at Sriperumbudur.

#### 25.4. Industrial Visits:

- Second and Third year students visited **Carborundum Universal Ltd (CUMI)** on 6<sup>th</sup> October, 2016.



- Second and Third year students visited **Saravana Golbal Energy Ltd, Maduranthagam** on 2<sup>nd</sup> March, 2017.



#### 25.5. Students Placement Record: (Details of students passed out in May 2016)

S.No	Name of the student	Employed in
1	Aravindaraj. P	Sheenlac Paints Ltd, Chennai
2	Mohamed Aejaaz. K	
3	Arvind. K.R	Kingfa Science & Technology (India) Limited, Chennai
4	Mohamed Iqlas	
5	Noor Zahara Faheema. S	Sundaram Auto Components Ltd, Hosur
6	Syed Naveed. A	APA Engineering Pvt Ltd, Chennai
7	Thilagarajan. P	Haritha Fehrer Ltd, Hosur
8	Srivatsan. S.	Renewsys Ltd, Bangalore
9	Saravanan. R	
10	Raheema Banu S	

#### 25.6. Higher education details: (Details of students passed out in May 2016)

<b>S.No</b>	<b>Name of the student</b>	<b>Program</b>	<b>University</b>
1	Ms.N.Abhinayaa	M.Tech	ICT, Pune
2	Ms.N.Sajitha		Anna University, Chennai



# **DEPARTMENT OF MANAGEMENT STUDIES**

## **DEPARTMENT OF MANAGEMENT STUDIES**

### **1. Conferences / FDP / Seminars / Workshops Conducted**

- Organized a workshop on “Entrepreneurship & Soft Skills” under MMA student’s chapter on 2nd March 2017.
- Organized a workshop: “Entrepreneurship Orientation Programme”, in association with NSIC-TSC, on 20<sup>th</sup> March 2017.

### **2. Key Conferences / FDP / Seminars / Workshops Attended**

- i. Ms. N. Rajapriya attended two weeks FDP on “Entrepreneurship” organized by Department of Science and Technology at Centre for Entrepreneurship, Madurai from 19<sup>th</sup> December 2016 to 31<sup>st</sup> December 2016.

### **3. Papers Published/ Presented In Journals & Conferences**

(Total Numbers Only)

Total	International Journal	National Journal	International Conference	National Conference
6	2	-	4	-

### **4. Details Of Publication In National & International Journals & Conferences:**

**(IEEE Format)**

**International Journal:**

- i. Amir Ahmad Dar and N. Anuradha. (2017, January). Probability default in Black Sholes Formula: A quantitative Study”. *Journal of Business and Economic Development*. 2(2), pp.99-106.
- ii. Amir Ahmad Dar and N. Anuradha. (2017, March). Option Pricing Using Monte Carlo Simulation. *British Journal of Economics, Finance and Management Sciences*. 13(2),pp. 53-81.

**International Conference:**

- i. Amitha Babu and Jamal Zubair M, "Women engagement in implementation of CSR activities of Indian firms" in *International conference proceedings ISBN-978-81-8094-3218*, 2016, pp. 797-807.

- ii. N.Rajapriya and L. Aravindh Kumaran, “Employer Branding and Nurses Retention: Theoretical Framework” presented at the International Conference on National Development through Innovations in Management, Science and Technology, Thanjavur, March. 10 -11, 2017.
- iii. T. Rocky Devi and L. Aravindh Kumaran, “A framework on Job burnout: An Intensive review” presented at the International Conference on National Development through Innovations in Management, Science and Technology, Thanjavur, March. 10 -11, 2017.
- iv. Amir Ahmad Dar and N. Anuradha, “One period binomial model: The risk neutral probability measure assumption and the state price deflator approach” presented at the International Conference on Emerging trends in Engineering, Technology, Science and Management, Coimbatore, March 24, 2017.

**5. Details of impact factor of the publication H-Index**

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

**6. Sponsored Research (Ongoing / Applied)**

S.No.	Status	Amount (Lakh Rs)	Principal And Co-Principal Investigators	Funding Agencies	Project Title
1.	Applied	11	N.Anuradha	ICSSR	Financial Inclusion among women headed families in Tamilnadu
2.	Applied	13	L. Aravind Kumaran	ICSSR	“A study on impact of information and communication technologies (ICT) Components in Supply Chain of Construction

					industry in India”
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- Ms. N. Rajapriya has undergone the industrial internship programme for faculty members with M/s. Motherson Automotive and Elastomers Technology, Chennai, for a period of 6 days from 30.6.2016.
- Dr. N. Anuradha, has undergone the industrial internship programme for faculty members with M/s. Apollo Tyres Ltd., Chennai, for a period of 12 days from 18.07.2016.

### **7. Key achievements of Students**

- Won Second place in and D G Vaishnav Business Plan conducted by Ethiraj college for women, Chennai on 15.03.2017
- Won the over all Runner Cup in ETHOZ'17 held on 20.03.2017 at Sri Ramachandra University, Chennai.

### **9. Developmental Activities**

- I Year MBA students (9 students) participated in the talk show “Nenju Porukuthillaiyea” on the topic “GST Bill” organized by Kalaignar TV broadcasted on 11<sup>th</sup> Dec 2016.

### **10. Industry / Institute Collaboration**

Industry Expert Sessions were arranged as per the details given below.

- "Performance Appraisal and Training" by Mr. Venkatesh Ram, Asst General Manager, HR, TCS on 22nd and 26th of April 2016
- “Method study” by Mr.M.P.Jeyakumar Rtd. AGMN. BHEL Ranipet on 07.05.2016 & 09.05.2016.
- “Trends in Marketing” by Mr.Rajkumar Sathyakumar, Head-Operations, Open Minds Agency, Chennai on 11.05.2016 & 12.05.2016.
- “Working capital Management” by Mr.R. Govindasamy, DGM - Accounts & Finance, Woory Automotives India Pvt. Ltd., Chennai on 11.05.2016 & 13.05.2016
- “Technical Analysis in Financial Market” by Mr. Jay Vora from Share Khan Ltd., Mumbai on 23rd September 2016 for the subject “Security Market and Anaysis”.



- vi. "Communication Skills" by Mr. Rangadurai. G. R on 17th, 20th and 21st October 2016
- vii. "Management Concepts". By Mr. V. R. Rangarajan on 18th, 19th and 21st October 2016
- viii. "Entrepreneurship Development" by Mr. Harihara Subramanian in the month of October 2016
- ix. "Industrial Relations and Labour Legislations" by Mr. Rajagopal Venkataraman on 6th and 7th October 2016
- x. "Supply Chain Management by Mr. D. Sriram in the month of October 2016
- xi. "Advertising and Sales Promotion" by Ms. Chitra Suresh on 4th and 7th October 2016
- xii. "International Business Management" by Ms. J. Dharani Rajan in the month of October 2016
- xiii. "E- Commerce", by Mr. Anath Prabhakaran in the month of October 2016 Industry expert - research scholar, session by Flt. Lt. Vinod Kumar on the topic "Training and Develepment" on, 6th March 2017.

## **12. Society Activities**

- MMA student chapter was inaugurated on 22.12.2016 by GP Capt Dr. R. Venkataraman, General Manager, MMA; It was followed by a workshop on "You - The Brand".
- Human Resource Development club was inaugurated for the year on 31.10.2016
- Finance club was inaugurated for the year on 02.01.2017

## **13. Extension Activity Conducted**

- i. Guest lecture on "Foreign Exchange (FOREX) Management by Mr. S. Narayanan Murthy, Retd Dy G.M, Union Bank of India, Mumbai, on 24<sup>th</sup> March 2016
- ii. Guest Lecture on the title "Role of a Business Analyst in digital transformation of an organization" by Mr. Nizam Mohammed on 7th April 2016
- iii. Industrial visit for I year MBA students to m/s.BHEL, Ranipet was arranged on

14.05.2016

- iv. Industrial visit for I year MBA students to m/s. Woory Automatives India Pvt. Ltd., Maraimalai nagar was arranged on 18<sup>th</sup> March 2017

#### **14. Important Visitors**

- Mr.J. Vijay Kumar, GM-HR, Pfizer
- Mr.D.Sriram, CEO, Maruti 3PL Solutions
- Mr.J. Dharanirajan, Director, Seawaves Shipping services
- Mr.Y. Thiyagarajan, Manager-HR, Rane TRW Steering System Pvt. Ltd.
- Mr. C. R. Samantharay, Head-Sales, Scorpio Technologies.

#### **15. Any Other Information**

##### **Address by alumni**

- i. “Best Practices followed in the Corporate Sector” - guest lecture was given by Mr. Touseef, Junior HR Executive, CTS on 25th April 2016 in Seminar Hall 2, BSAU.
- ii. Mr.Naresh, Executive – Sales, Total Gas & power ltd, addressed I MBA students on “Application of theory in real time marketing” on 25.02.2017

##### **“Alumni talk” sessions**

- iii. Mr. V.Harish (2009-11), Business Analyst, BNY Mellon International operations Pvt. Ltd., Chennai 02.05.2016.
- iv. Mr. V.R.Srikanth (2009-11), Consultant, Flextronics Technologies (India),Pvt. Ltd., Chennai on 05.05.2016
- v. Mr. Nandhakumar, Portfolio Administrator, BNY Melon on 2.1.2017.

# **CRESCENT SCHOOL OF ARCHITECTURE**

# CRESCENT SCHOOL OF ARCHITECTURE

## Research projects sanctioned

Name of Principal Investigator	Project Title and name of the funding agency	Amount in Lakhs
NIL	NIL	NIL

## Undertaking consultancy and testing

Completed -

- Canteen Renovation and Retrofit
- Aeroblock 6<sup>th</sup> and 7<sup>th</sup> floor - Interiors

Ongoing –

- Guest House – Bedroom and Dining interiors
- Canteen Toilet
- Audi-Green room – Bedroom interiors

## Distinguished Visitors

- Dr.Sultan ahamed Ismail – Earth sake seminar.
- Ar. Laura Verdelli (International Speaker) from France.
- Ar.Amardeep Dugar –IALD Workshop.
- Prof. NAlthaf Ahmed,Director ,MEASI Academy of Architecture - All about design seminar.

## Special Lectures-Attended

Ar.Thilakavathy attended five days FTP programme in Sathyabama University (July 2016) , Organized in association with COA - NIASA - Pune & INTACH New Delhi.

## Special Lectures-conducted

- “HVAC “System by Mr. Seshadri on April 16th, 2016.
- Landscape Architecture” by Ar. R.H. Rukkumany on 4<sup>th</sup> and 25<sup>th</sup> October 2016.
- “All about design “by Prof. N Althaf Ahmed, Director, MEASI Academy of Architecture on 9<sup>th</sup> February 2017.
- “Urban development culture landscape heritage and ecology on water front” by Ar.Laura Verdelli on 2<sup>nd</sup> March 2017.
- “Earth sake” by Dr.Sultan ahamed ismail on 10<sup>th</sup> March 2017.
- “HVAC “System by Mr. Seshadri on 9<sup>th</sup> September 2016 for third years (batch 2014-2019).
- “Entrupunership for architects” by Mr.Bhupesh Nagaraj , Executive director india project development pvt ltd.



Seminar by Mr.Seshadri



Seminar by Prof. N Althaf Ahmed



Seminar by Ar.Laura Verdelli



Seminar by Dr.Sultan ahamed ismail

### Conference presentations

Sl. No.	Author	Paper Title	Name of the Conference	Place	Date
	NIL		NIL		

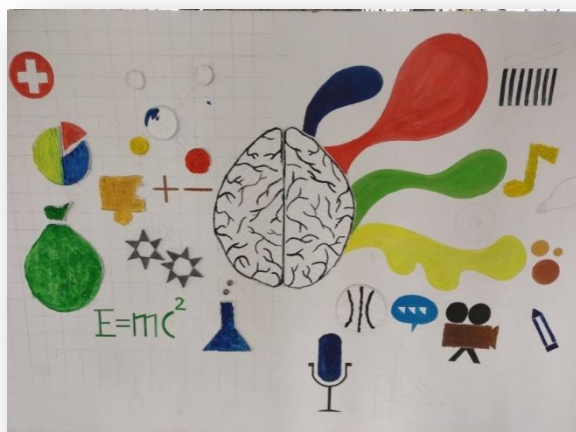
### Competition projects attended

“YUVARATNA” one day competition for wall mural design conducted by Birla white on 9<sup>th</sup> February 2017 for First year students (batch 2016-2021).

Students of final year (batch 2012-2017) have taken up the competition project “CHENNAI WATER FORUM – a new approach to water in the city” ( Lake restoration project) by Goethe institute.

Third year Interior design (Elective) students have attended Product design competition which was conducted by MGR University on October 2016.

Third year students (batch 2014-2019) have taken up the competition project “ETHOS IGBC green design competition 2016 – back to Grameen “



### Conference / Workshop Held

SI. No.	Name of the Conference/workshop	Place	Date
1	Ar.Sona & Ar.Diana attended International conference on construction, real estate, infrastructure and project (crip) management	National institute of Construction management and research, pune.	October 21 <sup>st</sup> and 22 <sup>nd</sup> .
2	Workshop on painting and sculpture by Artist Prabhakaran for first years. (batch 2016-2021)	B.S.Abdur rahman University.	17 <sup>th</sup> & 18 <sup>th</sup> February 2017
3	Two days Workshop on model making by Artist Manoharan for first years. (batch 2016-2021)	B.S.Abdur rahman University.	2 <sup>nd</sup> March 2017
4	IALD –International Association of Lighting Designers. IALD & CSA Organized Two days workshop	B.S.Abdur rahman University.	17 <sup>th</sup> and 18 <sup>th</sup> December.
5	“Bench Culture” – theme of joint studio culture with Measi academy of architecture for first years.(batch 2015-2020)	B.S.Abdur rahman University.	22 <sup>nd</sup> and 23 <sup>rd</sup> April 2016
6	Presentation workshop for second years (2015-2020), by Ar.Chibi and team.	B.S.Abdur rahman University.	October 2016





Workshop on model making by Artist Manoharan Two days Workshop on painting and Sculpture by Artist Prabhakaran



**IALD & CSA Organized Two days workshop**

**Papers Published**

S.NO	Author	Name of the journal	Paper Title	Name of the Journal / Vol/Page No./Date
	NIL			

## Students Activities

- First year students (batch 2016-2021) worked on PVC installations and coconut shell lighting fixtures for Crescent canteen.



## Department Information

- Agreement signed for LEED certificate for the first year students (batch 2016-2021).
- Climatology lab enclosed with weather station was established during April 2016.
- March 2017 - Rural study for batch 2015-2020 to Vishnupuram , Kumbakonam district (4 days)





# **SCHOOL OF PHYSICAL & CHEMICAL SCIENCES**

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



# DEPARTMENT OF PHYSICS



## PHYSICS

- New Programmes Started - Nil
- Value Added Programmes Started - Nil
- Training Programmes Offered - Nil
- Interdisciplinary Programmes Conducted -

Conducted an Awareness programme on Carriers in Physics and Chemistry for B.Sc. Physics & B.Sc. Chemistry students on 4<sup>th</sup> March 2017

- Conferences / FDP / Seminars / Workshops Conducted -

Conducted Science Academies Refresher course on “Quantum Mechanics”, at B.S.Abdur Rahman Crescent University sponsored by three Academy of Sciences, i.e. Indian Academy of Sciences, Bengaluru, Indian National Science Academy, New Delhi and The National Academy of Sciences India, Allahabad, during 28<sup>th</sup> Nov 2016 to 10<sup>th</sup> Dec 2016.

Total amount sanctioned by Science Academies: Rs.7,96,500/-

- Conferences / FDP / Seminars / Workshops Attended -

1. Dr.GV Vijayaraghavan, Assoc.Prof., acted as a Resource person in a seminar and gave a talk on “Laser Fundamentals & Applications”, organized by Shri Krishna College of Arts & Science, Kanchipuram on 19<sup>th</sup> October 2016.
2. Dr.GV Vijayaraghavan, Assoc.Prof., acted as a Judge for the State Level Technical Symposium in Physics, “Convergence 2017”, organized by the Department of Humanities & Sciences, Sri Sairam Engineering College, Chennai, on 2<sup>nd</sup> March 2017.
3. Dr. U.Majitha Parvin, AP(SI.Gr.) attended two days workshop on Advanced Functional Materials during 3<sup>rd</sup> to 4<sup>th</sup> Feb, 2017 at SSN college of Engineering, Chennai.
4. Dr.R.Indharjith, AP, attended 21<sup>st</sup> National Seminar on Crystal Growth and Applications (XXI NSCGA-2017) held at PG and Research Department of Physics, National College, Tiruchirappalli-620001, Tamil Nadu.

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

National Conference	International Conference	National Journal	International Journal	Total
3	7	-	25	35

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

#### **International Journal:**

1. M. Prabu, I. B. Shameem Banu, S. Gobalakrishnan, P. K. Praseetha, Structural studies and electrical properties of PZT (52/48) electroceramics synthesized by sol–gel route, *J Mater Sci: Mater Electron*, Volume 27, [Issue 5](#), 5351–5356, (2016).
2. Anthuvan John Peter, I. B. Shameem Banu, Synthesis and characterization of novel  $\text{Li}_3\text{Ba}_2\text{Gd}_3(\text{MoO}_4)_8:\text{RE}^{3+}$  ( $\text{RE}^{3+} = \text{Pr}^{3+}, \text{Sm}^{3+}$ ) phosphors, *Optoelectronics and advanced materials – rapid communications*, Vol. 10, No. 7-8, 472 - 478, (2016)
3. A.Sathiya Priya, I. B. Shameem Banu, M. Shahid Anwar, Shamima Hussain, Studies on the multiferroic properties of (Zr, Cu) co-doped  $\text{BiFeO}_3$  prepared by sol–gel method, *J Sol-Gel Sci Techno.*, Volume 80, [Issue 3](#), pp 579–586, (2016).
4. S.Fathoor Rabbani, I.B.Shameem Banu, An ab-initio calculation of half-metallic ferromagnetism in vanadium doped ZnS, *J. Alloys Compd.*, 695, 3131-3138, (2017).
5. A.Sathiya Priya, I. B. Shameem Banu, Zulaikha Mohammed, Effect of novel (Gd, Cu) substitution on the electrical properties and magnetoelectric coupling of bismuth ferrite ceramics, *J Mater Sci: Mater Electron* (2017) DOI 10.1007/s10854-017-6567-5, (2017)
6. Anthuvan John Peter, I. B. Shameem Banu, Synthesis and luminescence properties of  $\text{NaLa}(\text{WO}_4)_2:\text{Eu}^{3+}$  phosphors for white LED applications, *J Mater Sci: Mater Electron*, DOI 10.1007/s10854-017-6507-4, (2017)
7. M.Mohamed Sheik Sirajuddeen and I.B.Shameem Banu, An ab initio study on electronic and magnetic properties of Cr and V doped Cd and Zn nitrides for spintronic applications, *Journal of magnetism and magnetic materials*, (406), 48-59, (2016). Elsevier, Impact factor 2.357
8. Ikram un Nabi Lone, M.Mohamed Sheik Sirajuddeen, I.B.Shameem Banu, S.Sathik Basha, Structural, elastic and magnetic properties of Mn and Sb doped chromium nitride- An *ab-initio* study, *Journal of Materials chemistry and Physics*, 192, 291-298, (2017).
9. Vijayaraghavan, GV & Basheer Ahamed, M 2016, 'Influence of ZnO nanoparticles on Coumarin-503 and Coumarin-540 Dye Mixture for Energy Transfer Distributed Feedback Dye Lasers', *Journal of Modern Optics*, vol. 63, no. 12, pp. 1174-1180. (Impact Factor: 1.166)

10. Vijayaraghavan, GV & Basheer Ahamed, M 2016, 'Enhanced Energy Transfer between Co-dopants Pyronin-Y and Thionine Incorporated into Modified Polymethyl Methacrylate with Addition of ZnO Nanoparticles', *Spectrochimica Acta A*, vol. 158, pp. 43-48. (Impact Factor: 2.653)
11. K.C. Wilson, M. Basheer Ahamed, Surface modification of cadmium sulfide thin film honey comb nanostructures: Effect of in situ tin doping using chemical bath deposition, *Applied surface Science*, 361, 277-282, 2016 (Impact Factor: 3.15)
12. T. Thilak, M. Basheer Ahamed , G. Marudhu , G. Vinitha, Effect of KDP on the growth, thermal and optical properties of L-alanine single crystals, *Arabian Journal of Chemistry*, 23,9,676-680, 2016 (Impact Factor: 3.613)
13. K. Deshmukh, M. Basheer Ahamed, R.R. Deshmukh, S. K. K. Pasha, K. K. Sadasivuni, D. Ponnamma, K. Chidambaram, Synergistic effect of vanadium pentoxide and graphene oxide in polyvinyl alcohol for energy storage application, *Euro. Polym. J.* 76, 14, 2016 (Impact factor: 3.48)
14. K. Deshmukh, M. Basheer Ahamed, R.R. Deshmukh, P. R. Bhagat, S. K. K. Pasha, A. Bhagat, R. Shirbhate, F., Telare, C. Lakhani, Influence of K<sub>2</sub>CrO<sub>4</sub> Doping on the Structural, Optical and Dielectric Properties of Polyvinyl Alcohol/K<sub>2</sub>CrO<sub>4</sub> Composite Films, *Polym. Plast. Tech. Eng.* 55,3, 231-241, 2016 (Impact Factor: 1.511)
15. K. Deshmukh, M. Basheer Ahamed, R. R. Deshmukh, S. K. K. Pasha, K. Chidambaram, K. K. Sadasivuni, D. Ponnamma, M. A. A. AlMaadeed, Eco-Friendly Synthesis of Graphene Oxide Reinforced Hydroxypropyl Methylcellulose/ Polyvinyl Alcohol Blend Nanocomposites Filled with Zinc Oxide Nanoparticles for High-k Capacitor Applications, *Polym. Plast. Tech. Eng.* 55, 12, 1240-53, 2016 (Impact Factor: 1.511)
16. K. Deshmukh, M. Basheer Ahamed, K. K. Sadasivuni, D. Ponnamma, R. R. Deshmukh, S. K. K. Pasha, M. A. A. AlMaadeed, K. Chidambaram, Graphene oxide reinforced polyvinyl alcohol/polyethylene glycol blend composites as high-performance dielectric material, *J. Polym. Res.*, 23, 159, 2016 (Impact Factor: 1.969)
17. K. Deshmukh, M. Basheer Ahamed, A. R. Polu, K. K. Sadasivuni, S. K. K. Pasha, D. Ponnamma, M. A. A. AlMaadeed, R. R. Deshmukh, K. Chidambaram, Impedance spectroscopy, ionic conductivity and dielectric studies of new Li<sup>+</sup> ion conducting polymer blend electrolytes based on biodegradable polymers for solid state battery applications, *J. Mater. Sci: Mater. Electron.* 27, (2016), (Impact Factor: 1.798)
18. M. K. Mohanapriya, K. Deshmukh, M. Basheer Ahamed, K. Chidambaram, S. K. K. Pasha, Zeolite 4A filled poly (3, 4-ethylenedioxythiophene): (polystyrenesulfonate) (PEDOT: PSS) and polyvinyl alcohol (PVA) blend nanocomposites as high-k dielectric materials for embedded capacitor applications, *Adv. Mater. Lett.* 7, 996, 2016 (Impact factor: 1.46)

19. M. K. Mohanapriya, K. Deshmukh, M. Basheer Ahamed, K. Chidambaram, S. K. K. Pasha, Influence of Cerium Oxide (CeO<sub>2</sub>) Nanoparticles on the Structural, Morphological, Mechanical and Dielectric Properties of PVA/PPy Blend Nanocomposites, *Materials Today Proceed*, 3, 1864 -1873, 2016.
20. Duffing-van der Pol oscillator type dynamics in Murali-Lakshmanan- Chua (MLC) circuit” Srinivasan K, Chandrasekar V K, Venkatesan A, Raja Mohamed I, *Chaos, Solitons and Fractals*, 82, pp 60-71, 2016.
21. Growth, optical, thermal, mechanical and dielectric studies of sodium succinate hexahydrate ( $\beta$  phase) single crystal: A promising third order NLO material, P.S. Latha Mageshwari, R. Priya, S. Krishnan, V. Joseph, S. Jerome Das, *Optics and Laser Technology*, 85 (2016) 66 – 74
22. V Mahalingam, J Thirumalai, Photoluminescence, Judd–Ofelt analysis and photometric characterization of Eu<sup>3+</sup> activated Ca<sub>0.5</sub>Gd<sub>0.5</sub>(WO<sub>4</sub>)<sub>2</sub> red phosphor, *Journal of Materials Science: Materials in Electronics* 27 (9), 8884-8890 (2016) (IF: 1.798)
23. V Mahalingam, J Thirumalai, R Krishnan, S Mantha, Up/down conversion luminescence and charge compensation investigation of Ca<sub>0.5</sub>Y<sub>1-x</sub>(WO<sub>4</sub>)<sub>2</sub>: xLn<sup>3+</sup>(Ln= Pr, Sm, Eu, Tb, Dy, Yb/Er) phosphors *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 152, 172-180 (2016) (IF: 2.653)
24. V Mahalingam, J Thirumalai, Effect of co-doping of alkali metal ions on Ca<sub>0.5</sub>RE<sub>1-x</sub>(MoO<sub>4</sub>)<sub>2</sub>: x Eu<sup>3+</sup> (RE= Y, La) phosphors with enhanced luminescence properties *RSC Advances* 6 (84), 80390-80397 (2016) (IF: 3.289 )
25. V Mahalingam, J Thirumalai, R Krishnan, R Chandramohan, Controlled synthesis and luminescence properties of Ca<sub>0.5</sub>Y<sub>1-x</sub>(MoO<sub>4</sub>)<sub>2</sub>:xRE<sup>3+</sup> (RE= Eu, Pr, Sm, Tb, Dy, Yb/Er, Yb/Tm, and Yb/Ho) phosphors by hydrothermal method versus pulsed laser deposition, *Electronic Materials Letters* 12 (1), 32-47 (2016) (IF:2.057 )

National Journal:

Nil

**International Conference:**

1. I.B.Shameem Banu, Divya Lakshmi.S, Investigation of magnetic and ferroelectric properties of (Nd, Ni) co-doped BiFeO<sub>3</sub>, presented on International Conference on Magnetic Materials and Applications (ICMAGMA-2017), at Hyderabad, during February 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> 2017.
2. P. Komalavalli, I.B. Shameem Banu, Investigation of multiferroic properties –Nickel Ferrite and Barium Titanate presented on International Conference on Magnetic Materials and Applications (ICMAGMA-2017), at Hyderabad, during February 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> 2017.



3. A.Sathya Priya, Zulaikha Mohammed, I.B.Shameem Banu, Divvya Lakshmi.S, Studies on the Dielectric properties of BiFeO<sub>3</sub> Gd doped BiFeO<sub>3</sub> and (Gd-Cu) doped BiFeO<sub>3</sub> Presented at International conference on Advance in Function Materials held at Anna University organized by Department of Material Science, Central University of Tamil Nadu & Department of Medical Physics, Anna University in Collaboration with University of Oslo, Norway during 6-8 January 2017.
4. S. R. Thahirunnisa, I.B.Shameem Banu, M. Mohamed Sheik Sirajudeen, Optical properties of Solar Cell Compounds AGaSe<sub>2</sub> (A=Cu, Zn) by abinitio method Presented at International conference on Advance in Function Materials held at Anna University organized by Department of Material Science, Central University of Tamil Nadu & Department of Medical Physics, Anna University in Collaboration with University of Oslo, Norway during 6-8 January 2017.
5. P.Komalavalli and I.B.Shameem Banu, Investigation of Magnetic Properties-Cobalt Ferrite and Barium Titanate, presented at International conference on Advance in Function Materials held at Anna University organized by Department of Material Science, Central University of Tamil Nadu & Department of Medical Physics, Anna University in Collaboration with University of Oslo, Norway during 6-8 January 2017.
6. Experimental synchronization of threshold coupled chaotic oscillators, Chithra A and Raja Mohamed I, IEEE digital explore- 2016 International Conference on Computer Communication and Informatics (ICCCI -2016), 978-1-4673-6680-9/16, 221-224, 2016
7. Design of chaotic system with sinusoidally forced threshold controller, Hannah Priya G, Raja Mohamed I, Chithra A, IEEE digital explore- 2016 International Conference on Computer Communication and Informatics (ICCCI -2016), 978-1-4673-6680-9/16, 382-385, 2016

**National Conference:**

1. Vijayaraghavan, GV, Amitkumar & Basheer Ahamed, M “Enhanced Energy Transfer between Co-dopants Phloxine-B and Borax Carmine with Addition of Silver Nanoparticles”, National Conference on Advances in Materials and Manufacturing Techniques (NCAMMT- 2017), Department of Mechanical Engineering, SRM University, Chennai, during March 24-25, 2017.
2. Pragadeesh G, Raja Mohamed I, Chithra A, Dynamics of modified driven Chua’s circuit with diode based nonlinear element, national conference on signal communication (ncscv’17), department of ECE, Anna university regional campus, Coimbatore.
3. Asif Iqbal K, Raja Mohamed I, Chithra A, Synchronization of threshold controller based chaotic circuits via bidirectional coupling, National conference on signal communication (NCSCV’17), department of ECE, Anna university regional campus, Coimbatore.

- Details of Impact Factor Of The Publication H-Index
  - A) Range: 0.5 – 3.613 B) Average: 2.05 C) h-index: 4 in one year (15 in 8 years)
  - D) No. In Scopus : 25
- Sponsored Research (Ongoing / Applied)

S.No	Principle Investigator	Funding Agency	Project title	Amount in lakhs	Status
1.	Dr. I.B.Shameem Banu, Professor	DST-SERB	Investigation of Multiferroic properties of rare earth and transition metal doped Bismuth Ferrite for functional applications	23.553	Ongoing
2.	P.Komalavalli <b>Scientific Mentor</b> Dr.I.B.Shameem Banu, Prof.	DST-WOS-A  Women Scientist project	Synthesis and Characterisation of multiferroic nano composite for functional applications	17.79	Ongoing
3.	Dr. Vijayajayanthi (Young Scientist Fellow) & Dr.I.Raja Mohamed i/c	DST-SERB	Construction of optical logic gate using soliton collision and study of electrical soliton in non – linear transmission line	32.44	Ongoing
4.	PI: Dr.M.Basheer Ahamed, Prof.  <b>CO-PI:</b> Dr.SSM Abdul Majeeth, Prof.	DST-SERB	Development of Graphene and Metal Nanoparticles Reinforced Flexible Polymer nanocomposites for Effective Electromagnetic Interference (EMI) Shielding Applications	23.28	Accepted (Evaluation stage)
5.	Dr.I.Raja Mohamed	DST-SERB	Investigation of chaotic and strange nonchaotic phenomena in coupled nonlinear circuits and systems	32.46	Completed Sep 2016
6.	Dr.J.Thirumalai	DST-SERB	Preparation of earth doped molybdate nanostructures using soft chemical route for optoelectronic application	23.64	Completed Jan 2017

- Special Research Laboratories Created:

A lab for the study of ferroelectric properties of materials and thin film coating by using PLD and Spray Pyrolysis units

- Major Equipment Purchased:

1. Ferroelectric loop tracer
2. Hydraulic pelletizer

- Book Published:

1. Kalim Deshmukh, M. Basheer Ahamed, R. R. Deshmukh, S. K. K. Pasha P. R. Bhagat, K. Chidambaram, "Biopolymer composites with high dielectric performance: Interface engineering", in the Book "Biopolymer composites in electronics", Edited by K. K. Sadasivuni, D. Ponnamma, J. Kim, J. J. Cabibihan, M. A. A. AlMaadeed, Elsevier Publications (2016).
2. Kalim Deshmukh, Sowmya Sankaran, M. Basheer Ahamed, K. K. Sadasivuni, S. K. K. Pasha, D. Ponnamma, P. S. Rama Sreekanth, K. Chidambaram, "Dielectric spectroscopy", in the Book "Instrumental techniques to the characterizations of nanomaterials", Edited by S. Thomas, R. K. Mishra, R. Thomas, A. K. Zachariah, Elsevier Publications (2017).

- Patents (Obtained / Applied): NIL

- International Visits By Faculty / Students: Nil

- Faculty Internships: Nil

- Achievements of Staff

Dr.M.Mohamed Sheik Sirajuddeen:

1. Finished Ph.D Viva Voce Exam and obtained provisional certificate from Anna University Chennai.
2. Used a new teaching methodology- a web -based teaching to B.Tech & M.Sc. students

- Achievements of Students:

Thalle Snigdha, II year M.Sc., Physics student was awarded the star of India in the 62<sup>nd</sup> Senior National Ball Badminton championship for women held at Alva Education foundation, Mangalore, 2017.

- Developmental Activities:

Organized a one day programme on Personality development skill training on 16<sup>th</sup> March 2017 for M.Sc., Physics students

- Industry / Institute Collaboration: Nil
- Society Activities:
  - Arranged Guest Lecture by Prof.S.Arumugam, from Bharathidasan University, Trichy
- Mous Signed: Nil
- Extension Activity Conducted:
  - Consultancy work on Non-linear optical studies and Laser Damage Threshold studies and the revenue generated is Rs. 2.20 lakhs.
- Important Visitors:
  - a. Dr.S.Arumugam, Professor, Centre for High pressure physics, Bharathidasan University, Trichy.
  - b. Dr.N.Vijayan, Senior Scientific Officer, NPL, New Delhi.
  - c. Dr.Sharat Chandra, Scientific Officer Senior, IGCAR, Kalpakkam.
  - d. Dr.Sasti Kumar, Professor in Physics, NIT, Trichy.
  - e. Dr.Ramachandra Rao, Professor in Physics, ,IIT-M, Chennai
- Any Other Information: Nil

# DEPARTMENT OF CHEMISTRY

# CHEMISTRY

- New Programmes Started : NIL
- Value Added Programmes Started : NIL
- **Training Programmes Offered : INSPIRE CAMP**  
Dr.D.Easwaramoorthy, Prof organised DST Inspire camp for school students from 18<sup>th</sup> – 22<sup>nd</sup> July 2016 sponsored by DST for an amount of Rs.8, 00, 0000/- Nearly 150 school students participated in the camp.
- **Interdisciplinary Programmes Conducted : NIL**
- **Conferences / FDP / Seminars / Workshops Conducted:**
  1. Department of chemistry organized two days National conference on “Green Chemistry and Sustainable Environment” (GCSE- 2016) on 2nd and 3rd August 2017.Sponser by DST (SERB) & DBT.



2. Department of Physics and Chemistry jointly organized Awareness Programme on Careers in Physics and Chemistry 2017 for the final year B.Sc Physics and Chemistry students on 4<sup>th</sup> March 2017.



3. Under the Sexual Harassment Prevention cell, Dr.S.Kutti Rani organized one day workshop on “Women and societal structure” on 4<sup>th</sup> November 2016 Ms.Salma,Tamilpoet was the resource person.



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

1. Dr.S.Kutti Rani ,Dr.M.Asha Jhonsi & Dr.S.Bhagavathy attended International workshop on “Purification of water through advanced & affordable material” conducted by nanocentre, BSAU during 8-10<sup>th</sup> August 2016.
2. Dr.Noor Aman Ahrar Mundari, Dr.A.Shajahan and Dr.Mahasampath Gowri participated in the Science Academics Refresher course on Quantum Mechanics

Organized by the department of Physics, B.S.Abdur Rahman University, Chennai from 28.11.16 To 10.12.16.

3. Dr.S.KuttiRani,Ms.R.Sasikala presented a paper on “UV light active Erbium loaded CuO as an Excellent photocatalyst for the Degradation of Trypan Blue Dyes” in Recent Advances in Material Science (Rams 2017) at immaculate college for woman on 26.01.17.

4.Dr.S.Kutti Rani,Ms.R.Sasikala presented a paper on “Erbium loaded CuO Nanoparticles as Heterogeneous catalyst for synthesis of 1,2,3-Triazoles under Ultrasonication” in recent Advances in Chemical and Environmental Research at Annamalai University at 20<sup>th</sup>, 21 January 2017.

5. Dr.Revathipurushothaman attended a two days workshop on “Training programme on the state of the art analytical equipments “conducted by Physics department, Anna University on 9<sup>th</sup> & 10<sup>th</sup> February 2017.

6.Dr.Revathipurushothaman, Dr.A.Shajahan, Dr.J.Hebert Mabel, I<sup>st</sup> and II<sup>nd</sup> year M.Sc Students and some Research scholars attended QEEE workshop on “Spectroscopy and its application” during 13<sup>th</sup> to 15<sup>th</sup> February 2017 (2.00pm-4.00pm)

7.Dr.S.KuttiRani, Dr.D.Easwaramoorthy and Dr.HajaraBeevi attended one day workshop on “Commercialization of Intellectual property and Quality assurance in Higher education on 9<sup>th</sup> February 2017 at B.S.Abdur Rahman Crescent University.

8.Dr.S.Kutti Rani delivered guest lecture on nanochemistry at valliammai engineering college on 20.02.2017.

9. I<sup>st</sup> year, II<sup>nd</sup> year and some of the research scholars participated oneday International seminar (UGC sponsored seminar) on model and method in bio inorganic chemistry (MMBIC) on 22.02.2017 at Loyola college, Chennai.

10.Mr.M.Chandru,Ms.R.Meenakshi,Mr.M.Sundar, Dr.S.KuttiRani Dr.D.Easwaramoorthy & Dr.I.Mohammed Bilal presented a paper entitled “Vanadium substituted polyoxometalates its hybrid materials – effects of alkyl chain on dye removal” at two days international conference on emerging trends in nanoworld (ICENT -2017) on feb 27-28 th 2017.

11.Radhakrishnan Mohan Raj,Kalpattu K.Balasubramanian and Deivanayagam Easwaramoorthy presented a Paper entitled “Diels-Alder trapping of in sites generated Dienes from 3,4-dihydro 2H Pyran with p-Quenone catalysed by p-Toluenesulfonic acid” at two days International conference on Emerging Trends in Nanoworld (ICETN-2017) on February 27<sup>th</sup> and 28<sup>th</sup> 2017.

12.Ms.R.SaaiHarini,Ms.D.Revathi,Ms.D.Tamilarasi,Dr.D.Easwaramoorthy presented a paper entitled “Photo Bleaching of Organic dyes using nano bismuth titanate” at two



days International conference on Emerging Trends in Nanoworld (ICETN-2017) on February 27<sup>th</sup> and 28<sup>th</sup> 2017.

13. Ms. R. Sasikala, Dr. S. Kutti Rani, Dr. K. Karthikeyan, Dr. D. Easwaramoorthy and Dr. I. Mohamed Bilal presented a paper entitled "Cerium Loaded CuO Nanoparticles as Heterogeneous Catalyst for the synthesis of 1,2,3 – Triazoles under Ultrasonification" at two days International conference on Emerging Trends in Nanoworld (ICETN-2017) on February 27<sup>th</sup> and 28<sup>th</sup> 2017

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

National Conference	International Conference	National Journal	International Journal	Total
09		01	09	19

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

**International Journal:**

1. G. Sridhar, Dr. I. Mohammed Bilal, Dr. D. Easwaramoorthy, Dr. S. Kutti Rani "Synthesis, characterization and antimicrobial activities of Copper, Nickel, Cobalt, Chromium complexes derived from (z)-4-fluoro-N\_(2,7-dimethyl hept -6-enylidene) benzeneamine". Journal of Brazil chem. Soc., PP1-12, 2016.

2. D. Gangaprasad, J. Paulraj, T. Kiranmye, Dr. K. Karthikeyan and Dr. J. Elangovan published paper in "European Journal of Organic chemistry" entitled "A new example of organoclick reactions : TEMPO promoted oxidative azide –olefin cycloaddition for the synthesis of 1,2,3-Triazoles in water.

3. V. Srinivasan and Dr. M. Asha Jhonsi published paper in "Chemistry Select" (wiley Pub) entitled as "AIE Nanodots obtained from a Pyrene Schiff Base and thesis applications".

4. Dr. M. Asha Jhonsi Published paper in "Spectrochemical Act-part A"(Science direct). Entitled as "Unravel the interaction of protoporphyrin IX with reduced graphene oxide by vital spectroscopic techniques.

5. Dr. M. Asha Jhonsi and S. Thulasi published paper in "Chemical Physics letters" entitled "A Novel fluorescent carbon dots derived from Tamarind".

6. D. Gangaprasad, J. Paul Raj, T. Kiranmye, K. Karthikeyan, J. Elangovan, A New Example of Organo Click Reactions: TEMPO-Promoted Oxidative Azide-Olefin Cycloaddition for the Synthesis of 1,2,3-Triazoles in Water, European Journal of Organic Chemistry.

7.Elumalai Marimuthu and Vajjiravel Murugesan, Influence of ultrasonic condition on phase transfer catalyzed polymerization of methyl methacrylate in two phase system - a kinetic study, Ultrasonics Sonochemistry.

8.R.Mohanraj, K.Balasubramanian and Dr.D.Easwaramoorthy published a paper entitled "Diesels – Alder trapping of insitugenerated dienes from 3,4- dihydro 2 H- Pyrans with p – Quinone catalysed" by p – toluene sulphonic acid in Organic and biomolecular chemistry.

9.K.Suba,Dr.D.Easwaramoorthy and G.Andal published a paper entitled "Biogenic synthesised silver colloid for calorimetric sensing of dichromate ions and anti diabetic studies in Research on chemical intermediates".

#### National Journal:

1.G.Sridhar, Dr.I.Mohammed Bilal, Dr.D.Easwaramoorthy, Dr.S.Kutti Rani " Crystal structure of 7-chloro-2,3,3a,4,9,9a – hexahydro-3,9,9 – trimethyl-5-nitro-1H-cyclopenta [b]quinoline" vol 9, pp 362-366,2016. International journal of chemtech research.

- Details of Impact Factor Of The Publication H-Index

A) Range B) Average C) H-Index D) No. In Scopus  
 10 -50 15 11 19

- Sponsored Research (Ongoing / Applied)

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount(Rs)	Status
1.	Dr.M.Vajjiravel	DST-SERB Start-Up Research Grant (Young Scientists)	Synthesis of novel LBG polymer materials for solar cell applications	23.78 lakhs	ongoing
2.	Dr.NoorAman Ahrar Mundari	DST-SERB Start-Up Research Grant (Young Scientists)	Development of Graphene-SrTiO <sub>3</sub> based hybrid photocatalytic system for the	24.98 lakhs	ongoing

			production of solar fuels		
3.	Dr.M.Asha Jhonsi	DST-SERB Start-Up Research Grant (Young Scientists)	Synthesis, characterization and optimization of quantum dots on TiO <sub>2</sub> surface for quantum dot solar cells	19.5 lakhs	ongoing
4.	Dr.K.Karthikeyan	DST-SERB Start-Up Research Grant (Young Scientists)	Applications of gold catalysis for the synthesis of bioactive heterocyclic and natural product mimic	19.66 lakhs	ongoing

- **Faculty Internships :**

1.Dr.Noor Aman got INSA visiting fellowship from 10.06.16 to 04.08.16 and 05.01.2017 to 17.01.2017 at CSIR - NML

2.Dr.Vajjiravel Murugan got INSA visiting scientific fellowship in Molecular Electronics lab at JNCASR Bangalore from 24.05.2016 to 24.01.17.

- **Achievements of Students :** Ms.Aysha Begum, II semester student of M.Sc Chemistry programme got summer internship for the period of 2 months from 15<sup>th</sup> May to 15<sup>th</sup> July 2017 at IIT (Madras).



# **SCHOOL OF LIFE SCIENCES**



## SCHOOL OF LIFE SCIENCE

### New Programmes Started

M.Sc Sonology in association with Medall

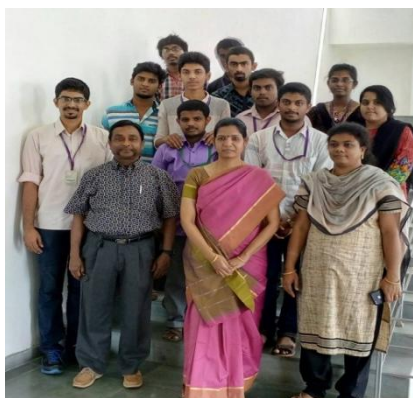
### Value Added Programmes Started

- Certificate course in Food quality standard certification in association with Hirise Food lab
- Certificate course in Nutrigenetics in association with Xcode Life Sciences, Chennai
- Organized one credit course on molecular imaging by Prof. Ammasi Periyasami, W.M. Keck Center, University of Virginia, USA in August, 2016

### Training Programmes Offered

### Interdisciplinary Programmes Conducted

One credit course on molecular imaging by Prof. Ammasi Periyasami, W.M. Keck Center, University of Virginia, USA in August, 2016 was conducted for students of ECE, E&I and Life Sciences



### Conferences / FDP / Seminars / Workshops Conducted

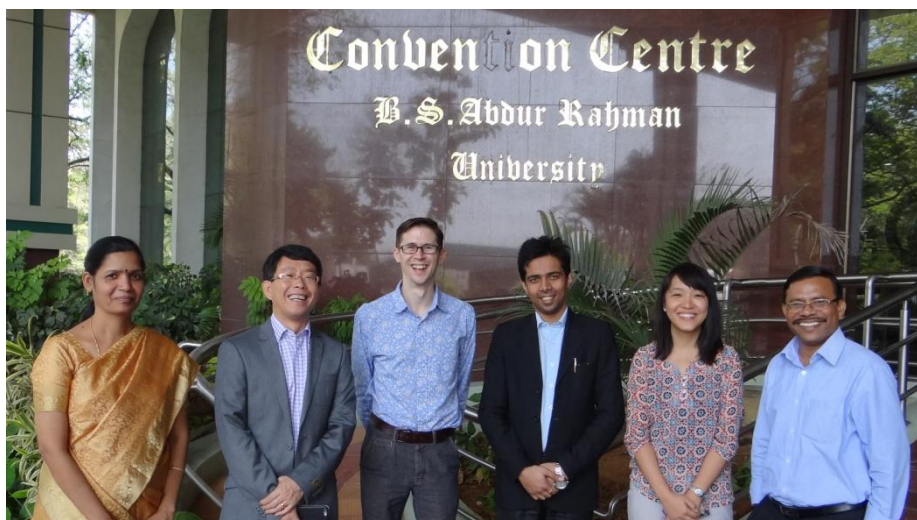
#### Conferences

International Conference on Applications of Natural Products and Opportunities Ahead (ICAN-2016) was conducted on August 2-3, 2016



## Seminars

1. Seminar Using Lasers, Home - made proteins & 3D cell culture to detect bio molecules and investigate disease by Dr.David Smith from Sheffield Hallam University, UK- on 4th February 2016



2. Biotech Industry Institute consortium Inauguration by Dr. Christopher Taylor Barry, Transplant surgery consultant, Mahatma Gandhi Hospital, Former Professor, University of Rochester Medical Center, Rochester, New York on 27, February, 2016



3. Dr. Christopher Taylor Barry, Transplant surgery consultant, Mahathma Gandhi Hospital, Former Professor, University of Rochester Medical Center, Rochester, New York on 27, February, 2016 on Liver Cancer Genomics: the Promise of Personalized Medicine





4. Organized special seminar series by University of East London Delegation and special seminar by Professor Neville Punched, Dean of Health, Sport and Bioscience, Professor Michael Seed and Dr Mukhlesur Rahman from University of East London, UK on 11th April 2016.



5. Seminar by Mr. Raju Venkatraman, Founder and CEO, Medall on March, 16, 2016



6. Special lecture on "Targeting Signaling Kinases in Pancreatic Cancer" on March, 18, 2016 by Dr. Suresh Kumar Rayala, IIT, Madras

7. Special Lecture on "Selectively Targeting Cancer Cell Growth By the Use of Peptide Fragments of Secreted Frizzled-Related Protein 4" by Dr. Arun Dharmarajan, Professor, from School of Biomedical Sciences, Curtin University Australia on February, 2, 2017.



8. Dr. Anandkumar Surendrarao from University of California, Irvine, USA delivered lecture on "An introduction to Intellectual Property and Technology Commercialization in US universities" on March 9, 2017 at BSAU



9. Special lecture on "A Creative Entrepreneur in the field of Medicine" on April 5, 2017 by Dr. Roshini Raju, CEO, Medbites.





### Workshops

1. Hands on Workshop on Next Generation Sequence (NGS) Analysis was conducted in Association with Xinovem Company on April 25th -29th April 2016



2. Workshop on Summer School in Molecular Simulation & Structure Based Drug Design (MSSBDD - 2016) was conducted between 18<sup>th</sup> to 29<sup>th</sup> July 2016.



3. Two days Workshop on Molecular Dynamics Simulations in Drug Discovery (MDSDD-2017) was conducted on March 2nd - 3rd 2017. This was organized by Dr. S. Hemalatha and Dr. M.S. Shahul Hameed

**Workshop on Molecular Dynamics Simulations in Drug Discovery (MDSDD-2017)**



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

**Conferences Attended**

1. Confederation of Indian Industry (CII) invited Dr. S. Hemalatha for Tamilnadu Health Summit, 2016 held on 18-19, April, 2016
2. Dr. S. Hemalatha was invited to participate in discussion in TIDCO/TICEL/EDI conference brainstorming session on 20.8.2016 at TICEL Biopark, Chennai
3. Shanawaz Khan, research scholar, has attended and presented paper in NGBT conference organized by sci genome research foundation on October 03-05, 2016, Cochin.
4. Dr. S. Hemalatha has delivered invited lecture at Padmashri Vikhe Patil College of Arts and Science and commerce, Ahmednagar, 9-10, December, 2016
5. Mohd. Shanawaz Khan has attended Interdrought V-International conference, ICRISAT, Hyderabad on 21-25, February, 2017 and presented paper.
6. S. Hemalatha, has delivered invited talk at International conference on nanodrug discovery- Nanodentcon-2k17, Saveetha dental college, Saveetha University, Chennai, February, 18.2017





7. Dr. S. Hemalatha, Mohd. Shanawaz Khan and A. Tahira have attended and presented papers at National Conference on 'Cutting Edge Innovations and Future Prospects of Biotechnology', held at SPMVV, Tirupati, on 27<sup>th</sup> -28<sup>th</sup> February, 2017.



8. Saroj Kumar Sah, A. Tahira. have attended and presented papers in International conference on "microbiome in health, disease and environment" Central Inter-Disciplinary Research Facility, Sri Balaji Vidyapeeth, Puducherry, on 3-4 March, 2017



9. M.Sc IInd year students and research scholars have attended and presented papers in National conference on Novel Approaches and Concepts in Modern Microbiology" (NAC2M) held at Hindustan College of Arts and Science, Chennai on January 11, 2017.

10. S.M.Fazeela Mahaboob Begum, Saroj Kumar Sah research scholars have attended and presented papers in National conference on Biomarkers: from research to clinical practice "BRCP 2017". Organized by Dept. of Biochemistry, Meenakshi College for women, Chennai 30 & 31<sup>st</sup> January 2017.

11. Dr. M.K. Sangeetha, Assistant Professor Sneha U, Logesh R research scholars and 3<sup>rd</sup> year B.Tech cancer biotechnology students have attended and presented papers at 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017", Dr. MGR University, Maduravoyal, Chennai on 14 & 15<sup>th</sup>, March, 2017

### **Workshops Attended**

12. Dr. R. Karthikeyan and Mrs. V. Kavitha attended Workshop on "Creative Thinking" on 19<sup>th</sup> & 20<sup>th</sup> January, 2016 conducted by faculty training academy in partnership with ICT Academy of Tamil Nadu.

13. Dr. R. Karthikeyan attended Workshop on £10 Million Longitude Prize Discovery Awards to tackle Anti-Microbial Resistance: *How to Win!* on 27 July, 2016 at British Deputy High Commission, Chennai.

14. All faculty members of SLS attended One day workshop for the research supervisors on "training of quality research" on 3.12.2016.

15. Dr. S. Hemalatha and Dr. M. K. Sangeetha have attended National workshop on Academia Industry Collaboration” Opportunities & Challenges on 2-4, March 2017 at Sri Ramachandra University, Chennai.

16. Dr. S. Hemalatha and Dr. M.K. Sangeetha) have attended EDI workshop jointly organized by Entrepreneurship Development Institute and Translational Research Platform for Veterinary Biologicals on "Strategies for Bio-Tech Entrepreneurship"on 7-8, March, 2017 Dr. Hemalatha was invited to discuss about the initiatives from academic perception.

17. Dr. S. Sudarkodi and Dr. M.Wasima have attended the workshop on creation and nurturing women tech-entrepreneurs on 27-28, March, 2017 in Chennai organized by National Academy of Sciences India, Biotech Consortium India Limited and Golden Jubilee Biotech park.

18. S. N. Hikhmathunnisa has participated in the “Workshop conducted by the Crescent Soft Skills Development Society (CSDS) on 20<sup>th</sup> August 2016

19. Zakira A has participated in “National Workshop on Computational Analysis of Molecular Data” held on 17<sup>th</sup> & 18<sup>th</sup> November 2016 at VIT University, Vellore.

### **Training attended**

20. M. Afsana Parveen, R. Ramya, V. Narmadha has participated hands on training on “Isolation of Active Compounds from Aqueous Extract of Leaves of Catharanthus Roseus(L.)G.Don” held from 4-23 July, 2016 at ARMATS BIOTEK Training and Research Institute Guindy, Chennai.

21. Surya Haritha S attended training on Animal Cell Culture – PROWESS held on 27<sup>th</sup> August 2016 at IC&SR Auditorium in IIT Madras, Chennai

22. Priya S, Fazeela S M, attended the GE Healthcare Fast Trak Training course on Chromatography on February 23-25, 2017 at IITM Biocubator, IIT Madras Research Park, Taramani, Chennai.

23. Rubina Banu, Sharofina azmi, Shehanaz afreen R, Sangeetha P, Kirthiga A P, Prasanthi M attended training on "Training Programme on Bio-Informatics" in Biotechcellence 2017 on March 10, 2017.

### **Papers Published/ Presented In Journals & Conferences**

(Total Numbers Only)

<b>National Conference</b>	<b>International Conference</b>	<b>National Journal</b>	<b>International Journal</b>	<b>Total</b>
<b>30</b>	<b>31</b>	<b>0</b>	<b>13</b>	<b>74</b>

### **Details of Publication in National & International Journals & Conferences: (IEEE Format)**

#### **International Journal publications:**

1. Khan M. S. & Hemalatha S Biochemical and molecular changes induced by salinity stress in *Oryza sativa* L." *Acta Physiologiae Plantarum*, 38(7), 1-9(DOI: 10.1007/s11738-016-2185-8)
2. Ubaid Rasool and S. Hemalatha Bioenergy and biofuels: sources and their production. *Brazilian Journal of Biological Sciences*, 2016, v. 3, no. 5, p. 3-21
3. Amrita Roy and Soumen Bera CAF cellular glycolysis: linking cancer cells with the microenvironment. *Tumour Biol.* 37,7,8503-14,2016
4. V. Lavanya & Neesar Ahmed & Md Khurshid Alam Khan & Shazia Jamal Sustained mitogenic effect on K562 human chronic myelogenous leukemia cells by dietary lectin, *Jaclin, Glycoconjugate Journal* August 2016
5. R. Jayaprakash, Saroj Kumar Sah, S. Hemalatha, D. Easwaramoorthy Synthesis, Characterization, Quantitative Structure-Activity Relationship, Docking, Antibacterial Activity, and

Brine Shrimp Lethal Studies on L-Phenylalanine Schiff Bases. Asian Journal of Pharmaceutical and clinical Research Vol 9, Suppl. 3, 2016

6. M.S.Shahul Hameed S-Glutathionylation of Cysteine-217 allosterically inhibits Triose-phosphate Isomerase: A Molecular Dynamics Study Journal of Proteins and Proteomics, 7(2), 2, 133-146, 2016

7. Khan, M.S., Akther, T. and Hemalatha, S. Impact of Panchagavya on *Oryza sativa* L. Grown Under Saline Stress J Plant Growth Regul (2017). 1-12. doi:10.1007/s00344-017-9674-x

8. Ubaid Rasool, S. Hemalatha, Marine endophytic actinomycetes assisted synthesis of copper nanoparticles (CuNPs): Characterization and antibacterial efficacy against human pathogens, Materials Letters, Volume 194, 1 May 2017, Pages 176-180, ISSN 0167-577X, <http://dx.doi.org/10.1016/j.matlet.2017.02.055>.

9. V. Lavanya, Ahmed. N. KA. Khan and shazia j. Sub-Micellar Concentration of Sodium Dodecyl Sulphate Prevents Thermal Denaturation Induced Aggregation of Plant Lectin, Jacalin The Protein Journal · January 2017

10. S.M.Fazeela Mahaboob Begum, S. Hemalatha. Characterisation, *In Silico* and *In Vitro* Determination Of Antidiabetic And Anti Inflammatory Potential Of Ethanolic Extract Of *Sargassum Wightii*. AJPCR In press Vol 10, Issue 4, 2017

11. S.M.Fazeela Mahaboob Begum, S.Priyaa, S. Hemalatha. "*In vitro* and *In silico* analysis of the anti oxidant and angiogenic potential of *Padina tetrastomatica*" International Journal of PharmTech Research in press Vol. 10, Issue 2, 2017.

12. Tahira Akther, Mohd Shahanbaj Khan, S. Hemalatha, "Extraction of Flavonoids from various Parts of *Couroupita guianensis* and Its Efficacy Against Pathogenic Bacteria" Asian J Pharm.Clin.Res in press Vol.10 issue 4 April, 2017.

13. Tengku Ain Kamalden, Anne M Macgregor-Das, Sangeetha M Kannan, Ms. Brittany Dunkerly-Eyring, Nurliza Khaliddin, Zhenhua Xu, Anthony P Fusco, Syatirah Abu Yazib, Rhuen Chiou Chow, Elia J Duh, Marc K Halushka, Charles Steenbergen, and Samarjit Das. Exo-miR-15a Transfer from the Pancreas Augments Diabetic Complications by Inducing Oxidative Stress Antioxidants & Redox Signaling. February 2017.

**National Journal: Nil**



### **International Conference publications:**

1. S. Priya and S. Hemalatha, Peptidomimetics based inhibitor design for HIV-1 International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
2. Sathish Kumar, Saroj Kumar Sah, S. Hemalatha, S. Mahasampath Gowri, K.K. Balasubramanian, Synthesis of novel substituted thiabenzene-1-methyl-1-oxide derivatives: in vitro antibacterial screening against gram negative and positive bacteria International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
3. S.M.Fazeela Mahaboob begum and S.Hemalatha, Marine red algae a promising source of PI3K inhibitors: Opening a new avenue in the development of anti cancer drugs. International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
4. R.Malini , S.M.Fazeela Mahaboob Begum, S.Hemalatha *Withania Coagulans* a promising natural remedy in managing Diabetes : *In silico* and *In vitro* approaches International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
5. Arun Kumar B, T.R. Rangaswamy, Sabura Banu U,Ubaid Rasool and S. Hemalatha. Classification of medicinal herbs based on leaf venation assisted by Neural Network Pattern recognizer International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
6. Arun Kumar B, Mohamed Faisal, Sabura Banu U, Ubaid Rasool, and S. Hemalatha, Severity detection of bacterial leaf spot on plants using colour imaging techniques and correlation with mathematical techniques. International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
7. G.Anitha, M.G. Haarini, J. Sureca, S. Hemalatha Edge detection of medicinal leaves using ANT colony optimization algorithm International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.

8. U. Rasool and S Hemalatha Marine actinomycetes and their role in synthesizing natural products International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
9. Mohd S. Khan, T. Akther, S. Hemalatha Efficacy of silver nanoparticles synthesized from *Terminalia arjuna* against ESBL producing human pathogenic bacteria International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
10. S.Zakia Fathima , S.M.Fazeela Mahaboob Begum, S.Priyaa , S.Hemalatha. Indian Medicinal Plants target PPAR  $\gamma$  to control Diabetes: An in silico approach International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
11. Farhana Fathima M, Neesar Ahmed and Shazia Jamal. Purification and Functional Characterization of Lectin from Edible Mushroom International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
12. Famidha B, Shazia Jamal and Neesar Ahmed. Anti-Inflammatory Drug Diclofenac Induced Structural and Conformation Changes in Bovine Serum Albumin International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
13. Logesh R, Shazia Jamal and Neesar Ahmed Immunomodulatory Effects of Lipopolysaccharides (LPS) Derived from Diverse Groups of Gram Negative Bacterium International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
14. Ashwini Vasudevan, Yogeshwari Sudhakar, Shazia Jamal and Neesar Ahmed. Health benefits of chocolate International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai
15. Vinodhini R, Neesar Ahmed and Shazia Jamal. Biophysical Characterization of Lactoferrin , Isolated from Cow Milk International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.

16. Sucharithra Ganesh, Shazia Jamal and Neesar Ahmed. Effect of Dietary Lectin Jacalin on Gram positive and Gram negative Bacteria International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
17. Mohamed Adil A.A, Vinodhini, Shazia Jamal and Neesar Ahmed. Effect of lactoferrin, isolated from cow milk on peripheral blood mononuclear cells relation to innate immunity International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
18. Anil Kumar B, Shazia Jamal and Neesar Ahmed. Cell signalling of Chickpea lectin within caveolae International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
19. Abirami Rajendran, Sangeetha R, Umamaheswari V, Shazia Jamal, Neesar Ahmed. Identification and biophysical characterization of lectin isolated from edible mushroom International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
20. Mohd. Hashim Khan and Karthikeyan Ramalingam Bio-inspired green synthesis of silver nanoparticles and its efficacy against some of ESKAPE pathogens International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
21. Priyadharshini.S Herbal medication for the treatment of sleep disorder (insomnia) - a review International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
22. Priyadarsini.S Potential medicinal herbs for the treatment of copd: an emerging alternative – a review International conference on applications of natural products and opportunities ahead, August 2-3, 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai.
23. M.S. Khan and S. Hemalatha, Biochemical and molecular insights on salinity induced abiotic stress and autophagy mechanism in *oryza sativa* L 2016 Nextgen Genomics, Biology, Bioinformatics and Technologies (NGBT) conference organized by SciGenom Research Foundation (SGRF), Cochin, India, 3-5 october, 2016.
24. S.M.Fazeela Mahaboob Begum, S. Hemalatha. PTEN - a predictive Biomarker to detect cancer. National conference on Biomarkers: from research to clinical practice “BRCP 2017”.

Organized by Dept. of Biochemistry, Meenakshi College for women, Chennai 30 & 31<sup>st</sup> January 2017.

25. Tahira Akther, Mohd Shahanbaj Khan, S. Hemalatha. Antioxidant and antimicrobial activities of extracts from a medicinal plant, *Terminalia arjuna* National Conference on 'Cutting Edge Innovations and Future Prospects of Biotechnology', Tirupati, 27<sup>th</sup> -28<sup>th</sup> February, 2017

26. S. Hemalatha, Molecular and genomic approaches to screen drug molecules. International conference on nanodrug discovery-Nanodentcon-2k17, Saveetha dental college, Saveetha University, Chennai, February, 18.2017 (Invited talk)

27. S.M.Fazeela Mahaboob Begum, S.Hemalatha The role of biomarkers in the management of lung cancer National Conference on 'Cutting Edge Innovations and Future Prospects of Biotechnology' Tirupathi, 27<sup>th</sup> -28<sup>th</sup> February, 2017.

28. Mohd Shahanbaj Khan, S. Hemalatha "Autophagy is critical to cope up with drought tolerance in rice (*Oryza sativa* L)" **Nature India**, Abstract book InterDrought-V pg-P-063 International Conference on 'InterDrought-V.

29. Mohd Shahanbaj Khan, S Hemalatha. Biochemical, cell biological and molecular studies of impact of panchagavya on *oryza sativa* grown under saline stress. National Conference on 'Cutting Edge Innovations and Future Prospects of Biotechnology', Tirupati, 27<sup>th</sup> -28<sup>th</sup> February, 2017

30. Tahira Akther, Mohd Shahanbaj Khan, S. Hemalatha Biological evaluation of silver nanoparticles synthesised from *Terminalia arjuna* bark extract and its efficacy on Human pathogenic microbes. International conference on "microbiome in health, disease and environment" Central Inter-Disciplinary Research Facility, Sri Balaji Vidyapeeth, Puducherry, India 3-4 March, 2017

31. Saroj Kumar Sah, B. Shanthi, S. Hemalatha. Study of CTX-M Type of Extended Spectrum Beta-Lactamases (ESBL) among Clinical isolates of *Klebsiella species* in South India. International conference on "microbiome in health, disease and environment" Central Inter-Disciplinary Research Facility, Sri Balaji Vidyapeeth, Puducherry, India 3-4 March, 2017 (Saroj Kumar Sah won Young Scientist travel award for this presentation)

**National Conference publications:**

1. S.M.Fazeela Mahaboob Begum, Kalaichitra, Benin Joseph and S.Hemalatha Screening the efficacy of anticancerous compounds from sea weed: Molecular approaches to identify target genes and pathways” at HERBESCON 2016,Phytoconstituents as Biotherapeutics, National conference organised by Dept. of Biomedical Sciences, Sri Ramachandra University, Chennai on February 17 & 18,2016.
2. Fazeela Mahaboob Begum and S. Hemalatha Novel PI3K inhibitors from marine red seaweeds: New insights in the control of cancer. New trends in biomedical and pharmaceutical applications of marine natural products. NCMNP, Center for ocean research, Sathyabama university, Chennai, August 10-11, 2016
3. Mohd Shahanbaj Khan, U. Sabura Banu, S. Hemalatha Exploring the mechanism of saline stress in paddy (*Oryza sativa*) by Biochemical, molecular and image processing approaches. National conference on current trends in biosciences, medicinal plants their scientific validation and novel applications, Padmashri Vikhe Patil College of Arts and Science and commerce, Ahmednagar, 9-10, December, 2016
4. S. Hemalatha Novel therapeutic compounds from natural sources: Identification of molecular mechanisms and potential targets in controlling disease. National conference on current trends in biosciences, medicinal plants their scientific validation and novel applications, Padmashri Vikhe Patil College of Arts and Science and commerce, Ahmednagar, 9-10, December, 2016
5. V. Narmadha, Tahira Aktar and S. Hemalatha. Biosynthesis of silver nanoparticles from *Calotropis gigantea* flowers and their antimicrobial efficacy. National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017
6. Lazer Edinberg Auxiliya.S, Tahira Aktar and S. Hemalatha. Antibacterial activity of leaf extracts of *Tridax procumbens* National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017
7. Nivashini , Saroj Kumar Sah, S.M Fazeela Mehboob Begum and S. Hemalatha. Antimicrobial activity of *Glycyrrhiza glabra* National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017.

8. Reshma Rani V.G, Tahira Aktar and S. Hemalatha. Antimicrobial Activity of *Moringa Olifera* against Pathogenic Bacteria National Conference on "Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017
9. R. Ramya, M. Afsana Parveen, Saroj Kumar Sah and S. Hemalatha. Anti-bacterial activity of different commercially available handwash and soaps against *Pseudomonas aeruginosa* and *Proteus mirabilis* strains National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017
10. Mohd S. Khan, Tahira Akther, S. Hemalatha. Efficacy of biosynthesized silver nanoparticles from *Terminalia arjuna* against bacterial pathogens National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017
- 11.A. Zakira and S. Hemalatha. Manipulation of Host defense through Autophagy by pathogens National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai, January 11, 2017
12. Ubaid Rasool and S. Hemalatha. Effect of biosynthesized copper nanoparticles on the growth of fluconazole resistant *Candida albicans* National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, India, January 11, 2017.
13. Saroj Kumar Sah, B. Shanthi, S. Hemalatha. Study of CTX-M Type of Extended Spectrum Beta-Lactamases (ESBL) among Clinical isolates of *Escherichia coli* in South India National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai, January 11, 2017
14. S. Priya and S. Hemalatha Peptidomimetics Based Inhibitor design for HIV-1 Gp120 Attachment Protein– "Validation Model National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai, January 11, 2017
15. S. Arockia Suvitha, Ubaid Rasool, Tahira Aktar and S. Hemalatha. Antimicrobial efficacy of silver nanoparticles synthesized from *Citrus aurantifolia* against human pathogens National

Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017

16. Sameera Hajara J M, Ubaid Rasool and S. Hemalatha. Isolation of endophytic bacteria from banana roots and their antagonistic activity against human pathogenic bacteria via different methods National Conference on " Novel Approaches and Concepts in Modern Microbiology" (NAC2M). Hindustan College of Arts and Science, Chennai India, January 11, 2017

17. Vinodhini and Neesar Ahmed Binding effect of diclofenac to BSA at different PH . 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017

18. S. Suryaharitha and M. K. Sangeetha Gene bombs to blast cancer cells 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017.

19. Adithya S G: M. K. Sangeetha *HIRE OR FIRE CONSIDERING MUTATION* cells 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017.

20. Ashwini and M. K. Sangeetha V CANCER "the disease of altered genes" for which the cure is also at the gene level 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017

21. Sugirdhana and M. K. Sangeetha The magical micro RNA" miR-15 as a potential therapeutic target for cancer 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017

22. Janani A and M. K. Sangeetha Is the Combined Radio-Gene Therapy kills cancer!!! 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017

23. Karthiga. S. and M.K. Sangeetha CRISPR: molecular tool for gene therapy to target genome and epigenome in the treatment of lung cancer 8<sup>th</sup> national conference on advances in biotechnology and health science "SARVASASTRA 2017" ,Dr. MGR University, Maduravoyal, Chennai on 14 &15<sup>th</sup>, March, 2017

24. Abeer and M.K. Sangeetha, Drug Resistance in Cancers and Gene Therapy National Conference on Recent Advancements in Biomedical Engineering On March 16 and 17 Bharath Institute of Science and Technology ( University ), Chennai
25. Jaseela and M.K. Sangeetha RNA interference (RNAi) technology to splice off tumour cells by targeting mRNA National Conference on Recent Advancements in Biomedical Engineering On March 16 and 17 Bharath Institute of Science and Technology ( University ), Chennai
26. Rubeena Banu, S. Priya and S. Hemalatha, Molecular docking of the secondary metabolite chartar lactum with apoptotic protein p53 to determine its anticancer potential. National level Symposium on Genetic Engineering, (Triticum 17), 30-31, April, 2017, Bharath University, Chennai
27. S. Sangeetha S. Priya and S. Hemalatha Novel anti diabetic compounds from marine fungi *Talaromyces Funiculosum* strain LF458. National level Symposium on Genetic Engineering, (Triticum 17), 30-31, April, 2017, Bharath University, Chennai
28. M.Aswini, S. Priya and S. Hemalatha Study of interaction of bioactive metabolites produced by marine fungi-*trichoderma sp.* strain MF106 with apoptotic proteins National level Symposium on Genetic Engineering, (Triticum 17), 30-31, April, 2017, Bharath University, Chennai
29. H. Afreen Subaitha, S. Priya and S. Hemalatha Malettinin targets PERK to control metabolic disorder. National level Symposium on Genetic Engineering, (Triticum 17), 30-31, April, 2017, Bharath University, Chennai.
30. P. Ajifa meerani begum, S.Priya and S. Hemalatha. Ascorutin from *Massariosphaeria typhicola* Strain KF970 targets Apoptosis Inducing Factor1 (AIF1) to control cancer. National level Symposium on Genetic Engineering, (Triticum 17), 30-31, April, 2017, Bharath University, Chennai.



Details of Impact Factor of the Publication H-Index

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

**Sponsored Research projects Ongoing**

S. No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)
1	Dr. SoumenBera	DBT	Antioxidant gene polymorphisms and redox signaling in cancer risk	25,00,000
2	Dr. SoumenBera	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
9	Dr. Amrita Roy	DST-SERB	Understanding the Metabolic compartmentalization of cancer cells and cancer associated fibroblasts	32,64,263

**Submitted grants**

<b>S. No.</b>	<b>Principal and Co-Principal Investigators</b>	<b>Funding Agencies</b>	<b>Project Title</b>	<b>Amount (Rs)</b>
<b>1</b>	Dr. S. Hemalatha, Dr. Raji Sundarrajan, Purdue university, USA	DBT	Development and deployment of an affordable smart phone based non-invasive device for CVD biomarkers monitoring	40,10,000
<b>2</b>	Dr. S. Hemalatha, Dr. Raji Sundarrajan, Purdue university, USA	BIRAC-IIPME	Development and deployment of an affordable non-invasive blood cholesterol monitor for day to day Applications	48,00,000
<b>3</b>	Dr. S. Hemalatha, Dr. Raji Sundarrajan, Purdue university, USA	DBT	Delivery of anticancerous nano particles synthesized from sea weeds of Indian Ocean by non – invasive electrochemotherapy to cure breast cancer	49,30, 000
<b>4</b>	Dr. S. Hemalatha, Dr. Sabura Banu Dr. Raji Sundarrajan, Purdue university, USA	DBT-NIH USA	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
<b>5</b>	Dr.S.Hemalatha, Dr. Sabura Banu (E&I) Dr. Raji Sundarrajan, Purdue university, USA	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
<b>6</b>	Dr.S.Hemalatha, PI-Dr. Nagamani Bora University of Nottingham,UK	MSDE - UKIERI	Developing Teaching Excellence and Employability skills in Biotechnology discipline	17,35,500

<b>7</b>	Dr.S.Hemalatha, Dr.Kalaivani VivehananthanWayamba University of Sri Lanka,	INDIAN-SRI LANKAN INTER-GOVERNMENTAL SCIENCE & TECHNOLOGY COOPERATION	Novel anti cancerous and anti diabetic compounds from <i>Hemidesmus indicus</i> endemic to India and Sri Lanka: Exploiting the role of apoptosis mediated autophagy in controlling diabetes and cancer	62,10,000
<b>8</b>	Dr.S.Hemalatha Dr. U. Sabura Banu and Dr. M.K. Sangeetha	ICPS-DST	Prognosis of diabetic retinopathy and choroidal neovascularization by image processing and system identification technique and validation with biomarkers	25,20,800

### Special Research Laboratories Created

- Animal tissue culture lab II
- Computational biology-simulation lab
- Nanotechnology lab

### Major Equipment Purchased

Fermentar, Incubator shaker, Nano emulsion

Book Published – Nil

### Patents (Obtained / Applied) Nil

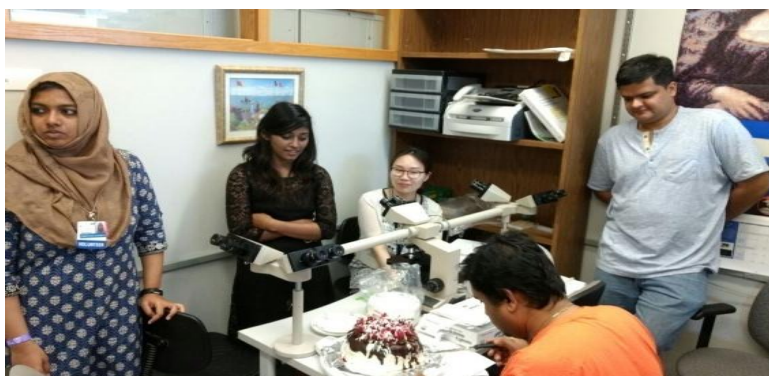
### International Visits by Faculty / Students

#### Faculty

Dr. M.K Sangeetha went for post doctoral fellowship to School of Medicine, Johns Hopkins University, USA from December 2015 to December, 2016

#### Students

Mohammad Adil, Faheem , Rohini and Farheen, B.Tech students went to Johns Hopkins University for 3 months internship from July to September, 2016



### **Achievements of Staff**

Dr. M.K. Sangeetha received post doctoral fellowship from Johns Hopkins university for one year (2015-16)

### **Achievements of Students/Scholars**

Saroj Kumar Sah, Research scholar under the guidance of Dr. S. Hemalatha won second prize for his research presentation 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 4<sup>th</sup> and 5<sup>th</sup> February 2016

S.M.Fazeela Mahaboob Begum, under the guidance of Dr. S. Hemalatha, won Cash Award for best oral research paper Presentation titled at "National Seminar on Biomarkers: From Research to Clinical Practice" organized by Department of Biochemistry, Meenakshi College for Women, Chennai held on Jan 30 & 31, 2017.

Saroj Kumar Sah Under the guidance of Dr. S. Hemalatha won best oral research paper Presentation award for the Paper at National conference on novel approaches and concepts in Modern Microbiology Organized by Department of Microbiology, Hindustan college of Arts and Science held on 11, January 2017.

Ubaid Rasool Under the guidance of Dr. S. Hemalatha won 1st prize for poster Presentation for the Paper at National Conference on "Novel Approaches and Concepts in Modern Microbiology" organized by Department of Microbiology, Hindustan College of Arts and Science on 11<sup>th</sup> January, 2017.

Tahira Akther Under the guidance of Dr. S. Hemalatha won IInd prize for poster Presentation for the Paper at National Conference on “Novel Approaches and Concepts in Modern Microbiology” organized by Department of Microbiology, Hindustan College of Arts and Science on 11<sup>th</sup> January, 2017

Shanawaz Khan 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* held at Department of Crop Physiology, University of Agricultural Sciences, GKVK, Bangalore from 15<sup>th</sup> to 27<sup>th</sup> of February 2016.

Shanawaz Khan under the guidance of Dr. S. Hemalatha has received scholarship to participate NGBT conference organized by sci genome research foundation, on Oct 03-05, 2016, Chochin, Kerala, India.

Shanawaz Khan Research scholar under the guidance of Dr. S. Hemalatha has been awarded scholarship under 100 Fellowship Awards Programme to participate and present paper in the InterDrought-V Conference.

Saroj Kumar Sah under the guidance of Dr. S. Hemalatha has won Young Scientist travel award at International conference on microbiome in health, disease and environment held at Central Inter-Disciplinary Research Facility, Sri Balaji Vidyapeeth, Puducherry, India 3-4 March, 2017.

Sneha .U under the guidance of Dr. R. Karthikeyan won Best Outreach Projectaward in National conference on advances in Biotechnology and Health Sciences" held on (14-03-17 to 15-03-17) in Dr.MGR Educational and Research Institute University, Chennai

Logesh .R under the guidance of Dr. Neesar Ahmed won Best Individuality project award in National conference on advances in Biotechnology and Health Sciences" held on (14-03-17 to 15-03-17) in Dr.MGR Educational and Research Institute University, Chennai

## Post graduate students

Ms. Zakia Fathima, M.Sc Biotechnology, class of 2016 has cleared the all India level exam and interview. She has been selected for DBT sponsored Biotech Industrial Training Programme (BITP) with BCIL fellowship.

## Undergraduate students

Vinodhini. S III rd year B.Tech cancer biotechnology student under the guidance of Dr. Neesar Ahmed won "Best Revolutionary project award" in National conference on advances in Biotechnology and Health Sciences" held on (14-03-17 to 15-03-17) in Dr.MGR Educational and Research Institute University, Chennai

Sugirdhana. P III rd year B.Tech cancer biotechnology student under the guidance of Dr. M.K. Sangeetha won Best Science & Technology project award in National conference on advances in Biotechnology and Health Sciences" held on (14-03-17 to 15-03-17) in Dr.MGR Educational and Research Institute University, Chennai

Achievements by IIIrd year B.Tech students				
S.No	Name of the Student	Event	College	Participation/ Winning
1	Swetha	Infinitys	BSAU	Participation
2	Mubeena	Throwball	BSAU	Participation
3	Abirami	Dumb C	BSAU	Participation
4	Yogeshwari	Dumb C	BSAU	Participation
5	Srimathy	Dumb C	BSAU	Participation
6	P.Umamaheshwari	Vaanavil	BSAU	Participation
7	Abinaya	Vaanavil	BSAU	Participation
8	Kiruthiga	Dance Competition	Stanley medical College	I Place
9	Kiruthiga	Dance Competition	John Britto	I Place

Achievements by IInd year B.Tech students			
S. No	Name	Event	Position
1	Shruthy Priya P	Buck Memorial Tournament YMCA(August 2-3,2016)	1 <sup>st</sup> Place
	Priya V	Silver Jubilee Trophy B.S.Abdur Rahman Crescent University	1 <sup>st</sup> Place
	Gomathi R	(March 2-3 2017) All India Inter University Ball Badminton Tournament (December 29 – January 2, 2017)	2 <sup>nd</sup> Place
2	Shruthy Priya P	Tour De Crescent cyclothon (February 19, 2017)	2 <sup>nd</sup> Place
3	Hemashri R M	<b>March - 2016</b> Ms. Crescent Dancer Ms. Crescent Anchor	Winner
		<b>Literary Day, November - 2016</b> Elevator Pitching	1 <sup>st</sup> Place
		Oration	2 <sup>nd</sup> Place
		Shipwreck	3 <sup>rd</sup> Place
		Director	2 <sup>nd</sup> Place
4	B. Chandhini	<b>Literary Day</b> Poem Writing Directo	2 <sup>nd</sup> Place 2 <sup>nd</sup> Place
5	Balamurugan	Shadowgraph	1 <sup>st</sup> Place
6	S. Priyadarshini	Ms. Crescent Artist Creshunt 2017	2 <sup>nd</sup> Place
7	T. Arshuya Reema	Ms. Crescent Singer (March, 2016)	1 <sup>st</sup> Place

		Ms. Crescent Singer(February, 2017)	1 <sup>st</sup> Place
8.	Tasneem Ismail	Chemistry Symposium (April, 2016) Paper Presentation	2 <sup>nd</sup> Place
9.	Mohammed Faizal Eeman M	<b>Literary Day - 2016</b> Short Film	1 <sup>st</sup> Place
10.	Sarvath Aafreen	<b>UG Symposium (October, 2016)</b> Poster Presentation	2 <sup>nd</sup> Place
11.	S. Wasim	<b>Cyclotron, November, 2016</b> Cycle Rally	3 <sup>rd</sup> Place

#### Achievements by 1st year B.Tech students

S. No	Name of the student	Date of event	Name of event	Prize winner (Position)
1	S. Asfar Lathif	8/3/17	Darul Hikmah (Hadeeth)	Third
2	S. Asfar Lathif	8/3/17	Darul Hikmah (Supplication)	Second
3	S. Asfar Lathif	26/8/17	AICE (Asmat-ul-Husna)	Consolation
4	Mohseen fathima	26/8/17	AICE (Overall)	Best Participant award-Cash Prize
5	Devadarsini T	02/02/17	Founder's Trophy, BSAU	Winners
6	Devadarsini T	29/02/16	All India University Ball Badminton	Runners
7	Dinesh P R	03/02/17	Cricket Intramurals	Semifinalist
8	Krithika.V.	04/02/17	Dubsmash Crestech	First Prize

#### Developmental Activities Under graduate research symposium II 2016



UGRS II was conducted by SLS on October 18, 2016, the day started with a formal inauguration by the Vice chancellor Dr.V.M.Periasamy followed by lectures delivered by well renowned Entrepreneurs Dr. Charles John Baskhar from Geo Marine Biotechnologies and Dr. S.Kavitha FIB-SOL Life Technologies Pvt.Ltd. 78 posters were presented by the undergraduate students.



**Roof Top organic herbal Garden initiated by the II year B.Tech students - Co ordinator Dr. Soumen Bera**





**Society Activities**  
**Industrial Visit- Irula Tribal Women Welfare Society (ITWWS) Chengalpet-for II Year**  
**B.Tech**  
**on 5<sup>th</sup> October 2016.**



**Industrial Visit- Eppendorf India Limited Ambattur- for III Year B.Tech [Biotechnology & Cancer Biotechnology] on 5<sup>th</sup> & 6<sup>th</sup> October 2016.**





## Biotechnology Student Association

The Biotechnology Students Association initiation of activities of 2016 on 19th March 2016 by Prof. Ammasi Periyasami, University of Virginia, USA



Vaccination Awareness Program on world Immunology Day by Students and Faculty of School of Life Sciences on 29th April 2016.



World Immunology Day 2016- Vaccination Awareness Program at Keerapakkam village

## MoU Signed

### Xinovem

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



### University of Virginia

MOU was signed with W.M. Keck Center for cellular imaging, University of Virginia located in Charlottesville, VA 22904, USA on February, 8, 2016.



### Biozone Research Technologies Pvt. Ltd

School of Life Sciences signed MOU with Biozone Research Technologies Pvt. Ltd., Chennai, on 7th April 2016.





**V Clinbio**

School of Life Sciences signed MOU with V Clinbio, USA 8th June, 2016



**14. PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES FOR THE PERIOD JAN 2016 to DEC 2016 (for the University)**

National Conference	International Conference	National Journal	International Journal	Total
47	103	116	131	397

**University of East London**

MOU was signed on August 2, 2016 with University of East London, UK



**Geomarine biotechnologies**

MOU was signed with Geomarine biotechnologies on 24.11.2016



**Aaranya biosciences**

MoU signed with Aaranya biosciences on 24.11.2016



**Hi Rise Food technology lab**

MoU was signed with Hi Rise Food technologies on 24.11.2016





### **iBig foundation**

School of Life Sciences has signed MOU today (17.2.17) with iBig foundation, Chennai to do collaborative research in biological big data informatics.



### **Saveetha dental college**

School of Life Sciences signed MOU with Saveetha dental college, Saveetha university, Chennai on 15.3.2017



### **Important Visitors**

Dr. Subbu Apparsundaram, V Clinbio, USA and his team visited school of life sciences and discussed about the possible areas of research collaborations on **8th June, 2016**



**The following members have visited SLS during industry institute meet held in October, 2016**

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. Karthikayalu S, CEO and founder, AxioGen Biotech, Chennai Ms. Priya,  
Training Manager, Eppendorf India Ltd

Dr. Charles John Baskhar, Scientist & Managing Director, GeoMarine  
Biotechnologies (P) Ltd

Ms. Priyaa, Co-Founder & Head Operations, Xinovem

Dr. Tamil Selvan, Managing Director, BRFChennai.

Mr. Thameem Ansari, Manager - Training & Development, Halal India

Dr.Arumugam Muruganandam, Managing Director & Chief Scientific Officer,  
Affigenix

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



Any Other Information

### **1. Special coaching for the NET and GATE classes for B.Tech students**

#### **NET:**

3h per week- free slots and week ends are utilized; Mock tests are conducted during summer and winter break

#### **GATE:**

3h per week -free slots and week ends are utilized; Mock tests are conducted during summer and winter break



# **SCHOOL OF ISLAMIC STUDIES**



## SCHOOL OF ISLAMIC STUDIES

- New Programmes Started

### M.A. Islamic Studies

- Value Added Programmes Started

NIL

- Training Programmes Offered

NIL

- Interdisciplinary Programmes Conducted

NIL

- Conferences / FDP / Seminars / Workshops Conducted

S. No	Name of the Seminar/ Conference/ Workshops	Organized by	Month and Year
1.	<b>National Workshop on Translation Skill Development: Arabic - English (Arablation 2017).</b>	<b>School of Islamic Studies</b>	<b>25<sup>th</sup> February, 2017</b>

The School of Islamic Studies, B.S. Abdur Rahman University organized a one day National workshop on Translation Skill Development: Arabic – English (Arablation – 2017) at the University Convention Centre on 25<sup>th</sup> February 2017. It has provided a good opportunity for the teachers, learners and the students of Arabic language. About 75 candidates participated in the workshop and got benefitted.

Alhaj Ashraf Abdur Raman Buhari, the governing body member of B.S. Abdur Rahman Crescent University presided the valedictory session and distributed the certificates to all the participants. Dr. V. Murugesan – Registrar, BSACU, Alhaj VNA Jalal, Director – Admissions, BSACU felicitated.





- 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	Presented a research paper on the topic ' <b>Shafi School of Thought: An Analytic Study of its Revival</b> ' in the International Research Conference on Social Sciences, Humanities and Interdisciplinary Studies (RCSSHIS - 2016) – Thailand.	16 <sup>th</sup> December 2016

National 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	Delivered the keynote address in One Day National Seminar on ' <b>Role of Educational institutions in the Development of Arabic Language and Literature in South India</b> ' organized by PG & Research Department of Arabic, The New College, Chennai, India.	7 <sup>th</sup> March 2017.
2.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	Presented a paper on the topic 'Development of Arabic Language under the leadership of Jamal Mohamed' in One Day National Seminar on ' <b>Role of Educational institutions in the Development of Arabic Language and Literature in South India</b> ' organized by PG & Research Department of Arabic, The New College, Chennai, India.	7 <sup>th</sup> March 2017.
3.	School of Islamic Studies	Mr. A. Abdul Hai Nadwi	Presented a paper on the topic 'Role of wall magazines in the development of Arabic Language' in One Day National Seminar on ' <b>Role of Educational institutions in the Development of Arabic Language and Literature in South India</b> ' organized by PG &	7 <sup>th</sup> March 2017.



			Research Department of Arabic, The New College, Chennai, India.	
4.	School of Islamic Studies	Mr. S. Abdus Samad Nadwi	Presented a paper on the topic ‘‘Role Of Educational Institutions of B.S. Abdur Rahman in the development of Arabic Language and literature’ in One Day National Seminar on <b>‘Role of Educational institutions in the Development of Arabic Language and Literature in South India’</b> organized by PG & Research Department of Arabic, The New College, Chennai, India.	7 <sup>th</sup> March 2017.
5.	School of Islamic Studies	Mr. M. Ahamedullah Al Bukhari	Presented a paper on the topic ‘Role of wall magazines in the development of Arabic Language’ in One Day National Seminar on <b>‘Role of Educational institutions in the Development of Arabic Language and Literature in South India’</b> organized by PG & Research Department of Arabic, The New College, Chennai, India.	7 <sup>th</sup> March 2017.

Workshop:

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	Acted as a resource person in National Workshop on <b>‘Translation Skill Development: Arabic - English (ARABLATION - 2017)’</b> , Organized by School of Islamic Studies, B.S. Abdur Rahman Crescent University, Chennai.	25 <sup>th</sup> February 2017
2.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	Two Day Workshop on <b>‘Research Methodology and Quality Assurance’</b> , Organized by Office of Dean (Academic Research), B.S. Abdur Rahman University, Chennai.	2 <sup>nd</sup> & 3 <sup>rd</sup> December 2016
3.	School of Islamic	Mr. A.M. Ali Ibrahim	National Workshop on <b>‘Translation Skill Development: Arabic - English</b>	25 <sup>th</sup> February

	Studies	Jamali	( <b>ARABLATION - 2017</b> )', Organized by School of Islamic Studies, B.S. Abdur Rahman Crescent University, Chennai.	2017
4.	School of Islamic Studies	Mr. A.M. Ali Ibrahim Jamali	Acted as a resource person in One Day State level Workshop on ' <b>The Modern Approach to teach Arabic Language</b> ', Organized by Department of Islamic Studies, Sadakathullah Appa College, Tirunelveli, India.	30 <sup>th</sup> March 2017
5.	School of Islamic Studies	Mr. A. Abdul Hai Nadwi	National Workshop on ' <b>Translation Skill Development: Arabic - English (ARABLATION - 2017)</b> ', Organized by School of Islamic Studies, B.S. Abdur Rahman Crescent University, Chennai.	25 <sup>th</sup> February 2017
6.	School of Islamic Studies	Mr. S. Abdus Samad Nadwi	National Workshop on ' <b>Translation Skill Development: Arabic - English (ARABLATION - 2017)</b> ', Organized by School of Islamic Studies, B.S. Abdur Rahman Crescent University, Chennai.	25 <sup>th</sup> February 2017
7.	School of Islamic Studies	Mr. M. Ahamedullah Al Bukhari	Two Day Workshop on ' <b>Research Methodology and Quality Assurance</b> ', Organized by Office of Dean (Academic Research) , B.S. Abdur Rahman University, Chennai.	2 <sup>nd</sup> & 3 <sup>rd</sup> December 2016
8.	School of Islamic Studies	Mr. M. Ahamedullah Al Bukhari	National Workshop on ' <b>Translation Skill Development: Arabic - English (ARABLATION - 2017)</b> ', Organized by School of Islamic Studies, B.S. Abdur Rahman Crescent University, Chennai.	25 <sup>th</sup> February 2017

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

National Conference	International Conference	National Journal	International Journal	Total
<b>7</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>10</b>

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

International Journal:

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	Shafi School of Thought: An Analytic Study of its Revival	International Research Conference on Social Sciences, Humanities and Interdisciplinary Studies (RCSSHIS - 2016) – Thailand.	ISBN: 978-93-84468-86-6	ISBN: 978-93-84468-86-6	Page No: 1-14	December 2016
2.	Mr. A.M. Ali Ibrahim Jamali	A critical analysis on the novels of Jurji Zaidan	Nova Journal of Arabic Studies, Nova Publications, Canada. ISSN: 2368-6758.	4(2)	2016: 1-7	Page No: 1-7	November 2016

National Journal:

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.	Mr. A.M. Ali Ibrahim Jamali	Great deeds of Prophet in establishing global peace	Proceedings of the National Seminar on 'Prophetic Guidance for World Peace', organized by PG & Research Department of Arabic, The New College, Chennai.	ISBN: 978-93-81992-50-0	--	Page No: 107-116	March 2017
2.	Mr. S. Abdus Samad Nadwi	Global peace and Human security in the light of Quran and	Proceedings of the National Seminar on 'Prophetic Guidance for World Peace', organized by PG &	ISBN: 978-93-81992-50-0	--	Page No: 149-158	March 2017

		Hadeeth	Research Department of Arabic, The New College, Chennai.				
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- Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	<b>Nil</b>				

- Book Published
  - Mr. A.M. Ali Ibrahim, AP – SIS, has published a book titled ‘Al Asaleebul Balagiyya fil Aayaatil Ilahiyya’ (Rhetoric Styles in Holy Quran) by Noor Publishing, Germany with ISBN: 978-3-330-85304-1.
- International Visits By Faculty / Students
  - Dr. P.S. Syed Masood Jamali, Dean – SIS visited Thailand in December 2016, attended an International conference and initiated collaboration with St. Theresa International College (Deemed University), Bangkok, Thailand
- Achievements of Staff
  - ❖ Mr. A.M. Ali Ibrahim, AP – SIS, has published a book titled ‘Al Asaleebul Balagiyya fil Aayaatil Ilahiyya’ (Rhetoric Styles in Holy Quran) by Noor Publishing, Germany with ISBN: 978-3-330-85304-1.
  - ❖ Mr. S. Abdus Samad, AP – SIS, has submitted his Ph.D thesis and expecting the Viva – Voce examination in April 2017.
  - ❖ Mr. A.M. Ali Ibrahim, AP – SIS, has been selected as the Editorial Board member in Nova Journal of Arabic Studies, Nova Publishers, Canada.
  - ❖ Mr. A. Abdul Hai, AP – SIS, has submitted his Ph.D thesis in the University of Madras.
- Achievements of Students

S.No.	Name of the Students	Class	Title of the Award, Issuing Institution or Organization , venue and date

		<b>&amp; Section</b>	
1.	Sheik Abdullah. S	B.A.I.S. III year	Won the Second prize in Arabic Oratorical competition in the “SOUL - 2016” organized by Hindustan College of Arts and Science, Chennai.

- Developmental Activities
  - Revamped the syllabus and curriculum of B.A. Islamic Studies and M.A. Islamic Studies
- 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. Once in a semester, after scrutinizing the application received from the needy students, scholarships and medical aids are dispersed.
- Extension Activity Conducted
  - Dr. P.S. Syed Masood Jamali, Dean, conducted a workshop on “Translation Skill Development: Arabic – English (Arablation – 2017)” in BSACU Convention Centre, B.S. Abdur Rahman Crescent University on 25.02.2017.
  - Dr. P.S. Syed Masood Jamali, Dean – SIS was the External examiner in Viva Voce Examination of two Ph.D Scholars in the University of Madras.
  - Mr. A.M. Ali Ibrahim Jamali was a Resource person in the workshop on ‘New Methods in teaching Arabic grammar’ on 30<sup>th</sup> March, 2017 at Sadakathullah Appa College, Tirunelveli.
- Important Visitors
  - ❖ Mr. S.M. Hidayathullah, Social activist delivered a guest lecture on ‘Collection of Zakath fund and establishing Baithul Maal’ on 23.03.2017.
  - ❖ Mr. C.M.N. Saleem, Editor – Samooga neethi murasu, delivered a guest lecture on the topic ‘Career opportunities in Government Sectors’ on 02.03.2017.



# **SCHOOL OF SOCIAL SCIENCES & HUMANITIES**

- **Social Sciences & Humanities**
- **Dept. of English**

## SOCIAL SCIENCES & HUMANITIES

- New Programmes Started : Offered French as a language option to B.Tech Students
- Training Programmes Offered : Dr. P.M.Usha Rani ,Dean School of SSSH was a resource person in a Three day Training Programme at Anna University On “Team Building Skills” on 28.4.2017
- Details Of Publication In National & International Journals & Conferences: (IEEE Format)

**International Journal:** Dr. Moon Moon Hussain “Assam Drowns Every Year: Challenges of Women during the Floods and Building Adaptive Capacity” published by International Journal of Research in Economics and Social Sciences (IJRESS), ISSN:2249-7382, Impact Factor 6.939, Vol.7, Issue 1, January-2017, pp 99-106.

Dr.P Devi “Knowledge and Adoption of family planning practices among adolescent mothers in rural Tamil Nadu” published by International Journal of Research in Economics and Social Sciences (IJRESS), ISSN:2249-7382, Impact Factor 6.939, Vol.7, Issue 1, January-2017, pp 124-131

Mr. C. Noushad Assistant Professor of Sociology has published a paper titled “Nair Matrilny then and now: revisiting Gender Relation in Kerala” in International Journal of Interdisciplinary and multidisciplinary Research, Dason research Foundation ISSN 2456-4567

### **Book Publication: International**

Muhammed Jamsheer TP “Migration in India: Divergence Experience among the Rural Folk” ISBN 9783330005990 Published Lambert Publication, Germany on November 2016

National Journal: Muhammed Jamsheer TP “Female based Non-Economic Internal Migration in India: An analysis of NSS Rounds on Migration” Presented in national conference held at Pondichery University on October 2016

**International Conference:** Muhammed Jamsheer TP “Inclusive Growth and Migration: Un-exclusive Development Experience of Kerala” Presented in international conference held at Shri Dharmasthala Manjunatheshara Institute of Management Development(SDMIMD), Mysore on November 2016

**National Conference:** Muhammed Jamsheer TP “Female based Non-Economic Internal Migration in India: An analysis of NSS Rounds on Migration” Presented in national conference held at Pondichery University on October 2016



- Details of Impact Factor Of The Publication H-Index  
A) Range B) Average C) H-Index D) No. In Scopus

**Book Published Book Publication:** International  
Muhammed Jamsheer TP "Migration in India: Divergence Experience among the Rural Folk"  
ISBN 97833330005990 Published Lambert Publication, Germany on November 2016



# DEPARTMENT OF ENGLISH



## DEPARTMENT OF ENGLISH

### Training Programmes Offered

- **Dr. Revathi Viswanathan**, Professor and Head, offered training in communication skills for Infotech Employees in September 2016.
- **Dr.A.Shahin Sultana, Professor--** organized a five day training programme on communication skills to the laboratory technicians of the various laboratories of the university and also conducted sessions for them in January 2016.
- **Dr.P.Rathna, Asso.Professor-** conducted sessions for the Training Programme on Communication Skills to the employees of Jasmine Infotech during September 2016.

### Conferences / FDP / Seminars / Workshops Conducted

- **Dr.Revathi Viswanathan, Professor & Head** A one-Day Colloquium on 'Emerging Theories and Applications in English Literature and Language Teaching Research' for research scholars in B.S.Abdur Rahman University on 13th February 2016.
- An ICSSR- Sponsored Two-Day National Workshop on 'Virtual Learning' for teachers in B.S.Abdur Rahman University on 3rd and 4th February 2017.
- **Dr.A.Shahin Sultana, Professo** Organized a two day ICMR sponsored National Conference titled "Women and Mental Health-A PsychoSocial Perspective in February 2016.
- **Dr.H.Sofia** Conducted a workshop on 'Motivation for Career factors' for Crescent Soft skills Development Society on 1.9.2016.  
Conducted sessions for a five day training programme on communication skills to the laboratory technicians of the various laboratories of the university in January 2016

### Conferences / FDP / Seminars / Workshops Attended

- **Dr.Revathi Viswanathan, Professor & Head**  
Attended '11th International and 47th National ELTAI Conference' in Hyderabad in July 2016.
- **Dr.A.Shahin Sultana, Professor**
- Attended the Centre Exam Managers' Conference organized by Cambridge Language Assessment.

- Attended a one day Colloquium titled “Emerging Technologies and Applications in English Literature and Language Teaching ” conducted by the Department of English.
- Attended a two day ICSSR sponsored workshop on “Virtual Learning ”.
- Attended a one day workshop on “Commercialization of Intellectual Property and Quality Assurance in Higher Education”

**Dr.P.Rathna, Associate Professor.**

- Attended a training programme on turnitin software on 5.10.2016 at BSAU
- Attended a workshop on Research Methodology & Quality Research on 3.12.2016 at BSAU
- Attended a National seminar on Life WRITING organised by Dr.MGR Janaki College of Arts and Science for women on 6<sup>th</sup> Jan 2017.
- Attended a two day National level workshop on Virtual learning organised by the Department of English, BSAU during 3-4 February 2017.

**Dr.H.Sofia**

1. A one-day National Seminar on ‘ Communication Skills and Beyond- A Pragmatic Approach’ on 15th March 2017 Organized by Department of English, Valliammai Engineering College. S.R.M. Nagar, Kattankulathur
2. A one-Day Colloquium on ‘Emerging Theories and Applications in English Literature and Language Teaching Research’ for research scholars in B.S.Abdur Rahman University on 13th February 2016.
3. An ICSSR- Sponsored Two-Day National Workshop on ‘Virtual Learning’ for teachers in B.S.Abdur Rahman University on 3rd and 4th February 2017.
4. A Cambridge English Teachers Support Workshop conducted in Cambridge English office,Chennai on 17<sup>th</sup> & 18<sup>th</sup> June 2016.
5. A one day workshop on ‘Academic Writing in Refereed Journals and Emerging Trends in Research in English Literature and English Language Teaching’ at VIT, Chennai on 10th March, 2016.
6. A one day workshop on ‘ICT in Language Teaching and Learning at the Tertiary Level’ at Anna University,Chennai on 5th March 2016.
7. A one day workshop on ‘Creative Thinking’ at B.S.Abdur Rahman University on 19th and 20th January 2016.
8. Attended a training programme on turnitin software on 5.10.2016 at BSAU
9. Attended a workshop on Research Methodology & Quality Research on 3.12.2016 at BSAU

Papers Published/ Presented In Journals & Conferences

(Total Numbers Only)

National Conference	International Conference	National Journal	International Journal	Total
1(SS) HS(1) 3(GV)1(PR)	2 (RV) 1(SI)		3(SS) 1(UR)1(HS) 1(CA) 2(SV) 1(SI) 2(PR)	20

Details of Publication In National & International Journals & Conferences: (IEEE Format)

International Journal:

**Dr.P.M.Usha Rani,Professor & Dean**

"Employability Skills as an Integral part of ESI curriculum" in the Journal titled Language in India in Vol.17, Issue 1 January 2017 , pp 164-189 bearing ISSN 1930-2940.

**Dr.A.Shahin Sultana, Professor**

i.VijayaKumar.S and Shahin Sultana.A“ Impact of Web Based Intervention in Writing Classroom”. Man in India(2016).96(5),1543-51.

ii.Nazir Ahmad Mir,Shahin Sultana.A “An Interdependence of Materials,Teaching Practices and Policy : A Study.”Theory and Practice in Language Studies (2016)6 (5),907-918.

iii.Mir,NazirAhmad and Dr.A.Shahin Sultana, Alireza Dehbozorgi “Tripolar Synergies;Instructional Materials, Tasks and Methods ’.Man in India (2016) 96(9),2873-2893.

**Dr.P.Rathna, Associate Professor**

· 1. Joison Frank, P.Rathna. (2016, November). Exploration through “Dyche”: An Indigenous Study of *Yoikana* and *That Deadman Dance*. *3L: The Southeast Asian Journal of English Language Studies*. [online] Vol 22(3): 185 – 194.Available: <http://ejournal.ukm.my/3l/article/view/12812>.

· 2. Joison Frank, P.Rathna. (2016, November). **Manifestations of Dyche: An Indigenous Study of M.C. Raj’s Yoikana: The Romantic Revolution and Kim Scott’s That Deadman Dance.***Man In India*. [online] 96 (11) : 4277-4289. Available: [http://serialsjournals.com/articles.php?volumesno\\_id=1122&journals\\_id=40&volumes\\_id=836](http://serialsjournals.com/articles.php?volumesno_id=1122&journals_id=40&volumes_id=836).

**Dr.H.Sofia**

1.Sofia,H.The use of ICT tools in English Language Teaching: My Classroom experiences,LANGLIT,2 (4), 343-41 31<sup>st</sup> May 2016

**·Mrs.A. Catherine Anna Pushpam.**

Catherine Anna Pushpam A, "Use of Alternative Assessment in engineering classes", LangLit, vol.3, issue 1, pp.59 – 62, August 2016.

**Mr.S.Vijayakumar**

Vijayakumar.S and Shahin Sultana A. "Integration of Multimedia for Teaching Writing Skills." *CALL-EJ* 2.17 (2016): 55-84. *Scopus*. Web.

Vijayakumar, S. "Impact of Web-Based Intervention in a Writing Classroom." *Man in India* 5.96 (2016): 1543-551. *Scopus*. Web.

**Mrs.A.Grace Vinitha**

Vinitha Grace A. 'Exploitation of Women in Shauna Sing Baldwin's, "The Selector of Souls", LITERARY ENDEAVOUR International Refereed Journal of English Language, Literature and Criticism, ISSN 0976-299X: Vol.VIII.Issue:1 (January, 2017).

**Dr.Md.Sahidul Islam**

1. Islam, Md. Sahidul. "Women's Education in Afghanistan: A Study with Special Reference to the Novels of Khaled Hosseini." *Social Sciences: International Research Journal*. V: 2.2 (Aug 2016): 237-40. Print. ISSN 2395–0544; ISBN 978-93-84124-78-6.

International Conference:

Sahidul Islam.A, "Women's Education in Afghanistan: A Study with Special Reference to the Novels of Khaled Hosseini" in an International Conference on Women and Education held in Vijayawada, Andhra Pradesh, India by International Multidisciplinary Research Foundation (in Collaboration with Center for Scientific Research Education) on 15<sup>th</sup> & 16<sup>th</sup> July 2016.

National Conference:

**Dr.A.Shahin Sultana, Professor**

Mir Nazir Ahmad and Dr.A.Shahin Sultana ."Linguistic Violence Against Women:A Psychosocial Perspective" in the proceedings of ICMR sponsored National Conference "Women and Mental Health : A Psychosocial Perspective."(2016)27-36.

**Dr.P.Rathna, Associate Professor**

P.Rathna. (2017, January) Life Writings of the Marginalised: A Study of Dalit Life Writings through Autoethnographical Lens. Presented at Life Writing organized by Dr.MGR Janaki College of Arts and Science for women.

**Dr.H.Sofia**



Sofia.H '**Soft skills for success in today's workplace**' in the one-day National Conference on ' Communication Skills and Beyond- A Pragmatic Approach' on 15th March 2017 Organized by Department of English, Valliammai Engineering College.

S.R.M. Nagar, Kattankulathur ISBN 978-81-89843-83-0.

Details of Impact Factor Of The Publication H-Index

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

**Dr.P.Rathna, Associate Professor**

C) H-Index:

3L: 4;

Man in India: 5

D) No. In Scopus

3L: 19700200922

Man in India: 82170

**Mr.S.Vijayakumar, Assistant Professor**

c) H-Index:

Man in India: 5

CALL-EJ:3

Sponsored Research (Ongoing / Applied)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount (Rs)	Status
1.	Dr. Revathi Viswanathan	ICSSR	'Training in Virtual Learning'	1,00,000/-	Completed
2.	Dr.P.Rathna& Mr.S.Vijayakumar	National Council for Science&Technology Communication (NCSTC), Department	Enhancing Scientific & Technical Writing Skills – A Two Week Intensive Programme for Doctoral Research Scholars in Science and	3,20,300	Applied

		of Science and Technology	Technology”		
3.	Dr.H.Sofia	ICSSR	‘Facilitate the Facilitator’	75,000/	Applied

Major Equipment Purchased -- NA

Book Published

**Dr.Revathi Viswanathan, Professor & Head**

A Chapter on ‘Language Skills training through Mobile Apps: Opportunities & Challenges’ in the book entitled, ‘Accelerated Opportunity Education Models and Practices’, IGI Global publication in July 2016.

**Dr.H.Sofia**

Sofia,H.Teaching Technical writing skills using Web 2.0 Technology.Lambert Academic Publishing, Germany, Feb 2016

Achievements of Staff

**Dr.A.Shahin Sultana, Professor**

Was awarded “Staff of the year-2016 –All rounder award by Cambridge English Language Assessment in 2016.

Achievements of Students --NA

Developmental Activities

**Dr.Revathi Viswanathan, Professor & Head**

Completed a course on ‘Classroom Based Research for Professional Development’ conducted by Class-Based Research EVO 2016 in March 2016.

Completed a course on ‘Materials Development for Online Language Courses’ conducted by NFLRC, Hawaii in September 2016.

**Dr.H.Sofia**

1.Completed a five week online course in Coursera titled “Teaching Character and Creating Positive Classrooms” conducted by Relay Graduate School of Education during the period 13.2.107-22.3.2017.

2.Dr.H.Sofia, Assoc.Prof/English was a resource person for "Effective Communication", in the one day workshop on "Website Development and Soft Skills" organized by the Department of Computer Applications , BSACU on 01.03.2017.

**Mrs.A. Catherine Anna Pushpam.**

Completed the six-week online course on “Assessment and Teaching of 21<sup>st</sup> Century Skills” on Coursera conducted by the University of Melbourne from October 2016 to November 2016.

Extension Activity Conducted

**Dr.Revathi Viswanathan, Professor & Head**

Conducted a session on ‘Virtual Learning’ for teachers in Loyola College in February 2016.

Served as a judge to evaluate ICT projects of Kendriya Vidyalaya teachers in February 2016.

**Dr.A.Shahin Sultana, Professor**

Conducted the International Exam-Business English Certificate Examination(Preliminary level)in November 2016 in collaboration with Exam Cell.

**Dr.P.Rathna, Associate Professor**

1.As the Coordinator of Students E-Magazine, Dr.P.Rathna, Asso.Professor/English coordinated the event “**Launch of the monthly edition of the magazine “Writers Inc.”**” on 03.05.2016.

2.As the Staff- in- charge of Literary Club, coordinated Literary Day, an intra collegiate literary event which was conducted on 2<sup>nd</sup> November 2016.

Any Other Information

**Dr.Revathi Viswanathan, Professor & Head**

Serving as review Board Member for International Journal of Computer Assisted Language Learning (IJCALLT) and Encyclopedia of Information Science and Technology (4th Edition).

Handling a Book Project entitled, ‘Mobile Assisted Language Acquisition and Teaching’ since December 2016.

**Dr.A.Shahin Sultana, Professor**

- 1.Academic Coordinator of Business English Certificate Courses
- 2.Member of the editorial board of the International Journal-TESOL
- 3.Member of the International Journal-English for Specific Purposes World
- 4.Academic Coordinator of Asian ESP Journal.

**Dr.P.Rathna, Associate Professor**

- 1. Dr.P.Rathna, Asso.Professor/English delivered a lecture on “Soft Skills” in a workshop on “Problem Solving and Soft skills” organised by the Computer Applications Department on 7<sup>th</sup> March 2017.
- 2. Delivered a key note address on “Educational Status of Women” in a two day state level seminar on “Women as a Prestigious Community” organised by Crescent College of Education, Madurai, on 10.03.2017.

# DEPARTMENT OF PHYSICAL EDUCATION



## PHYSICAL EDUCATION

The performance of our students in the field of sports and games during this academic year 2016 – 17 is quite impressive due to the fact that our students have to compete at the National level and State level competitions against quality teams.

This year the Department of Physical Education organized the Annual State level tournaments, For this we have organized 17<sup>th</sup> Founder's trophy Football tournaments for men, 11<sup>th</sup> Prof. S. Peer Mohamed Memorial trophy Basket Ball tournaments for Men and 9<sup>th</sup> Silver Jubilee trophy Ball Badminton tournament for Men and Women during the month of March 2017. All the top Universities and Engineering Colleges from all over the State were invited for the tournaments and we witnessed high quality performance from the teams. The total cash prizes to the tune of Rs. 44,000/- were awarded to the first four prize Winners in all the games in addition to Rolling Trophies, individual prizes and certificates. All the participants, Team managers and officials were provided free boarding by our management.

At the beginning of this academic year, selection trials were conducted in all Games & Sports and Athletic events for Men and Women students separately and also Coaching Camps were organized periodically to improve the skills and fitness level of students for better performance in the inter University and inter institutional tournaments. The captains of various teams were selected.

Mr. Abubacker Md.Allam of IV Mech was nominated as sports secretary, Mr.M.Saravanan IV CSE, Mr.B. Sakthignanavel - IV ECE, Mr.A. Arsath Ali - III MCA Ms. A.Gayathri Devi – IV ECE, Ms. S. Yasmin - I M.Tech (E&I) Ms. T.Snigdha – II M.Sc.(Physics) were nominated as Joint Secretaries.

Our students have brought laurels to our University in various competitions for this year and the following are the achievements.

### FOOTBALL:

Our University Football team won the 17<sup>th</sup> State Level Founder's trophy Football tournament for men with a cash prize of Rs. 5,000 organized by our University and also Mr. Abubacker Md Allam – IV Mech **won Best player Award** in this tournament.

Our Football team also won the Inter Institutional tournament organized by TNPA (Tamilnadu Police Academy), Chennai.

### BALL BADMINTON:

Our University Ball Badminton Women team **won the Runners Up Position in All India Inter University Ball Badminton Tournament** in which 90 teams from all over India were participated in this great event organized by SRM University from 28<sup>th</sup> December - 2016 to 2<sup>nd</sup> January- 2017. This is the greatest achievements by our students and also

Our women team won the 9<sup>th</sup> State Level Silver Jubilee trophy with a cash prize of Rs. 5,000 organized by our University and also Ms. S.Yasmin – I M. Tech (E&I) **won Best player Award** in this tournament.

Our women team also won the State Level Ball Badminton Tournament organized by YMCA College of Physical Education, Chennai

Three of our Ball Badminton Women Team Players Ms. M.Keerthana - I MBA , Ms. S.Yasmin- IM.TECH (E&I) and Ms. P.Salu - III MCA were selected to represent the Indian University Ball Badminton Team to participate in the Senior National Ball Badminton Tournament organized by Mangalore University (Karnataka) held at Alva's Group of Institution , Moodbithiri from 18<sup>th</sup> to 23<sup>rd</sup> Feb-2017 and also

Two of our Ball Badminton Women Team Players Ms.T.Snigdha - II M.Sc. (Physics) and Ms. P.V.S.N. Jayalakshmi – II P.E were selected to represent Andra State Ball Badminton Women team and won the Third Position in the Senior National Ball Badminton Tournament and Ms.T.Snigdha - II M.Sc.(Physics) has **won the Award “STAR OF INDIA”** organized by Alva's Group of Institutions, Moodbithiri held at Mangalore University from 18<sup>th</sup> to 23<sup>rd</sup> February 2017.

Our Men team won the Runners Up position in the 9<sup>th</sup> State Level Silver Jubilee Trophy Ball Badminton tournament with a cash prize of Rs. 3,000 organized by our University.

Our Men Ball Badminton team won the Runners-up position with cash prize of Rs. 4,000 in the District Level open tournament organized by Eagle Town Ball Badminton club, Thirukkalukundram.

Our Men team won the District level Ball Badminton Tournament with a cash prize of Rs. 8,000 Organized by MSDA (Mamallapuram Sports Development Association), Mamallapuram.

Our Men team won the District level B'Grade Tournament with a cash prize of Rs. 5,000 Organized by Crystal Ball Badminton Club held at Karpaga Vinayaga College of Engg. Madurantagam and also two of students won best Player award Mr. N. Gopinath - II P.E & Mr. P. Jothi Prakash – I BCA

Our Men team won the Runners-up position with a cash prize of Rs. 10,000 in the Three District 2 senior - Deivendran Memorial Ball Badminton Tournament Organized by Student's Ball Badminton Club, Chengalpattu.

Two of our Ball Badminton Men Team Players Mr. N.Sathish kumar - II B.TECH (CIVIL) and Mr. P.Jothy prakash- I BCA were selected to represent the Tamilnadu Junior Ball Badminton Team and won the 62<sup>nd</sup> Junior National Ball Badminton Championship



2016-17 organized by Telangana State Ball Badminton Association, Bellampalli, Telangana (AP) from 8<sup>th</sup> to 12<sup>th</sup> February -2017. One of the team member Mr.N. Sathish kumar - II B.TECH (CIVIL) clinched the “ **Star of India**” award.

### **BALL BADMINTON (STAFF) TEAM**

To add to the achievements by students our University staff Ball Badminton Men team won the Inter Institutional tournament organized by IIT Madras recently.

Our Staff Men and Women combined team won the YMCA Tournament Organized by YMCA College of Physical Education in August 2016 and

Our Staff Men team won the ESPO-2017 Staff Ball Badminton Tournament Organized by Ethiraj College for Women in February-2017.

Dr. P. Sheik Abdul Kader, Director, Data Center, Dr.R.Auvai, DPE Dr.S.Chandran, Advisor/PED Mr. Murali Manohar AP/PE , Dr. M. P. Srinivasan, Assistant Librarian, Mr. T. Velmurugan, PTI, Mr. Dinesh AP/ Mech, Mr. Anburaj, Office Staff, Mrs. Saira Banu, AP/CSE, and Mrs.Vijayalakshmi , AP/ IT were members of the above team.

### **CRICKET:**

Our Cricket Men team won the Runners Up position in the State Level Dr. MGR Trophy Cricket 2017 Tournament for universities and colleges organized by Sathyabama University , Chennai from last week of January to 2<sup>nd</sup> week of February 2017 in which 58 teams participated from all over Tamilnadu for winning all the matches convincingly. This is the greatest achievements by our students and also

Our Cricket Men team won the Runners Up Position in the State Level Inter Collegiate Cricket Tournament organized by Dhanalakshmi College of Engineering, Chennai and also Our Cricket team won the Runners Up Position in Inter Institutional tournament organized by TNPA (Tamilnadu Police Academy), Chennai.

### **BASKET BALL:**

Our Basket Ball Men team won the Fourth position with cash prize of Rs. 1,000 in the 11<sup>th</sup> State Level Prof. S. Peer Mohamed Memorial Trophy Basket Ball tournament for men organized by our University and also won the Third Position in the State Level Inter Collegiate Basket Ball Tournament organized by Dhanalakshmi College of Engineering, Chennai

### **TENNIS:**

Our Tennis Men team won the Runners Up Position in the State Level Tennis Tournament organized by YMCA College of Physical Education and also Third Place in KCG Trophy-2017 organized by KCG College of Engg. & Tech Chennai

### **TABLE TENNIS:**

Our university Table Tennis Men team won the Fourth Place with cash prize of Rs, 1,000 in the All India Level SRM Founder's Trophy -2016 organized by SRM University, Potheri

### **ATHLETICS**

Our University Athletic women team participated and won the following Prizes in the **Inter Institutional Athletic Meet - 2016-17** organized by Tamilnadu Police Academy, Chennai on 19.11.2016

1.V.VIJAYALAKMI - I BCA

**II Place in 100 M Dash**

2. J. SANDHIYA - I ECE 'B'

**II Place in 400 M Dash**

3. **4X100 M Relay – II Place**

M. KEERTHANA - I MBA

KUSMA.THUMMAGUNTA - I CSE

V.PRIYA – II BIO - TECH

P.V.S.N.JAYALAKSHMI – II P.E

### **YOGA:**

Our University Yoga Men team won the following Positions in **the 2<sup>nd</sup> State Level Yogasana Championship-2017** organized by Vina Sri Yoga Centre Co – organized by Rotary Club of Gummudipoondi Industrial City & Gummudipoondi Yogasana Association held at Gummudipoondi on 05.02.2017. The following prizes were secured

#### **17-25 years age category**

1. **S. Rohit Kumar** – **II Mech 'D'**

I Place in Common category

I Place in Special Category (Backward Bending)

II Place in Special Category (Hand Balancing)

2. **A.S.A. Dharanivel** – **II Mech 'A'**

I Place in Special Category (Backward Bending)

II Place in Common Category

II Place in Special Category (Hand Balancing)

### **TAEKWONDO:**

**Mr. Yokash – I CSE** has won the **Gold Medal** in 17<sup>th</sup> State Level Teakwondo Championship -2017 (B.Sr.54-58 kg Weight Category) on 21<sup>st</sup> and 22<sup>nd</sup> January-2017 held at SDAT Ground, Thiruvallur and also

He was selected to represent the Tamilnadu Teakwondo Men Team and Won Silver Medal in the 36<sup>th</sup> National Teakwondo Championship in the Black belt Category at Dehradun, Uttarkhand from 4<sup>th</sup> to 6<sup>th</sup> Nov-2016 organised by Teakwondo Federation of India and also

He was participated in the All India Inter University Teakwondo Championship - 2017 (54-58 kg Weight Category) organized by MDU University , Rohtak, Hariyana from 19<sup>th</sup> to 22<sup>nd</sup> March -2017

Our University teams also participated in Basket Ball (Men & Women) Volley Ball, Foot Ball, Badminton (Men & Women), Throw ball (Women), Tennis, Table Tennis , Chess and Athletics in Tamilnadu State Inter University and other State Level tournaments for this year.

#### **ORGANIZED INTERNATIONAL YOGA DAY:**

The Department of Physical Education organized International Yoga Day on 21<sup>st</sup> June, 2016.

#### **The following events and activities were conducted:**

1. Online essay competition was conducted and prizes were awarded.
2. Yoga awareness training programme was organized to our faculty members and students
3. Banners, poster and charts about yoga postures were displayed.
4. Myself and students gave demonstration by performing various Asanas to the audience.

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

Our Chairman, Board of Management and the University authorities here are very magnanimous in admitting some students every year under sports quota in Ball Badminton (men and women), Tennis & Athletics with full scholarship and free hostel facility.



# **ACADEMIC COUNCIL**



## MEMBERS OF ACADEMIC COUNCIL

Sl. No.	Name and Address	Position
1.	<b>Dr. V.M. Periasamy,</b> <b>Vice Chancellor</b> B.S. Abdur Rahman University, Seethakathi Estate, Vandalur, Chennai 600 048.	Chairman
2.	<b>Dean, School of Infrastructure Sciences</b> B. S. Abdur Rahman University, Vandalur, Chennai – 600 048.	Member
3.	<b>Dean, School of Mechanical Sciences</b> Prof. & Head., Dept. Of Mech. Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
4.	<b>Dean, School of Electrical &amp; Communication Sciences,</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
5.	<b>Dean, Crescent School of Architecture</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
6.	<b>Dean, School of Physical and Chemical Sciences</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
7.	<b>Dean, School of Social Sciences and Humanities</b> B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
8.	<b>Dean, School of Islamic Studies</b> B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
9.	<b>Dean, School of Life Sciences</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
10.	<b>Dean, School of Computer, Information &amp; Mathematical Sciences</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
11.	<b>Dean , Crescent Business School</b> B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
12.	<b>Dean (Academic Affairs)</b> B.S. Abdur Rahman University, Vandalur, Chennai 48.	Member
13.	<b>Dean (Academic Research)</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48	Member
14.	<b>Dean (Student Affairs)</b> Prof. & HOD, Polymer Engineering, B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
15.	<b>Director (Admissions &amp; Campus Development)</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
16.	<b>Director, International Collaboration</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
17.	<b>Controller of Examinations,</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member

<b>Sl. No</b>	<b>Name and Address</b>	<b>Position</b>
<b>HEADS OF DEPARTMENT</b>		
18.	<b>Head., Dept. of Civil Engineering</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
19.	<b>Head., Department of Electronics and Communication Engg.</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
20.	<b>Head., Department of Computer Science &amp; Engg.</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
21.	<b>Head., Dept. of Information Technology.</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
22.	<b>Head., Dept. of Automobile Engg.</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
23.	<b>Head., Department of Aerospace Engineering</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
24.	<b>Head., Dept. of Mechanical Engineering</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
25.	<b>Head., Dept. of Electrical &amp; Electronics Engg.</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
26.	<b>Head., Dept. of Polymer Engineering</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
27.	<b>Head., Department of Electronics &amp; Instrumentation Engg.</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
28.	<b>Head., Department of Computer Applications</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
29.	<b>Head. Department of Mathematics</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
30.	<b>Head., Department of Physics</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
31.	<b>Head., Department of Chemistry</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
32.	<b>Head., Department of English</b> B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
33.	<b>Dr. Angelina Geetha,</b> Professor, Department of Computer Science & Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
34.	<b>Dr. Haider Yasmin</b> Professor, Crescent Business School B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
35.	<b>Dr. S. Kutti Rani</b> Professor, Department of Chemistry, B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
36.	<b>Prof. R. Rajaraman,</b> Professor, Department of Mechanical Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member



<b>Sl. No</b>	<b>Name and Address</b>	<b>Position</b>
37.	<b>Dr. W.Aisha Banu</b> Professor , Department of Computer Science and Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
38.	<b>Dr. N. Hajara Beevi</b> Professor, Department of Chemistry B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
39.	<b>Dr. C. Tharini</b> Professor, Department of Electronics & Comm. Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
40.	<b>Dr. U. Sabura Banu</b> Professor, Department of Electronics & Inst. Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
41.	<b>Dr. S. Srinivasan,</b> Professor, Department of Mathematics B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
42.	<b>Dr. E. Rajakuperan,</b> Professor, Department of Aero Space Engineering B.S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
<b>ASSOCIATE PROFESSORS</b>		
43.	<b>Ms. T. Nagamalar</b> Associate Professor, Department of Computer Science & Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
44.	<b>Ms. Nasreen Kaleem</b> Associate Professor, Department of Mechanical Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
45.	<b>Ms. X. Arputha Rathna</b> Associate Professor, Department of Computer Science & Engg. B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
46.	<b>Ms. S. Shahar Banu,</b> Assistant Professor (Sel. Gr.), Department of Computer Applications, B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
47.	<b>Ms. K. Yogeswari</b> Assistant Professor (Sel. Grade), Crescent School of Architecture B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member
48.	<b>Mr. Y. Mohamed Shuaib</b> Assistant Professor (Sel. Gr.), Dept. of Electrical & Electronics Engineering B. S. Abdur Rahman University, Vandalur, Chennai – 48.	Member

Sl. No	Name and Address	Position
<b>EDUCATIONISTS NOMINATED BY THE CHANCELLOR (PRESIDENT)</b>		
49.	<b>Prof. Syed Mahdi Abbas Rizvi,</b> Professor, Dept. of Mechanical Engineering Aligarh Muslim University, Aligarh – 202 002.	Member
50.	<b>Dr. S.P. Thyagarajan,</b> (Former Vice-Chancellor, University of Madras), Pro-Chancellor (Research), Sri Ramachandra University, Porur, Chennai – 600 116.	Member
51.	<b>Prof. Thangamuthu</b> (Former Vice Chancellor, Bharathidasan University) No. 74, Agni Fairy Land, Thandalam, Chennai – 600077.	Member
52.	<b>Dr. Ashok Vasudevan</b> Managing Director FESTO Controls Private Limited Global Production Centre 225 & 226, Bommasandra Indl, Area, Off Hosur Road, Bangalore – 560099 Email : <a href="mailto:ashok_vasudevan@in.festo.com">ashok_vasudevan@in.festo.com</a>	Member
53.	<b>Dr. K. Sriram</b> Manager – Composite Material Behaviour GE India Technology Centre Pvt. Ltd., 122, EPIP, Phase – 2, Whitefield Road, Bangalore – 560066. Email : <a href="mailto:sriram.k@ge.com">sriram.k@ge.com</a>	Member
54.	<b>Dr. Jagadesh Kumar</b> Professor of Electrical & Electronics Engg. IIT Madras, Chennai.	Member
<b>ALUMNI REPRESENTATIVE</b>		
55.	<b>Mr. K Bhaskar,</b> Technical Manager, Embedur System, J.V.L. Plaza, 5 <sup>th</sup> Floor, Teynampet, Chennai – 600 018.	Member
<b>SPECIAL INVITEE</b>		
56.	<b>Mr. Abdul Qadir A. Rahman Buhari</b> Chairman, Board of Management B.S. Abdur Rahman University Vandalur, Chennai – 600 048.	Member
57.	<b>Dr. S.K. G. Ganesh</b> Professor, Crescent Business School B.S. Abdur Rahman University, Vandalur, Chennai – 600 048	Member
<b>NON-MEMBER SECRETARY</b>		
58.	<b>Dr. V. Murugesan</b> Registrar, B.S. Abdur Rahman University, Vandalur, Chennai 600 048.	Non Member Secretary

