## INDEX

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Contents</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Vice Chancellor’s Message</td>
<td>iv</td>
</tr>
<tr>
<td>2.</td>
<td>University Vision - Mission</td>
<td>vi</td>
</tr>
<tr>
<td>3.</td>
<td>Administration</td>
<td>vii</td>
</tr>
<tr>
<td>4.</td>
<td><strong>Summary of the University activities</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Academic</td>
<td>1</td>
</tr>
<tr>
<td>5.</td>
<td>• Academic Research</td>
<td>15</td>
</tr>
<tr>
<td>6.</td>
<td>• Sponsored Research</td>
<td>30</td>
</tr>
<tr>
<td>7.</td>
<td>• International Collaboration</td>
<td>35</td>
</tr>
<tr>
<td>8.</td>
<td>• Innovation Centre</td>
<td>44</td>
</tr>
<tr>
<td>9.</td>
<td>• Data Centre</td>
<td>45</td>
</tr>
<tr>
<td>10.</td>
<td>• Faculty Training Academy</td>
<td>50</td>
</tr>
<tr>
<td>11.</td>
<td>• Placement &amp; Training Cell</td>
<td>52</td>
</tr>
<tr>
<td>12.</td>
<td>• Central Library</td>
<td>53</td>
</tr>
<tr>
<td>13.</td>
<td>• BSAU Apple iOS</td>
<td>57</td>
</tr>
<tr>
<td>14.</td>
<td>• EDC, WEC</td>
<td>58</td>
</tr>
<tr>
<td>15.</td>
<td>• Rotoract Club, Alumni</td>
<td>59</td>
</tr>
<tr>
<td>16.</td>
<td>• NSS</td>
<td>60</td>
</tr>
<tr>
<td>17.</td>
<td><strong>Summary of the School activities</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>School of Computer, Information and Mathematical Sciences</td>
<td>61</td>
</tr>
<tr>
<td>18.</td>
<td>• Department of Computer Science and Engineering</td>
<td>63</td>
</tr>
<tr>
<td>19.</td>
<td>• Department of Information Technology</td>
<td>71</td>
</tr>
<tr>
<td>20.</td>
<td>• Department of Computer Applications</td>
<td>81</td>
</tr>
<tr>
<td>21.</td>
<td>• Department of Mathematics &amp; Actuarial Sciences</td>
<td>91</td>
</tr>
<tr>
<td>22.</td>
<td>School of Electrical and Communication Sciences</td>
<td>97</td>
</tr>
<tr>
<td>23.</td>
<td>• Department of Electrical and Electronics Engineering</td>
<td>99</td>
</tr>
<tr>
<td>24.</td>
<td>• Department of Electronics and Communication Engineering</td>
<td>111</td>
</tr>
<tr>
<td>25.</td>
<td>• Department of Electronics and Instrumentation Engineering</td>
<td>123</td>
</tr>
<tr>
<td>26.</td>
<td>School of Infrastructure</td>
<td>137</td>
</tr>
<tr>
<td>27.</td>
<td>• Department of Civil Engineering</td>
<td>139</td>
</tr>
</tbody>
</table>
## INDEX

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Contents</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.</td>
<td><strong>School of Mechanical Sciences</strong></td>
<td>155</td>
</tr>
<tr>
<td>29.</td>
<td>• Department of Mechanical Engineering</td>
<td>157</td>
</tr>
<tr>
<td>30.</td>
<td>• Department of Aerospace Engineering</td>
<td>167</td>
</tr>
<tr>
<td>31.</td>
<td>• Department of Automobile Engineering</td>
<td>173</td>
</tr>
<tr>
<td>32.</td>
<td>• Department of Polymer Engineering</td>
<td>185</td>
</tr>
<tr>
<td>33.</td>
<td><strong>Crescent School of Architecture</strong></td>
<td>199</td>
</tr>
<tr>
<td>34.</td>
<td><strong>Crescent Business School</strong></td>
<td>205</td>
</tr>
<tr>
<td>35.</td>
<td><strong>School of Physical and Chemical Sciences</strong></td>
<td>211</td>
</tr>
<tr>
<td>36.</td>
<td>• Department of Physics</td>
<td>213</td>
</tr>
<tr>
<td>37.</td>
<td>• Department of Chemistry</td>
<td>223</td>
</tr>
<tr>
<td>38.</td>
<td><strong>School of Life Sciences</strong></td>
<td>231</td>
</tr>
<tr>
<td>39.</td>
<td><strong>School of Islamic Studies</strong></td>
<td>261</td>
</tr>
<tr>
<td>40.</td>
<td><strong>School of Social Sciences and Humanities</strong></td>
<td>271</td>
</tr>
<tr>
<td>41.</td>
<td>• Social Sciences and Humanities</td>
<td>273</td>
</tr>
<tr>
<td>42.</td>
<td>• Department of English</td>
<td>277</td>
</tr>
<tr>
<td>43.</td>
<td><strong>Department of Physical Education</strong></td>
<td>287</td>
</tr>
<tr>
<td>44.</td>
<td>Academic Council</td>
<td>295</td>
</tr>
</tbody>
</table>
From the Vice Chancellor's desk

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

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

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

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

The Faculty Training Academy of our University takes care of the newly recruited faculty members and offers them training in pedagogy, teaching & learning and also conducts workshops on Cutting Edge Technologies. The Women Empowerment Cell, Apple iOS Centre, Students Cultural Centre, IAS Training Academy, Rotaract Club, NSS, which make the Campus vibrant.
In the academic year 2015-16, 402 students have got placed through 53 companies and the recruitment process is in progress. We also conduct multiple online Training Programs to train the students for getting huge placement through on campus / off campus recruitment drives.

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

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

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

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

Dr. V.M. PERIASAMY
Vice-Chancellor
UNIVERSITY VISION AND MISSION

VISION

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

MISSION

- To blossom into an internationally renowned University
- To empower the youth through quality education and to provide professional leadership
- To achieve excellence in all its endeavors to face global challenges
- To provide excellent teaching and research ambience
- To network with global Institutions of Excellence, Business, Industry and Research Organizations
- To contribute to the knowledge base through Scientific enquiry, Applied Research and Innovation
ADMINISTRATION

FOUNDER
Alhaj. Dr. B.S. ABDUR RAHMAN

CHAIRMAN (BOARD OF MANAGEMENT)
Mr. ABDUL QADIR A. RAHMAN BUHARI, B.E., M.B.A.

VICE - CHANCELLOR
Dr. V.M. PERIASAMY, B.E., M.E., Ph.D.

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

DIRECTOR (ADMISSIONS & CAMPUS DEVELOPMENT)
Mr. V.N.A. JALAL, B.A., B.L.

CONTROLLER OF EXAMINATIONS
Dr. I. MOHAMMED BILAL, M.Sc., Ph.D.

ACADEMIC

DEAN (ACADEMIC AFFAIRS)
Dr. T.R. RANGASWAMY, B.E., M.E., Ph.D.

DEAN (ACADEMIC RESEARCH)
Dr. R. RAJA PRABU, B.E., M.E., Ph.D.

DEAN (STUDENT AFFAIRS)
Dr. S. SYED MOHAMED ABDUL MAJEEED, M.Sc., M.Phil., Ph.D.

DEAN (SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES)
Dr. K.M. MEHATA., M.Sc., Ph.D.

DEAN (SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES)
Dr. S. KAJA MOHIDEEN, B.E., M.E., Ph.D.

DEAN (SCHOOL OF INFRASTRUCTURE)
Dr. M.S. HAJI SHEIK MOHAMMED, B.E., M.S., Ph.D.

DEAN (SCHOOL OF MECHANICAL SCIENCES)
Dr. M. MURUGAN, B.E., M.E., Ph.D.

DEAN (CRESCENT SCHOOL OF ARCHITECTURE)
Prof. G. JAYALAKSHMI, B.Arch., M.Arch.
DEAN (CRESCENT BUSINESS SCHOOL)
Dr. S.K.G. GANESH, B.E., M.S., M.B.A., PH.D.

DEAN (SCHOOL OF LIFE SCIENCES)
Dr. S. HEMALATHA, M.Sc., Ph.D.

DEAN (SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES)
Dr. S. KUTTI RANI, M.Sc., M.Phil., Ph.D.

DEAN (SCHOOL OF SOCIAL SCIENCES AND HUMANITIES)
Dr. A. SHAHIN SULTANA, M.A., B.Ed., M.Phil., Ph.D.

DEAN (SCHOOL OF ISLAMIC STUDIES)
Dr. P.S. SYED MASOOD JAMALI, M.A., Ph.D.

DIRECTOR (SPONSORED RESEARCH & CONSULTANCY)
Dr. V. MURUGESAN, M.Sc., M.Phil., Ph.D.

DIRECTOR (POLYMER NANOTECHNOLOGY CENTRE)
Dr. R. VASANTHA KUMARI, M.Sc., Ph.D.

DIRECTOR (INTERNATIONAL COLLABORATION)
Dr. S. PRINCE AROCKIA DOSS, M.Sc., B. Tech., M.E., Ph.D.

DIRECTOR (CRESCENT IAS & CAREER GUIDANCE ACADEMY)
Dr. S. RAJASEKARAN, M.Sc., Ph.D.

DIRECTOR (DATA CENTRE)
Dr. P. SHEIK ABDUL KHADER, M.Sc., M.Phil., Ph.D., MISTE.

DIRECTOR (FACULTY TRAINING ACADEMY)
Dr. R. SHRIRAM, B.E., M.E., Ph.D.

DIRECTOR (CENTRE FOR ENERGY RESEARCH AND STUDIES)
Dr. S. BEER MOHAMED, B.Sc., M.S., M.E., Ph.D.

HEAD OF THE DEPARTMENTS

SCHOOL OF COMPUTER, INFORMATION & MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Dr. SHARMILA SANKAR, B.E., M.S., M.E., Ph.D.

DEPARTMENT OF INFORMATION TECHNOLOGY
Dr. LATHA TAMILSELVAN, B.E., M.E., Ph.D.
DEPARTMENT OF COMPUTER APPLICATIONS  
Dr. A. JAYA, M.C.A., M.E., Ph.D.

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

SCHOOL OF ELECTRICAL & COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
Dr. K.N. SRINIVAS, M.E., Ph.D.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
Dr. P.K. JAWAHAR, B.E., M.Tech., Ph.D.

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING  
Dr. D. NAJUMNISSA JAMAL, B.E., M.E., Ph.D.

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING  
Dr. VASANTHI PADMANABHAN, B.Tech., M.Tech., Ph.D.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF AEROSPACE ENGINEERING  
Dr. P. VASANTHAKUMAR, B.E., M.S., Ph.D.

DEPARTMENT OF AUTOMOBILE ENGINEERING  
Dr. M. SUBRAMANIAN, B.E., M.E., MBA, Ph.D.

DEPARTMENT OF MECHANICAL ENGINEERING  
Dr. R. RAJARAMAN, B.Sc., B.Tech., M.E., Ph.D.

DEPARTMENT OF POLYMER ENGINEERING  
Dr. S. SYED MOHAMED ABDUL MAJEED, M.Sc., M.Phil., Ph.D.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS  
Dr. I. RAJA MOAHMED, M.Sc., M.Phil., Ph.D.

DEPARTMENT OF CHEMISTRY  
Dr. D. EASWARAMOORTHY, M.Sc., Ph.D.
SCHOOL OF SOCIAL SCIENCES & HUMANITIES

DEPARTMENT OF ENGLISH
Dr. REVATHI VISWANATHAN, M.A., M.Ed., Ph.D.

OTHERS

DEPARTMENT OF PHYSICAL EDUCATION
Dr. S. CHANDRAN, B.Sc., B.P.Ed., M.P.Ed., M.Phil., Ph.D.

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

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

**ACADEMIC**

**NBA Visit:**

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

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

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

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

**COUNCIL OF ARCHITECTURE VISIT:**

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

**NATIONAL INSTITUTIONAL RANKING**

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

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

The Schools and Department attached is shown below:

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

ACADEMIC COUNCIL

The Eighth Meeting of Academic Council was held on 14.7.2015.

- Five external experts participated in the 8th Academic Council Meeting namely, Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University, Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd., Dr. Jagadesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai, Mr. K. Bhaskar, Technical Manager, Embedur Systems, Chennai in addition to internal members.
About 20 agenda items were discussed in the meeting including minor revision in the syllabus of some courses in UG and PG programmes. These agenda items were approved after detailed discussions.

PROJECT BASED AND PEER ASSISTED LEARNING:

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

INTERNAL QUALITY ASSURANCE CELL (IQAC)

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

BRIDGE COURSE AND REFRESHER COURSE

- **Bridge course** was conducted for the lateral entry students admitted during 2015-16 from 22nd June 2015 to 15th July 2015. Four courses namely, Engineering Mathematics, Engineering Mechanics, Communication Skills and Computer Fundamentals (Theory and Practical) were conducted for the lateral entry students. 60 students attended the bridge course and 5 faculty members guided the students.

- **Refresher course** was conducted from 22.6.2015 to 15.7.2015 for the benefit of students who were admitted in the first year B.Tech. programmes in June 2015. Five courses namely; English, Mathematics, Physics, Chemistry and Fundamentals of Computing were conducted for Fresher’s. 20 faculty members handled the courses for 192 students. Course materials for all courses were prepared and distributed to students.
ADMISSION 2015-16

- 910 candidates have been admitted in various branches of B.Tech. programme and 80 candidates were admitted in B.Arch. programme in the academic year 2015-16.

- For PG Programmes the concerned departments conducted written test and interview and selected the candidates for admission. 84 candidates in various specializations of M.Tech programmes, 25 in M.Sc. programmes, 74 in MBA programme and 75 in MCA programme were admitted during this academic year.

- All Engineering, Science & Humanities Departments offer Ph.D. programmes in full time and part-time modes. 64 candidates were admitted in Ph.D. programme.

The statistical data for students admitted in UG, PG and Research programmes in the academic year 2015-16 are as follows:

UG PROGRAMME:

(a) B.Tech. Programme:

1. Aeronautical Engineering.    ---- 17
2. Automobile Engineering       ---- 40
3. Biotechnology                ---- 40
4. Cancer Biotechnology         ---- 18
5. Civil Engineering            ---- 145
6. Computer Science Engineering ---- 108
7. Electronics & Communication Engineering ---- 87
8. Electrical & Electronics Engineering ---- 55
9. Electronics & Instrumentation Engineering ---- 32
10. Information Technology      ---- 48
11. Mechanical Engineering      ---- 226
12. Polymer Technology          ---- 14
13. Architecture                ---- 80

TOTAL 910

(b) B.A. Islamic Studies        --- 45

(c) B.Tech. (Part-time) Apollo Tyres
    Mechanical Engineering      --- 30

(d) Second Year B. Tech. (Lateral Entry)

1. Automobile Engineering.      --- 09
2. Civil Engineering.            --- 11
3. Computer Science Engineering  --- 02
<table>
<thead>
<tr>
<th>Programme</th>
<th>Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Electronics &amp; Communication Engg.</td>
<td>01</td>
</tr>
<tr>
<td>5. Electrical &amp; Electronics Engineering</td>
<td>11</td>
</tr>
<tr>
<td>6. Electronics &amp; Instrumentation Engg.</td>
<td>02</td>
</tr>
<tr>
<td>7. Information Technology</td>
<td>03</td>
</tr>
<tr>
<td>8. Mechanical Engineering</td>
<td>27</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>66</strong></td>
</tr>
</tbody>
</table>

**PG PROGRAMME:**

**M.Tech Programmes**

1. Structural Engineering                    | 33    |
2. Construction Engineering & Project Mgt.   | 21    |
3. CAD – CAM                                  | 03    |
4. Manufacturing Engineering                  | 04    |
5. Power System Engineering                   | 04    |
6. Power Electronics and Drives               | 03    |
7. Communication Systems                      | 04    |
8. VLSI & Embedded Systems                    | 05    |
9. Electronics and Instrumentation Engg.      | 02    |
10. Computer Science & Engineering             | 03    |
11. Information Technology                    | 02    |
| **TOTAL**                                     | **84**|

**M. Sc. Programmes**

- M.Sc. Actuarial Science                    | 04    |
- M.Sc. Biotechnology                         | 03    |
- M.Sc. Chemistry                             | 02    |
- M.Sc. Physics                               | 09    |
- M.Sc. Microbiology                          | 04    |
- M.Sc. Bio Chemistry                         | 03    |
| **TOTAL**                                     | **25**|

**M.B.A**                                      | 74    |

**M.C.A.(Lateral Entry)**                      | 75    |

| **TOTAL**                                     | **149**|

**RESEARCH PROGRAMME:**

<table>
<thead>
<tr>
<th>Ph.D. – 2015:</th>
<th>July’15</th>
<th>January’15</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Civil Engineering</td>
<td>04</td>
<td>03</td>
</tr>
<tr>
<td>2. Computer Science Engineering</td>
<td>07</td>
<td>---</td>
</tr>
<tr>
<td>3. Mechanical Engineering</td>
<td>03</td>
<td>01</td>
</tr>
<tr>
<td>4. Electrical &amp; Electronics Engineering</td>
<td>02</td>
<td>03</td>
</tr>
</tbody>
</table>
5. Electronics & Communication Engineering --- 05 ---
6. Electronics & Instrumentation Engineering --- 01 ---
7. Economics --- 01 ---
8. Polymer Technology --- 01 01
9. Management Studies --- 07 ---
10. Computer Application --- 04 ---
11. Mathematics --- 03 ---
12. Physics --- 02 ---
13. Chemistry --- 05 ---
14. English --- 01 ---
15. Islamic Studies --- 01 ---
16. Architecture --- 01 ---
17. Automobile Engineering --- 03 02
18. Life Science --- 01 02

---------

52 12
---------

CONVOCATION FOR UG / PG PROGRAMMES

- **The Fifth Convocation** for all UG / PG programmes of B.S. Abdur Rahman University was held on 12th and 14th October 2015.

- The Chief Guest for the Convocation on 12th October 2015 was Mr. Rajeev Rambalisingh Kumar, Global Head, Campus Hiring, Wipro Limited.

- The Chief Guest on 14th October 2015 was Mr. B. Santhanam, President and M.D., Flat Glass – South Asia, Malaysia & Egypt, Saint–Gobain India Pvt. Ltd.

- Total 769 students were awarded with B.Tech degree in various discipline of Engineering and 29 students were awarded B.A. degree in Islamic Studies.

- 412 students were awarded PG degree, out of which 11 with Ph.D., 1 with M.Tech. (by research) 232 with M.Tech., 79 with MBA, 77 with MCA and 11 with M.Sc.
The School of Islamic Studies is academically collaborated with Kilakarai Bukhari Aalim Arabic College to impart Islamic Studies for the courses related to Aalim Al Bukhari Sanad Program. The Convocation was held in April, in which 73 graduates received their Aalmi Al Bukhari Sanad. Mr. SMM Mazahir, Dean, Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka was the chief guest.

UG DEGREE PROGRAMME

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

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

PG PROGRAMME

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

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Obtained Degree</th>
<th>I Class with Distin.</th>
<th>I Class</th>
<th>II Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.B.A</td>
<td>79</td>
<td>17</td>
<td>53</td>
<td>9</td>
</tr>
<tr>
<td>M.C.A</td>
<td>77</td>
<td>15</td>
<td>56</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>156</strong></td>
<td><strong>32</strong></td>
<td><strong>109</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>
## M.TECH. DEGREE PROGRAMME

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

## M.TECH. (By Research) PROGRAMME

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Obtained Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Tech. (By Research) – Polymer</td>
<td>2</td>
</tr>
</tbody>
</table>

## M.Sc. DEGREE PROGRAMME

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Obtained Degree</th>
<th>I Class with Distin.</th>
<th>I Class</th>
<th>II Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Sc. Chemistry</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>--</td>
</tr>
<tr>
<td>M.Sc. Actuarial Science</td>
<td>5</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>M.Sc. Microbiology</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>--</td>
</tr>
<tr>
<td>M.Sc. Genetics</td>
<td>1</td>
<td>1</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11</strong></td>
<td><strong>4</strong></td>
<td><strong>6</strong></td>
<td><strong>1</strong></td>
</tr>
</tbody>
</table>

## PH.D. PROGRAMME

<table>
<thead>
<tr>
<th>Programmes</th>
<th>Obtained Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph.D. – Polymer</td>
<td>1</td>
</tr>
<tr>
<td>Ph.D. - ECE</td>
<td>2</td>
</tr>
<tr>
<td>Ph.D. - CSE</td>
<td>1</td>
</tr>
<tr>
<td>Ph.D. – Mechanical</td>
<td>1</td>
</tr>
<tr>
<td>Ph.D. – Civil</td>
<td>1</td>
</tr>
<tr>
<td>Ph.D. – Physics</td>
<td>4</td>
</tr>
<tr>
<td>Ph.D. – English</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>
STAFF AS ON DATE

Teaching staff:

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

Total Faculty - 370

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

Non Teaching staff:

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

Total staff - 239

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

- Our Chairman is taking sincere effort to transform our University to next higher level. In this connection, our Chairman arranged a high-level workshop on “Transformation of B.S. Abdur Rahman University to lead University in the country” for two days during 19th and 20th April 2015 at Confluence Banquets and Resorts, Mahabalipuram.

- 45 staff members of B.S.A.U. in all levels, 15 students of various departments, 10 Alumni occupying senior positions in Industries and 2 parents attended the workshop. Nine Parameters were identified to focus to transform the University.
Targets were fixed for next three years on nine parameters namely, Admission, Academics, Research, Branding, Student Engagement, International Collaboration, Alumni and Industry, Placement, Facilities and Infrastructure. Coordinators along with the members of the theme belonging to 9 parameters initiated the work to achieve the goal. Some of the targets are already achieved and the others are in the pipeline.

**MHRD’s QEEE pilot programme**

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

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

**PARENT TEACHERS MEETING**

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

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

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

ISO 9001:2008

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

CRESTECH

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

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

ENDOWMENT LECTURE

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

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

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

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

MoUs SIGNED

- INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS, IUPUI, USA: A letter of intent exchanged on 16th March 2015.
- MOU WITH UNIVERSITY OF VIRGINIA, USA signed on on 8th February, 2016.
- MoU with National Instruments, Bangalore on 17.02.2016
- Signed MoU with National Entrepreneurship Network(NEN), Bangalore on 25.02.2016
- MOU was signed with Pentagrit Research on June 15, 2015 to initiate research collaboration in drug screening utilizing tissue chip technology.
- MoU Thassim Beevi Abdul Kader College for Women
- MOU was signed with Thassim Beevi Abdul Kader College for Women. Kilakarai on 20th August, 2015 to initiate research collaboration
- MOU was signed with Medall Medical Academy on 17th August 2015
- MOU was signed with Xinovem Company located at Women Technology Park, Siruseri, Chennai on February, 1, 2016
- RELIANCE JIO - WIFI AGREEMENT signed between BSAU and Reliance Jio Infocomm Ltd on 30th Sep 2015 to enable our Institution with 4G LTE
Technology which will take B.S.ABDUR RAHMAN UNIVERSITY into the exclusive Club of 4G Enabled Educational Universities & Colleges in the World.

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

**INDUSRY INSTITUTE MEET ORGANISED**

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

**ISTD**

**Literary Day 2015:**

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

**ORION 2015**

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

**NSS**

- NSS Cell of our University organized Blood Donation Camp in association with Crescent Blood Donors on 3\textsuperscript{rd} November (Tuesday) 2015.

- NSS special camp was organised for five days from 9\textsuperscript{th} to 15\textsuperscript{th} March 2016 at Keerapakkam Village.
CRESCENT BLOOD DONORS

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

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

BLOOD DONATION

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

SCRIBE

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

WALL PAINTING

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

BIKE RALLY

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

TRAFFIC AWARENESS

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

LAKE CLEANING

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

ORPHANAGE VISIT

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

FLOOD RELIEF AND MEDICAL CAMP

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

PRELUDE:

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

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

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

RESEARCH INCENTIVE SCHEME FOR THE FACULTY MEMBERS:

The Scope of the Research Incentive Scheme includes the following:

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

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

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Year</th>
<th>No. of Faculty</th>
<th>Amount awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>2009-10</td>
<td>14</td>
<td>1,73,445</td>
</tr>
<tr>
<td>II</td>
<td>2010-11</td>
<td>19</td>
<td>2,22,086</td>
</tr>
<tr>
<td>III</td>
<td>2011-12</td>
<td>31</td>
<td>3,83,875</td>
</tr>
<tr>
<td>IV</td>
<td>2012-13</td>
<td>62</td>
<td>7,33,280</td>
</tr>
<tr>
<td>V</td>
<td>2013-14</td>
<td>59</td>
<td>5,61,063</td>
</tr>
</tbody>
</table>
Mr. Abdul Qadir A. Rahman Buhari, Chairman (Board of Management) distributed the cash award to the faculty members.

TRAINING PROGRAMMES OFFERED

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

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

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

- Delegation From Festo Controls Private Limited, BANGALORE, Visited BSAU
ABET Accreditation

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

INTERDISCIPLINARY PROGRAMMES CONDUCTED

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

The major focuses of Research Forum include the following:

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

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

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

List of Lectures arranged - Research Forum:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Topic of the Guest Lecture</th>
<th>Name of the Speaker</th>
<th>Affiliation of the Speaker</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Outdoor Polymeric Insulators</td>
<td>Dr. R. Raja Prabu</td>
<td>Prof. / EEE, Dean (Academic Research) and Advisor (Research Forum)</td>
<td>25.05.2015</td>
</tr>
<tr>
<td>2.</td>
<td>Electro Chemotherapy for effective Cancer Treatment</td>
<td>Dr. R. Raja Prabu</td>
<td>Prof. / EEE, Dean (Academic Research) and Advisor (Research Forum)</td>
<td>25.05.2015</td>
</tr>
<tr>
<td></td>
<td>Title</td>
<td>Presenter</td>
<td>Institution</td>
<td>Date</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>----------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>3.</td>
<td>Impact of mycotoxins: Identification of molecular mechanisms by recombinogenic approaches and protection by small molecules</td>
<td>Dr. S. Hemalatha</td>
<td>Professor &amp; Dean (School of Life Sciences)</td>
<td>25.05.2015</td>
</tr>
<tr>
<td>4.</td>
<td>Molecular imaging in disease diagnostics</td>
<td>Prof. Ammasi Periasamy</td>
<td>University of Virginia, USA</td>
<td>24.06.2015</td>
</tr>
<tr>
<td>5.</td>
<td>Process Optimization using Swarm Intelligence</td>
<td>Dr. U. Sabura Banu</td>
<td>Professor / EIE</td>
<td>10.07.2015</td>
</tr>
<tr>
<td>6.</td>
<td>Salient Region Detection by Improving Image Clarity of Fused Images</td>
<td>Dr. B. Vijalakshmi</td>
<td>Professor / ECE</td>
<td>10.07.2015</td>
</tr>
<tr>
<td>7.</td>
<td>A New Approach to Fast Handover of Mobile Nodes in Wireless Network</td>
<td>Dr. V. Sankaranarayanan</td>
<td>Professor &amp; Advisor FTA</td>
<td>29.08.2015</td>
</tr>
<tr>
<td>8.</td>
<td>Process Monitoring in Metal Cutting - An Overview</td>
<td>Dr. M. Murugan</td>
<td>Professor &amp; Dean (School of Mechanical Sciences)</td>
<td>29.08.2015</td>
</tr>
<tr>
<td>9.</td>
<td>Design Thinking and Innovation</td>
<td>Ms. Yasmeen Fatimah</td>
<td>University of USA</td>
<td>10.09.2015</td>
</tr>
<tr>
<td>10.</td>
<td>Under Expanded Jets Issuing From Asymmetric Sonic Nozzles</td>
<td>Dr. E. Rajakuperan</td>
<td>Professor / Aerospace</td>
<td>18.09.2015</td>
</tr>
<tr>
<td>11.</td>
<td>Retrofitting of Structures Using Fibre Reinforced Polymer Composites</td>
<td>Dr. J. Revathy</td>
<td>Professor / Civil</td>
<td>18.09.2015</td>
</tr>
<tr>
<td>12.</td>
<td>Impact of Nanotechnology on Research in Science and Engineering</td>
<td>Dr. S.S.M. Abdul Majeed</td>
<td>Professor &amp; Head / Polymer</td>
<td>30.10.2015</td>
</tr>
<tr>
<td>13.</td>
<td>Application Studies of Metal Oxide Nanoparticles on Organic Transformations</td>
<td>Dr. S. K. Rani</td>
<td>Professor &amp; Dean (SPCS)</td>
<td>30.10.2015</td>
</tr>
<tr>
<td>14.</td>
<td>Towards the Next Generation of Biomarkers</td>
<td>Dr. Samarjit Das</td>
<td>John Hopkins University, USA.</td>
<td>17.12.2015</td>
</tr>
<tr>
<td>15.</td>
<td>Effect of atomic oxygen on spacecraft charging properties</td>
<td>Dr. Noor Danish Ahrar Mundari</td>
<td>University, USA.</td>
<td>06.01.2016</td>
</tr>
</tbody>
</table>

To emphasize the quality aspects of Research, Periodical training / Workshop on March 2015. For e.g. A one day workshop on “Quality Assurance in Academic & Sponsored Research” is conducted by Office of Dean (AR). The topics covered are given below.
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Topic</th>
<th>Name of the Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pursuing Research – An Overview</td>
<td>Dr. V. M. Periasamy</td>
</tr>
<tr>
<td>2.</td>
<td>How to write Good Research Papers?</td>
<td>Dr. V. Sankaranarayanan</td>
</tr>
<tr>
<td>3.</td>
<td>Funded Project &amp; Sponsoring Agency</td>
<td>Dr. V. Murugesan</td>
</tr>
<tr>
<td>4.</td>
<td>Demo on “Grammarly” - Writing Support Tool</td>
<td>M/s. Bridge People</td>
</tr>
<tr>
<td></td>
<td>&amp; “Turnitin” – Plagiarism Check</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Effective Usage of Library for Research</td>
<td>Dr. S.S.M. Abdul Majeed</td>
</tr>
<tr>
<td>6.</td>
<td>General Mathematical Tools for Research</td>
<td>Dr. M. Murugan</td>
</tr>
<tr>
<td>7.</td>
<td>Research Metrics in Quality Research</td>
<td>Dr. R. Raja Prabu</td>
</tr>
</tbody>
</table>

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

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

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

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>190</td>
<td>98</td>
<td>219</td>
<td>625</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

B.S.A.U. RESEARCH PUBLICATIONS STATISTICS FROM JAN 2015 TO DEC 2015

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Department</th>
<th>2015</th>
<th>GRAND TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>INJ</td>
<td>NJ</td>
</tr>
<tr>
<td>1</td>
<td>Aerospace</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Architecture</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Automobile</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>CSE</td>
<td>30</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>Civil Engineering</td>
<td>12</td>
<td>14</td>
</tr>
<tr>
<td>6</td>
<td>CBS</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>
### Details of Impact Factor of the Publication H-Index

<table>
<thead>
<tr>
<th>Subject</th>
<th>Authors</th>
<th>Citations</th>
<th>References</th>
<th>Citations Per Article</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>8</td>
<td>2</td>
<td>14</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>11</td>
<td>10</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>ECE</td>
<td>30</td>
<td>20</td>
<td>35</td>
<td>12</td>
</tr>
<tr>
<td>EIE</td>
<td>7</td>
<td>2</td>
<td>22</td>
<td>6</td>
</tr>
<tr>
<td>EEE</td>
<td>10</td>
<td>4</td>
<td>13</td>
<td>5</td>
</tr>
<tr>
<td>English</td>
<td>10</td>
<td>4</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>SSSH</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>IT</td>
<td>6</td>
<td>1</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>11</td>
<td>5</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Mechanical</td>
<td>13</td>
<td>6</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>Physics</td>
<td>33</td>
<td>4</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Polymer Technology</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Library</td>
<td>8</td>
<td>8</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>School of Life Sciences</td>
<td>5</td>
<td>5</td>
<td>34</td>
<td>14</td>
</tr>
<tr>
<td>School of Islamic Studies</td>
<td>2</td>
<td>0</td>
<td>13</td>
<td>7</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>219</strong></td>
<td><strong>98</strong></td>
<td><strong>190</strong></td>
<td><strong>118</strong></td>
</tr>
</tbody>
</table>

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

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

**Books Published**: 6 Nos

**Patents (Applied)**: 3 Nos
ACHIEVEMENTS OF STUDENTS

 Outcome of Research Scholars

 Ph.D Degree from B.S.A.U.

- Thirteen Ph.D. scholars were awarded degree during the Fifth Convocation held on 12.10.2015. The details of the awarded scholars are as follows:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>RRN No.</th>
<th>Title of the Thesis</th>
<th>Name of the Scholar</th>
<th>Name of the Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1190212</td>
<td>Investigations of Optical, Structural, Antibacterial and Photocatalytic Properties of Doped ZnO Nanostructures</td>
<td>Mr. Ashaq Hussain Shah</td>
<td>Dr. M. Basheer Ahamed</td>
</tr>
<tr>
<td>2</td>
<td>1084205</td>
<td>Least Mean Square Error Based Block Truncation Coding For Image Compression</td>
<td>Ms. Chandravadhana</td>
<td>Dr. N. Nithiyanandam</td>
</tr>
<tr>
<td>3</td>
<td>0992201</td>
<td>Teaching Technical Writing Skills Using Web 2.0 Technology – An Experimental Study</td>
<td>Ms. H. Sofia</td>
<td>Dr. R. Revathi</td>
</tr>
<tr>
<td>4</td>
<td>0986201</td>
<td>Cellular Automata and Geometric Models for Propagation of Tsunami Waves</td>
<td>Mr. E. Syed Mohamed</td>
<td>Dr. S. Rajasekaran</td>
</tr>
<tr>
<td>5</td>
<td>1184211</td>
<td>Enhancement of Cache Performance in Multi-Core Processors</td>
<td>Mr. S. Muthukumar</td>
<td>Dr. P. K. Jawahar</td>
</tr>
<tr>
<td>6</td>
<td>1090206</td>
<td>Growth and Characterization of Nonlinear Optical 4-APMP, Amino acids doped NaAP and DGBCM Single Crystals</td>
<td>Mr. G. Marudhu</td>
<td>Dr. S. Krishnan</td>
</tr>
<tr>
<td>7</td>
<td>0990201</td>
<td>Growth and investigation of third order nonlinear optical properties of pure and doped Meta-Nitroaniline, potassium di Chromate (KDC), L-alanine (LA) single crystals</td>
<td>Mr. T. Thilak</td>
<td>Dr. M. Basheer Ahamed</td>
</tr>
<tr>
<td>8</td>
<td>1190209</td>
<td>Synthesis and Luminescence Properties of Rare-Earth Doped Molybdate Micro/Nanostructures for Display Applications</td>
<td>Mr. R. Krishnan</td>
<td>Dr. J. Thirumalai</td>
</tr>
<tr>
<td>9</td>
<td>1090203</td>
<td>Preparation and Characterization of Technologically important materials using pulsed laser deposition method (Thin Film)</td>
<td>Mr. G. Shanmuganathan</td>
<td>Dr. I. B. Shameem Banu</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Registration Number</td>
<td>Title/Topic</td>
<td>Supervisor Name 1</td>
<td>Supervisor Name 2</td>
</tr>
<tr>
<td>---------</td>
<td>---------------------</td>
<td>-------------</td>
<td>-------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>10</td>
<td>1086211</td>
<td>Fast Handoff in Wireless Network</td>
<td>Mr. K. Regin Bose</td>
<td>Dr. V. Sankaranarayanan</td>
</tr>
<tr>
<td>11</td>
<td>0981201</td>
<td>BIO FUELS – Optimization of Biodiesel Production from Pongamia Pinnata, experimental investigation on the combustion characteristics and finding a suitable additive to improve the combustion</td>
<td>Mr. R. Sathish Kumar</td>
<td>Dr. K. Sureshkumar</td>
</tr>
<tr>
<td>12</td>
<td>0982202</td>
<td>Studies on Development and Characterization of Polypropylene Based Biocomposites.</td>
<td>Ms. N. Jayachitra</td>
<td>Dr. R. Vasanthakumari</td>
</tr>
<tr>
<td>13</td>
<td>0980201</td>
<td>Sustainable Transportation Planning</td>
<td>Ms. K. Yogeswari</td>
<td>Dr. E. Rasul Mohideen</td>
</tr>
</tbody>
</table>

Sample Photos taken during Vth convocation held on 12.10.2015

Ph.D Degree from other universities

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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Dept.</th>
<th>Supervisor Name</th>
<th>Title/Topic Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. N. Prakash</td>
<td>IT</td>
<td>Dr. T. R. Rangaswamy</td>
<td>Coverage based test care prioritization for regression testing</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. S. Shamshath Begum</td>
<td>Polymer</td>
<td>Dr. N. Vedarama</td>
<td>Studies on decolonization of tannery doge waste water</td>
</tr>
</tbody>
</table>
3. Dr. P. D. Jeyakumar | Mechanic al | Dr. G. Devaradjane | Front impact analysis and improvement on a basis mounted bus body structure

4. Dr. M. Kabeer | IT | Dr. V. Rajamani | Some investigations on numerical simulation of photo detectors for future generation optical communication system

❖ Viva-Voce Exam completed

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Dept.</th>
<th>RRN</th>
<th>Supervisor Name &amp; Designation</th>
<th>Date of Viva Voce</th>
<th>Title/Topic Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mr. M. Dakshnamoorthy</td>
<td>Polymer</td>
<td>098220 5</td>
<td>Dr. R. Vasanthakumari</td>
<td>10.02.16</td>
<td>Nanocomposite for electrode application</td>
</tr>
</tbody>
</table>

❖ Thesis Submitted

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Dept.</th>
<th>RRN</th>
<th>Supervisor Name &amp; Designation</th>
<th>Date of Submiss ion of Thesis</th>
<th>Title/Topic Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mr. V.K. Mohan Raj</td>
<td>CSE</td>
<td>1086218</td>
<td>Dr. R. Shriram</td>
<td>18.09.15</td>
<td>Power Aware Models for Cloud Computing</td>
</tr>
<tr>
<td>3.</td>
<td>Mr. T. R. Tamilarasan</td>
<td>Mech</td>
<td>1181211</td>
<td>Dr. R. Rajendran</td>
<td>16.12.15</td>
<td>Study of Electro Deposition Process on Nickel Composite Coating</td>
</tr>
<tr>
<td>4.</td>
<td>Mr. L. Kanniappan</td>
<td>Chemistry</td>
<td>1391141</td>
<td>Dr. D. Easwaramoorthi</td>
<td>25.01.16</td>
<td>Kinetics and Mechanism of VO$^{2+}$ and Cu$^{2+}$ ions Catalyzed oxidation of Amino acid by Peroxomonosulphate</td>
</tr>
</tbody>
</table>
Synopsis Submitted

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

Ready for Synopsis Submission

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

ANY OTHER INFORMATION

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

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

- **Revision of Publication requirements for Approved Supervisorship.**
  - After discussing the agenda item in detail, the Research Board decided to recommend to the Vice Chancellor, the following amendment in the Ph.D Regulation 2009, Clause 7.1. The applicant for recognition as Supervisor, shall satisfy the following:
    - I. Shall be a full time working member of this University.
    - II. Shall possess a Ph.D. Degree.
III. Shall have a minimum of two publications to his / her credit in refereed journal(s).

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

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

- **Highlights of the 25th Meeting of the Research Board**
  - **BSAU Fellowship – Certain Guidelines**
    - It is decided to implement all the guidelines with effect from 1st Jan 2016 and resolved to institute 57 fellowships for BSAU as the number of department have been increased from 14 to 19. The required financial approval may be obtained by the registrar.
  - **Creation of Central Research Facilities**
    - It is resolved to establish the Central Research Facilities for BSAU.

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

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

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

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

**PUBLICATION TREND**  
(after becoming university)

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of publications</td>
<td>1,416</td>
</tr>
<tr>
<td>Indexed</td>
<td>1,012</td>
</tr>
<tr>
<td>Non-Indexed</td>
<td>404</td>
</tr>
<tr>
<td>Indexed Percentage</td>
<td>%</td>
</tr>
</tbody>
</table>
(ii) Details of Peer Reviewed publications (As on 31.12.2015)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Category</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Journals</td>
<td>Conferences</td>
</tr>
<tr>
<td>Total number of publications</td>
<td>1,416</td>
<td>1,709</td>
</tr>
<tr>
<td>Scopus</td>
<td>447</td>
<td>133</td>
</tr>
<tr>
<td>WOS</td>
<td>194</td>
<td>0</td>
</tr>
<tr>
<td>IEEE</td>
<td>4</td>
<td>113</td>
</tr>
<tr>
<td>Google Scholar</td>
<td>874</td>
<td>205</td>
</tr>
<tr>
<td>EBSCO Host</td>
<td>45</td>
<td>0</td>
</tr>
<tr>
<td><strong>Overall</strong></td>
<td><strong>2,980</strong></td>
<td><strong>2,160</strong></td>
</tr>
</tbody>
</table>

(iii) Citation Trend: (As on 31.12.2015)

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

CITATION TREND
(after becoming university)
Scopus h-index of B.S.A.U.

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

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

### PROJECTS APPLIED DURING 2015-16

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of the Project</th>
<th>Principal Investigator</th>
<th>Name of the Funding Agency</th>
<th>Proposed Project Cost (in Lakhs)</th>
<th>Date of Submission</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>High performance hot-dipping aluminized steel for the resources industry (oil sands, oil and gas) and automotive industry</td>
<td>Dr. R. Rajendran Prof. of Mechanical Engineering Prof. Dongyang Li University of Alberta, Canada</td>
<td>DST-IC-IMPACTS</td>
<td>37,00,000</td>
<td>4-Feb-15</td>
</tr>
<tr>
<td>2</td>
<td>Graphene Oxide and Metal Nanoparticles Reinforced Polymer Nanocomposites at High-k Dielectric Materials for Embedded Capacitor Applications</td>
<td>Dr. Basheer Ahamed Prof. of Physics</td>
<td>CSIR, New Delhi</td>
<td>20,50,000</td>
<td>13-Oct-15</td>
</tr>
<tr>
<td>3</td>
<td>Smart Cardiovascular Duseases screening kit for Diabetes Mellitus Patients in rural areas of Chennai</td>
<td>Dr. C. Tharini Prof. of ECE</td>
<td>TIDE</td>
<td>2,716,340</td>
<td>28-Oct-15</td>
</tr>
<tr>
<td>4</td>
<td>Analysis of Venom variation among big four Indian snakes: genomic and proteomic approaches. Identification of mechanism of intoxication and protection by Indian botanicals</td>
<td>Dr. S. Hemalatha Prof. &amp; Dean of School of Life Sciences Dr. M.K. Sangeetha Assistant Professor School of Life Sciences</td>
<td>Indian Council for Medical Research</td>
<td>6,000,000</td>
<td>Dec-15</td>
</tr>
<tr>
<td>5</td>
<td>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</td>
<td>Dr. S. Hemalatha Prof. &amp; Dean of School of Life Sciences Dr. U. Sabura Banu Professor Electronics &amp; Instrumentation Engineering</td>
<td></td>
<td>4,596,000</td>
<td>Dec-15</td>
</tr>
<tr>
<td></td>
<td>Project Title</td>
<td>Investigator(s)</td>
<td>Proposal Budget</td>
<td>Start Date</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Establishment of Rural Women Technology Park at Othivakkam Village, Kancheepuram District, Chennai - 600 048.</td>
<td>Dr. S. Hemalatha Prof. &amp; Dean of School of Life Sciences&lt;br&gt;Dr. U. Sabura Banu Professor Electronics &amp; Instrumentation Engineering</td>
<td>4,190,000</td>
<td>Dec-15</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Tribiological and Corrosion behaviour of ion plasma coated low-carbon steel with different microstructures</td>
<td>Dr. R. Rajendran Prof. of Mechanical Engineering&lt;br&gt;Dr. Vladimir Semenov Ufa State Aviation Technical University Canada</td>
<td>DST - RFBR Joint Call for Proposals</td>
<td>7,15,400 15-Dec-15</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Identification of Affective - Cognitive states using voice and image</td>
<td>Dr. W. Aisha Banu Prof. of CSE</td>
<td>CSRI - DST - New Delhi</td>
<td>1,900,000</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>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</td>
<td>Dr. S. Hemalatha Prof. &amp; Dean of School of Life Sciences&lt;br&gt;Dr. U. Sabura Banu Professor Electronics &amp; Instrumentation Engineering</td>
<td>R&amp;D Programme Support Indo US low cost medical devises</td>
<td>50,32,000 21.01.16</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Synthesis and Characterization of Al2O3 Dispersed nAl 7150 alloy Composite</td>
<td>Dr. R. Karunanithi Asst. Professor (Sr. Gr.) of Mechanical Engineering</td>
<td>DST - Startup Grant for Young Scientists</td>
<td>2,724,000 28.01.16</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** 22,126,340
## ONGOING PROJECTS

<table>
<thead>
<tr>
<th>S. NO.</th>
<th>TITLE OF THE PROJECT</th>
<th>NAME OF THE PRINCIPAL INVESTIGATOR</th>
<th>FUNDING AGENCY</th>
<th>PERIOD</th>
<th>GRANTS SANCTIONED (RS. IN LAKHS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A non enzymatic enantioselective design in the Wittig reactions and its application in the total synthesis of caprolactonis potential antineoplastic agents of marine origin</td>
<td>Dr. S. Mahasampath Gowri Prof. of Chemistry</td>
<td>DST</td>
<td>2012-16</td>
<td>624000</td>
</tr>
<tr>
<td>2</td>
<td>Seismic retrofitting of prestressed concrete beams externally bonded with fibre reinforced polymer composites</td>
<td>Dr. J. Revathy Prof. of Civil Engineering</td>
<td>DST</td>
<td>2012-15</td>
<td>1704000</td>
</tr>
<tr>
<td>3</td>
<td>A novel access to indolizidine and quinolizidine alkaloids through stereoselective N-tethered intramolecular cyclopropanation of pyridines</td>
<td>Dr. J. Elangovan Prof. of Chemistry</td>
<td>DST</td>
<td>2012-15</td>
<td>4870000</td>
</tr>
<tr>
<td>4</td>
<td>Wear behavior of duplex coated steels</td>
<td>Dr. R. Rajendran Prof. of Mechanical Engineering</td>
<td>UGC-DAE</td>
<td>2012-15</td>
<td>760200</td>
</tr>
<tr>
<td>5</td>
<td>Design of zeozymes as biomimetic catalyst for the treatment of organic pollutants</td>
<td>Dr. D. Easwaramurthy Prof. of Chemistry</td>
<td>CSIR</td>
<td>2013-16</td>
<td>1513000</td>
</tr>
<tr>
<td>6</td>
<td>Development of COF/polyimide composites with low dielectric constant for microelectronic applications</td>
<td>Dr. P. Revathi Prof. of Chemistry</td>
<td>DST</td>
<td>2013-16</td>
<td>2350000</td>
</tr>
<tr>
<td>7</td>
<td>Investigation of chaotic and strange non-chaotic phenomena in coupled non linear circuits and systems</td>
<td>Dr. I. Raja Mohamed Dept. of Physics</td>
<td>SERB - DST New Delhi</td>
<td>2013-16</td>
<td>3246000</td>
</tr>
<tr>
<td>No.</td>
<td>Title</td>
<td>Investigator</td>
<td>Funding Agency</td>
<td>Duration</td>
<td>Grant No.</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>----------------------------</td>
<td>----------------</td>
<td>------------</td>
</tr>
<tr>
<td>8</td>
<td>Preparation of rare-earth doped molybdate nanostructures using soft chemical route for optoelectronic applications</td>
<td>Dr. J. Thirumalai Dept. of Physics</td>
<td>SERB - DST New Delhi</td>
<td>2013-16</td>
<td>2364000</td>
</tr>
<tr>
<td>9</td>
<td>Diasteroselective Intramolecular Cyclopropanation of Enol Ethers derived from Aminoacids : A Novel Access to Aza-C-Glycosides.</td>
<td>Dr. J. Elangovan Dept. of Chemistry</td>
<td>CSIR</td>
<td>2013-16</td>
<td>1300000</td>
</tr>
<tr>
<td>10</td>
<td>Seismic Performance of FRP Confined Steel tube in-filled Concrete Columns</td>
<td>Dr. P. Gajalakshmi Dept. of Civil Engg.</td>
<td>Ministry of Earth Sciences, New Delhi</td>
<td>2014-17</td>
<td>2910090</td>
</tr>
<tr>
<td>11</td>
<td>Applications of Gold Catalysis For The Synthesis Of Bioactive Heterocyclic And Natural Product Mimic</td>
<td>Dr. K.Karthikeyan Dept. of Chemistry</td>
<td>DST</td>
<td>2014-17</td>
<td>1966000</td>
</tr>
<tr>
<td>12</td>
<td>Bismuth titanate quantum dots for photo voltaic application</td>
<td>Ms. R. Saai Harini Res. Scholar, Dept of Chemistry</td>
<td>Women Scientist Scheme - DST</td>
<td>2014-17</td>
<td>1254000</td>
</tr>
<tr>
<td>13</td>
<td>Synthesis, characterization and optimization of QDs on TiO₂ surface for quantum dot solar cells</td>
<td>Dr. M. Asha Jhonsi Asst. Prof. of Chemistry</td>
<td>INSA - INSPIRE</td>
<td>2014-17</td>
<td>1976000</td>
</tr>
<tr>
<td>14</td>
<td>GPX-1, gene polymorphisms and mitochondrial Ros signaling in cancer risk</td>
<td>Dr. Soumen Bera Asst. Prof. of Life Sciences</td>
<td>SERB - DST</td>
<td>2014-17</td>
<td>2470000</td>
</tr>
<tr>
<td>15</td>
<td>Synthesis of Novel Low Band Gap Polymer Materials for Solar Cell Applications</td>
<td>Dr. Vajjiravel Murugesan Prof. of Chemistry</td>
<td>SERB</td>
<td>2014-17</td>
<td>2378000</td>
</tr>
<tr>
<td>16</td>
<td>The Effect of A1 on TiAIN, CrAIN and ZrAIN coating using RF powered Magnetron Sputtering</td>
<td>Dr. Beer Mohamed Prof. of Mechanical Engg.</td>
<td>UGC-DAE - CSR</td>
<td>2014-17</td>
<td>824100</td>
</tr>
<tr>
<td>17</td>
<td>Development of Oil Absorbing Polymer Product for Efficient Removal of Oil Spills in Sea Water</td>
<td>Dr. R. Vasanthakumari Director, Polymer Nano Technology Centre</td>
<td>NRB</td>
<td>2014-16</td>
<td>2004000</td>
</tr>
<tr>
<td>No.</td>
<td>Project Title</td>
<td>Investigator(s)</td>
<td>Funding Agency</td>
<td>Start Year</td>
<td>End Year</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------</td>
<td>-------------------------</td>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>18</td>
<td>Development of Graphene - SrTiO₃ based hybrid photocatalytic system for the production of solar fuels</td>
<td>Noor Aman Ahrar Mundari Prof. of Chemistry</td>
<td>SERB</td>
<td>2014-17</td>
<td>2016</td>
</tr>
<tr>
<td>19</td>
<td>“Synthesis and characterization of multiferroic nanocomposites for functional applications”</td>
<td>Ms. P. Komalavalli</td>
<td>Women Scientist Scheme (WOS-A)</td>
<td>2014-17</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Identifying the molecular basis of peroxidase activity of Peroxiredoxin 6 - An approach for designing Antioxidant Peptides and Inhibitors</td>
<td>Dr. Md Khurshid Alam Khan Asst. Prof. of School of Life Sciences</td>
<td>SERB - Startup Research Grant</td>
<td>2014-17</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>To Study the Effect of Diclofenac and Osmolytes on Protein Stability in Renal Dysfunction</td>
<td>Dr. Shazia Jamal Asst. Prof. of Life Sciences</td>
<td>DST - SERB</td>
<td>2014-17</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Antioxidant gene polymorphisms and mitochondrial Ros signaling in cancer risk</td>
<td>Dr. Soumen Bera Asst. Prof. of Life Sciences</td>
<td>Ministry of Science &amp; Technology, Departmen t of Biotechnol ogy</td>
<td>2015-18</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Investigation of Multiferroic properties of rare earth and transition metal doped bismuth ferrite for functional applications</td>
<td>Dr. I. Shameem Banu Prof. of Physics</td>
<td>DST - SERB</td>
<td>2015-18</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Synthesis of antimicrobial nanoemulsions for the treatment of multi-drug resistant ESKAPE pathogens</td>
<td>Dr. Karthikeyan Ramalingam Asso. Prof. of School of Life Sciences</td>
<td>SERB Start up Grant</td>
<td>2015-18</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Immunosuppressive cells within inflammatory Tumor Microenvironment</td>
<td>Dr. Neesar Ahmed Asst. Prof. (Sr. Gr.) of School of Life Science</td>
<td>SERB Scheme for Startup Research Grant</td>
<td>2015-18</td>
<td></td>
</tr>
</tbody>
</table>

**GRAND TOTAL** 50484890
INTERNATIONAL DESIGN DEVELOPMENT SUMMIT – 2015

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

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

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

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

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

1. Developing a temperature measuring device for new born baby that will indicate the risk level through color range indicator and provide information for the necessary action to be taken by an uneducated mother.

2. Designing a cost effective, convenient and aesthetic safety harness for children between the age of 2 to 8 years to mitigate road traffic death and injuries while carrying them with two wheelers.

3. Develop a network to deliver medication at rural villages for chronic diseases.
4. Design an innovative device to standardize the diagnosis methods for preventing malnutrition.

5. Develop an innovative device to prevent iron deficiency anemia through protification of iron in drinking water.

6. Reduce the source of contamination in surgical instruments by designing a creative sterile box.

7. Develop a cheap and easy to use resuscitator to help baby’s breath.

8. Design a decision making tool and simple kit to enable the use of contraception overcoming the social stigma and maintain proper birth spacing between children.

MoUs SIGNED

INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS, IUPUI, USA

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

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

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

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

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

INTERNATIONAL DELEGATION VISIT

SIX MEMBERS DELEGATION FROM UNIVERSITY COLLEGE OF TECHNOLOGY SARAWAK, MALAYSIA

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

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

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

The following presentations were made to delegation:

2. Research Management and Scholar Monitoring Procedure by Dr. R. Raja Prabu, Dean (Academic Research)
3. Student Management and Community Service Responsibility by Dr. S. Syed Mohamed Abdul Majeed, Dean (Student Affairs)
4. Strategic Planning by Dr. M. Murugan, Dean, School of Mechanical Sciences.
MR. S. M. MOHAMED MAZAHIR, DEAN, FACULTY OF ISLAMIC STUDIES AND ARABIC LANGUAGE, SOUTH EASTERN UNIVERSITY OF SRI LANKA VISITED BSAU

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

DELEGATION FROM UNIVERSITY OF WESTERN SYDNEY, AUSTRALIA VISITED BSAU

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

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

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

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

Dr. Thameem Ushama, Professor, International Islamic University, Malaysia, Selangor, visited BSAU on 10th June, 2015.
SIX MEMBERS DELEGATION FROM BSAU VISITED FESTO GLOBAL PRODUCTION CENTRE, INIDA

Six members delegation, Dr. V. M. Periasamy, Vice Chancellor, Dr. S. Prince Arockia Doss, Director, International Collaboration, Dr. R. Raja Prabu, Dean, Academic Research, Dr. M. Murugan, Dean, School of Mechanical Sciences, Dr. S. Kaja Mohideen, Dean, School of Electrical & Communication Sciences and Dr. U. Sabura Banu, Professor, Department of Electronics and Instrumentation Engineering from B. S. Abdur Rahman University visited Festo Global Production Centre, Festo Controls Private Limited, Bangalore on 12th June, 2015 and interacted with Mr. Rashmikant Joshi, Managing Director, Festo Didactic Head at Bangalore, Mr. Harish Nachnani, National Sales Manager, Festo Didactic, Mr. Andreas Decker, Head – Technology and Engineering Centre, Global Production Centre, Festo Controls Private Limited, Bangalore and Mr. Ashok Vasudevan, Managing Director, Festo Global Production Centre, India.

DELEGATION FROM FESTO CONTROLS PRIVATE LIMITED, BANGALORE, VISITED BSAU

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

Furthere they also visited on 27th November 2015.

VISIT OF FESTO – GERMAN DELEGATION TO BSAU

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

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

Visit of UK Bio-technology delegation to B. S. Abdur Rahman University on 14th September, 2015 facilitated by British Council and represented by
1. Dr. Nagamani Bora, The University of Nottingham
2. Dr. Duncan Sharp, Leeds Becket University
3. Dr. Mukhlesur Rahman, University of East London
4. Dr. Anant Paradkar, University of Bradford.
The delegation interacted with the School of Life Science Dean and Faculty on developing international partnerships in Research, Joint Projects, and Students and Faculty Exchanges.

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

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

**DR. SHANMUGAM, UNIVERSITY TUN ABDUL RAZAK, VISITED BSAU**

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

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

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

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

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

**DELEGATION FROM MISSOURI STATE UNIVERSITY, USA, VISITED BSAU**

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

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

INTERNATIONAL LECTURE SERIES

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

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

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

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

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

Dr. Peter C Brooks, Associate Professor in Mechanical Engineering, University of Leeds, UK visited BSAU on 11th September, 2015 and delivered lecture on “Clutch Characterization of Formula One Vehicles” to the Mechanical Engineering and Automobile Engineering Students of BSAU.
BRITISH COUNCIL’S BIOTECHNOLOGY MISSION – UK UNIVERSITIES DELEGATION VISITED BSAU

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

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

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

1. \textit{Antibiotics Resistance} by Dr. Mukhlesur Rahman
2. \textit{Functional Genomics} by Dr. Nagamani Bora
3. \textit{Wounds: Key Complications and Recent Advancements in Diagnostics} by Dr. Duncan

BRITISH COUNCIL’S UK MASTER CLASS PROGRAM AT BSAU

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

Dr. Hongwei Zhang, Principal Lecturer in Control Systems Subject Group Leader – Electrical, Electronic and Control Engineering, Department of Engineering and Mathematics, Sheffield Hallam University, UK, visited BSAU on 04\textsuperscript{th} February, 2016 and delivered a special lecture on \textit{“Automation, Robotics and Control”} for the Mechanical Engineering students.
DR. NICO DECOURT, STAFFORDSHIRE UNIVERSITY, UK, SPECIAL LECTURE

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

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

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

INTERNATIONAL EDUCATION FAIR

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

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

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

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

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

Motivational experience sharing workshop was conducted on 12.9.2015.

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

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

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

ABOUT DATA CENTRE

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

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

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

<table>
<thead>
<tr>
<th>S No.</th>
<th>Dept.</th>
<th>Registered courses</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Polymer</td>
<td>Chemical Reaction Engineering</td>
<td>22</td>
</tr>
<tr>
<td>2.</td>
<td>EIE</td>
<td>Control System</td>
<td>21</td>
</tr>
<tr>
<td>3.</td>
<td>Civil</td>
<td>Construction Planning and Control</td>
<td>19</td>
</tr>
<tr>
<td>4.</td>
<td>Aerospace</td>
<td>Fluid Mechanics</td>
<td>15</td>
</tr>
<tr>
<td>5.</td>
<td>IT</td>
<td>Smart Phone Computing</td>
<td>4</td>
</tr>
<tr>
<td>6.</td>
<td>ECE</td>
<td>Space Time Codes MIMO and Massive MIMO Part-1 - Wireless Communication</td>
<td>15</td>
</tr>
</tbody>
</table>
• For this semester Jan 2016 to April 2016, we have registered for 900 students of Civil, EEE, ECE, MCA, IT and Polymer departments in 14 new courses in 84 hours (3 sessions of 2 hours for every course).

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

**WORKSHOPS CONDUCTED**

• Data Centre along with Computer Application Department, conducted a Workshop on Android Programming and Soft Skills on 13th of Feb 2015.

• Organized ONE- DAY WORKSHOP ON "INTERNET OF THINGS AND COMMUNICATION SKILLS" on 26th February, 2016.

• Organized One Day WorkShop on "Cloud Computing and Soft Skills" on 19th February, 2016
WORKSHOPS ATTENDED

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

ACHIEVEMENTS OF STAFF

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

INTERNET/INTRANET ACTIVITIES

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

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

MoUs SIGNED

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

WEBSITE, SOCIAL NETWORK AND OTHER ACTIVITIES

Data Centre is carrying out

- Customization, UI / design changes for our BSAU website.
- to switch over to the next plan with 6GB windows hosting with 150GB monthly bandwidth data transfer
- University Website Maintenance.
  - Day to day Data Updations (Department wise and University wise).
  - Facilitation for Online Advertisement.
  - Support on updating Admission data in website.
- Creation of new webpages for conferences, workshops, APJ Abdul Kalam Innovation Centre.

- **University Social Network Maintenance.**
  
  - Day to day posting news and happening about our university.
  - Engaging students in our university facebook page.
  - Posting circulars and important information.
  - Editing informal contents or comments placed by students.

- **University mail id maintenance.**
  
  - 1194 email ids were created under our domain bsauniv.ac.in for the students admitted in 2015. The created email ids are distributed to the concerned departments Hod’s.
FACULTY TRAINING ACADEMY

TRAINING PROGRAMMES OFFERED

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

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Organized Workshop on “Two weeks Faculty Development Programme for Faculty” from 29th June to 10th July 2015. Around 20 People were participated.

- Organized Workshop on “Guest Lecture on Story Telling Technologies” from 10th Sep 2015. 45 members participated

- Organized Workshop on “PHP Programming” on 6th & 7th Jan 2016 in partnership with ICT Academy of Tamil Nadu. Around 43 people participated (9 members from various Institutions).

- Organized Workshop on “Creative Thinking” on 19th & 20th Jan 2016 in partnership with ICT Academy of Tamil Nadu. Around 30 people participated (19 members from various Institutions).

SOCIETY ACTIVITIES

- Organized Workshop on “Three day School Teachers Workshop” from 25th Nov to 27th Nov 2015.
• Organized Workshop on “Voluntary Training on Basics of ICT for School Teachers” on 6th & 7th Jan 2016. Around 19 peoples were participated.

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

EXTENSION ACTIVITY CONDUCTED

• Organized Notebooks distribution to Flood affected schools in December 2015 with staff club.
## PLACEMENT AND TRAINING

### CAMPUS PLACEMENT DETAILS - 2016 BATCH

<table>
<thead>
<tr>
<th>On Campus</th>
<th>Off Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO. OF ORGANIZATIONS VISITED</td>
<td>NO. OF STUDENTS PARTICIPATED</td>
</tr>
<tr>
<td>72</td>
<td>623</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

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

### 2016 Batch - Training Details

1. Four Months Aptitude and Technical training was conducted to pre-final year B.Tech (CSE) students (2016 batch).

2. Aptitude and Technical based training classes were conducted for pre-final year MBA students (2016 batch) from February 2015 onwards (once in week).

3. A program on “How to Train Yourself to Speak Fluently in English” was conducted for the Pre-final year on 28th March 2015.

4. A Lecture on “Placement Awareness” was delivered by the Placement Director for the Pre-final year B.Tech (EEE-2016 batch) students on 25th March 2015.

5. A Seminar on “Career in Indian Armed Forces” was conducted by Defence Academy – Chennai, on 3rd August 2015, for final year B.Tech / M.Tech & MCA students (2016 batch).

6. Five days Speed Maths, Video shooting of student’s stage presentation, Resume Building, Group Discussion for Tamil Medium students, Mock Interviews, Company Specific training with non-simulative company questions and pre-assessment & post assessment Training was conducted to all Final year B. Tech & M. Tech students (2016 batch) on 10, 11, 12, 22 & 29th August 2015.

7. Employability Training Program was conducted by Match point, to final year MBA students (2016 batch) on 1st Oct 2015.

8. AMCAT Online Assessment Test Process was conducted for final year B.Tech (CSE, ECE, EEE, IT & EIE) and MCA students (2016 batch) on 6th Oct 2015.

9. Barclay’s Training Programme in collaboration with GTT and Nasscom was conducted for final year students (2016 batch) during 19th Feb. 2016 to 04th March 2016 at our University premises. Around 200 students took part in the programme. This programme was fully sponsored by Barclay’s.
CENTRAL LIBRARY

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

- Print Journals subscribed: 240

- e-Journals subscribed: 13295

- Library working hours: 8am – 8pm

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

- Books purchased during this academic year: 3377

CONFERENCES CONDUCTED


CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

<table>
<thead>
<tr>
<th>Name of the staff</th>
<th>Conference</th>
<th>Seminar</th>
<th>Workshop</th>
<th>FDP</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.P.Panneerselvam</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Mr.A.Selvantony</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Mr.T.Pattabhi Raman</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Dr.M.P.Srinivasan</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>Name of the staff</th>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.P.Panneerselvam</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>Mr.A.Selvantony</td>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Mr.T.Pattabhi Raman</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Dr.M.P.Srinivasan</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES: (IEEE format)

**National Journal:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Name of the Journal</th>
<th>Month &amp; Year</th>
<th>Volume number Issue Number</th>
<th>ISSN No:</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.P.Srinivasan Assistant Librarian</td>
<td>Efficacy of Addie Model in the Digital Classroom: An Evidence based study</td>
<td>LangLit: An International Peer-Reviewed Open Access Journal</td>
<td>Online published in the month of August 2015</td>
<td>Volume:2, Issue 1</td>
<td>ISSN 2349-5189</td>
</tr>
</tbody>
</table>

**International Journals:**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Name of the Journal</th>
<th>Vol No, Issue No</th>
<th>Year</th>
<th>ISSN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Title</td>
<td>Title of the Conference</td>
<td>Venue</td>
<td>ISBN</td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
<td>--------------------</td>
<td></td>
</tr>
<tr>
<td>Dr.P. Panneerselvam</td>
<td>Analysis of Institute of Electrical and Electronics Engineers (IEEE) Publications: An Empirical Study</td>
<td>International Journal of Information Dissemination and Technology</td>
<td>Vol.5, Issue 3</td>
<td>2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2229-5984</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2349-428X</td>
<td></td>
</tr>
</tbody>
</table>

**National Conference:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Title of the Conference</th>
<th>Venue</th>
<th>ISBN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. Panneerselvam</td>
<td>Indian Repository Services: A Study on Shodhganga</td>
<td>National Conference on ‘Advancement in Library and Information Science and Technology: Challenges and Opportunities’</td>
<td>10 – 11 July 2015, B.S. Abdur Rahman University, Chennai</td>
<td>978-93-85469-00-8</td>
</tr>
<tr>
<td>J. Jeba Joslin and Dr. P. Panneerselvam</td>
<td>Community Information Services in Public Libraries – A solution to Information Poverty</td>
<td>National Conference on ‘Advancement in Library and Information Science and Technology: Challenges and Opportunities’</td>
<td>10 – 11 July 2015, B.S. Abdur Rahman University, Chennai</td>
<td>978-93-85469-00-8</td>
</tr>
<tr>
<td>S. Vanaja and Dr. P. Panneerselvam</td>
<td>Should Library Catalogues be a System of Inventory or Discovery to the Digital Native Generation: - A Study</td>
<td>National Conference on ‘Advancement in Library and Information Science and Technology: Challenges and Opportunities’</td>
<td>10 – 11 July 2015, B.S. Abdur Rahman University, Chennai</td>
<td>978-93-85469-00-8</td>
</tr>
</tbody>
</table>
T.Pattabhi Raman, Assistant Librarian
Dynamic Capability among professionals in Library and Information Science: An Overview
Department of Library and Information Science, Sri Krishnadevaraya University, Ananthapuramu
978-81-85708-64-3

BOOK PUBLISHED

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Title of the Book</th>
<th>Name of the Publisher</th>
<th>Year of publication</th>
<th>ISBN No:</th>
</tr>
</thead>
</table>

ACHIEVEMENTS OF STAFF

BSAU APPLE iOS APPLICATION DEVELOPMENT CENTRE

TRAINING PROGRAMMES OFFERED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

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


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

WOMEN EMPOWERMENT CELL

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

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

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

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

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

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

The list of projects carried out by the rotaract club are

i) **FAIRY TALE** – A carrier guidance programme organized on 22nd October 2015 for the +2 students at Government Higher Secondary School, Kavithandalam Village, Chengalpattu

ii) **NAMMA OORU** – This was conducted on 24th October at Orakattupettai village, Chengelpattu for creating awareness about the cleanliness of the village.

iii) Our club was actively involved in the flood relief activities during the month of December 2015 at Chennai and Cuddalore. Collected huge volume of relief materials and distributed to the flood affected peoples.

iv) **TRIUMPH** – A soft skill training programme organized on 12th March 2016 for our university third year students.

ALUMNI

- A new Executive Committee meeting held on 26th December 2015. Mr. Sujit Tharakan as President and Mr. Seshadrinathan. R as General Secretary were elected for the next three years. Mr. Mohammed Yunus (alumni) who rescued many in the recent floods was honoured.

  - President : Sujit Tharakan
  - Vice President : Sugal Nahar
  - Vice President : Mohamed Arshad
  - General Secretary : Seshadrinathan.R
  - Joint Secretary : Aisha Banu
  - Treasurer : Arun Sundaram
  - Joint Treasurer : Saira Banu

- Scholarship has been given to Eight of our University UG & PG Students (Rupees Ten Thousand per student)

- As an act of Charity Two People working in the university were given Rupees Five Thousand each for their children education purposes.
Note Books has been issued to One Hundred school Children in Local Schools as flood relief.

The Alumni Association is organizing a Guest Lecture by Mr. Hidayathulla A Sulaiman (1991 EEE) to motivate the first year students of our University on 24 July 2015 (Friday).

A Guest Lecture was organized on 9th March 2016, Mr. Seshadrinathan. R, CEO of ESSQUARES ENCLAVE delivered a lecture on “Road Map to a Successful Career”.

NSS

NSS Cell of our University organized Blood Donation Camp in association with Crescent Blood Donors on 3rd November (Tuesday) 2015.

NSS special camp was organised for five days from 9th to 15th March 2016 at Keerapakkam Village.

CENTRE FOR MOLECULAR DIAGNOSTICS

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

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

- Dept. of Computer Science & Engineering
- Dept. of Information Technology
- Dept. of Computer Applications
- Dept. of Mathematics
CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

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

2. Conducted seminar on "New trends in Data Integration, Analytics and BI” on 14th October 2015. Mr.Mukesh Mohania Mukesh Mohania an IBM Distinguished Engineer and Chief Architect for Education Transformation area in IBM Research were the distinguished visitor.

3. Conducted two week faculty development programme on “Teaching and Learning” during 29th June to 11th July 2015.


6. Conducted two days workshop “Analytics, Internet of Things and Web of Things”, conducted during 6th and 7th October 2015.


CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

<table>
<thead>
<tr>
<th>S.No</th>
<th>Staff Name</th>
<th>Institution</th>
<th>Topic</th>
<th>Duration/ Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S.Bagirathi C.Hema</td>
<td>BSAU</td>
<td>Research Methodology and Data Analysis using SPSS and AMOS(FDP)</td>
<td>5 days May 4-8,2015</td>
</tr>
<tr>
<td>2</td>
<td>Staff from “school of Computer Information and Mathematical Sciences”</td>
<td>BSAU</td>
<td>A School on Algorithms and Techniques(FDP)</td>
<td>5 days July 22nd – July 27th,2015</td>
</tr>
<tr>
<td>3</td>
<td>Research Scholars of Computer Science and Engineering department</td>
<td>BSAU</td>
<td>Quality Assurance in Academic and Sponsored Research(Workshop)</td>
<td>1 day March,2015</td>
</tr>
<tr>
<td>4</td>
<td>Mrs.R.Akila Mrs. R.Narayani</td>
<td>VIT Chennai</td>
<td>International Workshop on Implementing Cloud Using Open Stack</td>
<td>2 days, 12th &amp; 13th March 2015</td>
</tr>
<tr>
<td>5</td>
<td>L. ArunRaj</td>
<td>Anna University</td>
<td>Author Workshop jointly organized by Springer &amp; Anna University, Chennai</td>
<td>1 day 17th March 2015</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Institution/Date/Event/Location</td>
<td>Details</td>
<td>Duration</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------</td>
<td>---------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>6</td>
<td>Mrs. S. Bagirathi/Mrs. C. Hema</td>
<td>Vels University 29th June 2015</td>
<td>International Workshop on Mobile Application Design and Development for Android</td>
<td>1 day</td>
</tr>
<tr>
<td>7</td>
<td>Dr. R. Shiriram</td>
<td>State Planning Commission</td>
<td>New Skill Development Initiatives/schemes in Tamil Nadu (Workshop)</td>
<td>1 day</td>
</tr>
<tr>
<td>8</td>
<td>Mrs. T. Nagamalar</td>
<td>IEEE Bangalore Section</td>
<td>IEEE SmartTech Workshop-2015 (Workshop)</td>
<td>2 days</td>
</tr>
<tr>
<td>9</td>
<td>Subhashini S</td>
<td>SSN College of Engineering</td>
<td>Research Prospects in Image Fusion and Registration</td>
<td>2 days</td>
</tr>
<tr>
<td>10</td>
<td>C. Hema/Subhashini.S</td>
<td>BSAU in association with</td>
<td>Recent Research Techniques in Wireless Communication and Networks</td>
<td>2 days</td>
</tr>
<tr>
<td></td>
<td>S. Bagirathi</td>
<td>National Instruments</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CTS Siruseri</td>
<td>Wearables and New Age Testing Solutions</td>
<td>1 day</td>
</tr>
<tr>
<td>11</td>
<td>Dr. K. M. Mehata/Dr. S. Anan</td>
<td>Tata Consultancy Services</td>
<td>Assurance Faculty Connect Program me</td>
<td>1 day</td>
</tr>
<tr>
<td></td>
<td>Dr. S. Bagirathi/Dr. S. Anan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. M. Sandhya/Dr. S. Anan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Dr. M. Sandhya/Mrs. S. Radhika</td>
<td>BSAU</td>
<td>ICTACT Digital Youth Summit 2016</td>
<td>1 day</td>
</tr>
<tr>
<td></td>
<td>Mrs. S. V. Muthupriya/Mrs. A</td>
<td>ICTACT</td>
<td>Introduction to PHP Programming</td>
<td>6th</td>
</tr>
<tr>
<td></td>
<td>K. V. S. Bagirathi/Mrs. A.</td>
<td>ICTACT</td>
<td></td>
<td>7th</td>
</tr>
<tr>
<td></td>
<td>K. V. S. Bagirathi</td>
<td>ICTACT</td>
<td></td>
<td>January 2016</td>
</tr>
<tr>
<td>13</td>
<td>Mrs. S. Banu</td>
<td>BSAU</td>
<td>ICTACT Digital Youth Summit 2016</td>
<td>1 day</td>
</tr>
<tr>
<td>14</td>
<td>Mrs. S. Banu</td>
<td>ICTACT</td>
<td>Introduction to PHP Programming</td>
<td>6th</td>
</tr>
<tr>
<td>15</td>
<td>Mrs. S. Banu</td>
<td>BSAU-Women Empowerment Cell</td>
<td>Gift Yourself</td>
<td>18th January</td>
</tr>
</tbody>
</table>

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>11</td>
<td>-</td>
<td>9</td>
<td>20</td>
</tr>
</tbody>
</table>
### DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

**Journals Details:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Author(s)</th>
<th>Title</th>
<th>Journal Details</th>
</tr>
</thead>
</table>

**Conferences Details:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Author(s)</th>
<th>Title</th>
<th>Conference Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mr.C. Imthyaz Sheriff, Dr. Angelina Geetha</td>
<td>&quot;Healthcare Informatics and Analytics Framework&quot;</td>
<td>International Conference on Computer Communication and Informatics (ICCCI -2015), Pondicherry University, 19-21 Sep 2014</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. R. Shriram, S. Sathyaa</td>
<td>&quot;Survey on Emotion Recognition from Speech&quot;</td>
<td>Tamil Internet Conference 2014, Pondicherry University, 19-21 Sep 2014</td>
</tr>
</tbody>
</table>
| 5.  | Ms. Saira Banu | "Pre acceptance method to block spam over internet telephony" | International Conference on Electrical, Electronics and Computer Engineering, ICEECE


**SPONSORED RESEARCH (ONGOING / APPLIED)**

<table>
<thead>
<tr>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R. Shriram &amp; Radhika</td>
<td>Tamil Virtual Academy TVA, Chennai</td>
<td>Tamil Plagiarism Detection Software”, Tamil Virtual Academy (TVA), Chennai, March 2015.</td>
<td>Sanctioned for Rs. 2.5 lakhs</td>
</tr>
<tr>
<td>Dr. R. Shriram</td>
<td>Central Institute of Classical Tamil (CICT), Chennai</td>
<td>“Meta Rule modeling of Tamil using Tolkappiyam as the base”, March 2015</td>
<td>Applied</td>
</tr>
<tr>
<td>Dr. R. Shriram</td>
<td>TDIL Programme, New Delhi,</td>
<td>“Development of Grammar – Based Technologies for Indian Languages”, March 2015</td>
<td>Applied</td>
</tr>
</tbody>
</table>

**INTERNATIONAL VISIT (ACADEMIC RESEARCH)**

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

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

ACHIEVEMENTS OF STUDENTS

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

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

SOCIETY ACTIVITIES

- Mr. Rangamani, Vice president Global Absolute was the chief guest for the inauguration of CSE Association and Association for Computing machinery conducted on 25th August 2015.

- One day seminar on “New trends in data Integration, Analytics and BI” was conducted on 14th October 2015 by ACM student chapter of our University.

IMPORTANT VISITORS

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

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

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

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

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

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

TRAINING PROGRAMMES OFFERED


- The department conducted school level “Secure Cloud training” class during 28th August to 16th October 2015.

- Conducted Five days Training Programme on Android Application Development during 5, 6, 12, 13 & 17 September 2015 organized by BSAU Apple iOS Application Development Centre.

- Conducted seven days Training Programme on “iOS Application Development” organized by BSAU Apple iOS Application Development Centre during 08.08.2015, 09.08.2015, 16.08.2015, 22.08.2015, 23.08.2015, 29.08.2015 & 30.08.2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- The department has organized a three-day workshop on “Network Security” in association with IBNC INDIA Ltd and I-Medita Learning Solutions (P) Limited during 19th to 21st September 2015.

- The department has organized Hands on session on Android applications for Third year B.Tech IT students on 3rd Nov 2015 at BSAU Apple lab.

- The speaker Mr.Varadarajan Sridharan, Capability Architect, Cognizant Academy, CTS, Chennai delivered the Guest Lecture on “Programming Skills in 21st Century” at the inaugural function of Society of Information Technologists (SIT) organized by the Dept of Information Technology, BSAU on 12th August 2015.

- The speaker Mr.Manish Tyagi, IBNC INDIA Ltd and I-Medita Learning Solutions (P) conducted the three day workshop on "Network Security" organized by the Dept of Information Technology, BSAU during 19th to 21st September 2015.
CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

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

- Dr. Latha Tamilselvan, Prof & Head attended seminar on “International Digital Solutions for a Smarter Tamil Nadu” on July 27th 2015 at ITC Grand Chola, Chennai.
- Ms. T. Anusuya, AP attended the InCyCon-15 Indian Cyber Conference on 7th & 8th Aug, 2015 at BSAU.
- Mrs. P. Usha, Assoc. Prof, Ms. L. Shakkeera AP(Sr.Gr), Ms. Fathimuthu Shaniya, AP and Ms. A. Sonya AP attended the workshop on “Self Defence Training Programme for women” organized by the Women Empowerment Cell and the Department of Physical Education on 7th August 2015. in the Seminar Hall-II of the Convention Centre at BSAU.
- All the faculty of department of Information Technology has attended the Guest lecture on “Programming Skills in 21st century” by Mr. Varadarajan Sridharan, Capability Architect, Cognizant Academy, CTS, Chennai at the inaugural function of Society of Information Technologists (SIT) organized by Dept of Information Technology at BSAU on 12th August 2015.
- Ms. A. Sonya AP attended the workshop on “IEEE Authorship Workshop in India” on 20th August 2015. at IIT-Madras.
- Ms. A. Sonya AP attended the one day workshop on “The Awareness Workshop on Intellectual Property Rights” on 29th August 2015 at BSAU.
- Dr. Latha Tamilselvan Prof & Head, Ms. P. Usha, Assoc. Prof, Ms. L. Shakkeera AP(Sr.Gr) and Ms. R. Priyadarshini AP(Sr.Gr) attended guest lecture on “A New Approach to Fast Handover of Mobile Nodes in Wireless Networks” by Dr. V. Sankaranarayanan, Professor of Eminence/IT organized by Research Forum at BSAU on 29th August 2015.
- Mrs. P. Usha, Assoc. Prof, Ms. L. Shakkeera AP(Sr.Gr) and Ms. R. Mythily, AP attended guest lecture on “Design, Thinking and Innovation” by Ms. Yasmeen Fathimah organized by Research Forum at BSAU on 8th September, 2015.
- Ms. L. Shakkeera AP(Sr.Gr), Mr. E.K. Subramanian AP(Sr.Gr), Ms. R. Mythily AP attended two days workshop on “Analytics, Internet of Things & Web of Things-A 3600 View” organized by Department of Computer Science & Engineering at BSAU during 6th & 7th October, 2015.
- Mrs. P. Usha, Assoc. Prof, Ms. L. Shakkeera AP(Sr.Gr) and Ms. A. Sonya AP attended guest lecture on “Story Telling Techniques” by Ms. Jeeva Raghunath and Craig Jenkins organized by Faculty Training Academy, BSAU on 10th September, 2015.
- Dr. Latha Tamilselvan Prof & Head, Ms. P. Latchoumy, AP(Sel.Gr), Dr. G. Kavitha, AP(Sel.Gr) attended a three-day workshop on “Network Security” during 19th to 21st September 2015 in association with IBNC.
- Dr. Latha Tamilselvan, Prof & Head, Dr. G. Kavitha, AP(Sel.Gr), Ms. L. Shakkeera AP(Sr.Gr) attended three days MHRD’s QEEE (Quality Enhancement in Engineering Education) Phase IV programme on “Smart Phone Computing” by Prof. Niloy Ganguly, IIT Madras on 8th October, 12th and 13th October, 2015.
- Ms. R. Mythily AP, Ms. Sonya, AP attended one day workshop on Preparing Technical teachers for optimal class Room delivery through English Language on 28th October, 2015.
Dr. M. Kabeer, AP(Sel.Gr), Mr. E.K. Subramanian AP(Sr.Gr) and Ms. Sonya, AP attended a guest lecture on “Towards the Next Generation of Biomarkers” delivered by Dr. Samarjit Das, John Hopkins University, USA organized by Research Forum, BSAU on 17th December, 2015.

Dr. Latha TamilSelvan, Prof & Head attended one day conference TIEcon Masterclass event, ITC grand Chola, Chennai on 31st Oct 2015.

Dr. Latha TamilSelvan, Prof & Head Attended a workshop on Hands-on Experience sharing on writing funded proposals to Agencies” on 22-01-16 at BSAU.

Faculty members of IT department attended one day workshop on “Mind Matters” organized by Physical Education Department, Women Empowerment Cell and Sexual Harassment and Redressal Cell of B.S.Abdur Rahman University on 21st January, 2016.

Dr. Latha TamilSelvan, Prof & Head attended a meeting on University Technology Mara, UiTM, Malaysia, Delagation Visit to BSAU on Exchange of best practices in University governance on 29th January 2016.

Dr. M. Kabeer, AP(Sel.Gr) attended a webinar on the software “Netsim” on 8th January 2016.

P. Usha, (Assoc.Prof), Ms. L. Shakkeera AP(Sr.Gr), Ms. C. Vijayalakshmi, AP(Sr.Gr), Ms. T. Anusuya, AP, Ms. R. Mythily " attended two days Faculty Development Programme (FDP) on “Introduction to PHP Programming” conducted by Faculty Training Academy, B.S. Abdur Rahman University in collaboration with ICT Academy of Tamilnadu during 6th-7th January, 2016.

Ms. L. Shakkeera, AP(Sr.Gr) attended one day workshop on “Gift Yourself” organized by Women Empowerment cell of B.S. Abdur Rahman University 18th January, 2016.

Ms. L. Shakkeera, AP(Sr.Gr) attended two days workshop on “Creative Thinking” conducted by Faculty Training Academy at B.S. Abdur Rahman University in collaboration with ICT Academy of Tamilnadu during 19th - 20th January, 2016.

Ms. P. Latchoumy, AP(Sel.Gr), Ms. C. Vijayalakshmi, AP(Sr.Gr), Mrs. Nabeena Ameen, AP, Ms. T. Anusuya, AP attended the Guest Lecture on "Entrepreneurship Development" at BSAU on 12th January 2016.

Ms. C. Vijayalakshmi AP(Sr.Gr), Mrs. Nabeena Ameen, AP, Ms. T. Anusuya, AP attended one day workshop on " Apple Professional Development" conducted by BSAU - Apple iOS Application Development Centre in association with Apple Inc. on 6th February 2016.

Ms. C. Vijayalakshmi AP(Sr.Gr), Ms T. Anusuya, AP attended guest lecture on Attended guest lecture on Cybercrime, IT standards and legislation on 5.2.16 at BSAU.
PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>06</td>
<td>-</td>
<td>07</td>
<td>13</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

INTERNATIONAL JOURNALS


INTERNATIONAL CONFERENCE

- S. Anitharaj, R. Priyadharshini "An Efficient Tracking system for reverse auction in cloud computing" in International conference on innovative technologies of computing sciences (ICITCS ‘2015) during 17th and 18th April 2015 organized by Vels University, Chennai.


DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

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

ACHIEVEMENTS OF STAFF

• Mr. N. Prakash, AP(Sel.Gr) Completed PhD Viva Voce on 30.04.2015.

• The following faculty members received cash award under Research Incentive Scheme of BSAU on 31st August 2015.

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

ACHIEVEMENTS OF STUDENTS

• Mr. SHYLESH PATIL, Mr. HUSSAIN M. DHORAJIWALA and Mr. MOHAMMED FAYAZ of final year B.Tech IT students presented paper on “GREEN CLOUD COMPUTING” and secured the First Place in the event “CLOUD CONNECT” in CRESPIRE 2015 organized by the department of IT on March 2015.

• Mr. HUSSAIN M. DHORAJIWALA student of final year B.tech IT was awarded as the BEST OVERALL PERFORMER OF THE DAY in Crespire2015.

• MS. THARIKA, MS. SOWMIYAA students of final year B.tech IT presented paper in CRESPIRE 2015 and won second place.

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

Mohammed Irfan Khan of B.Tech (IT) second year has secured 2nd place in the event “Adzap” on literary day 2015 held on 31st of October.

Mohammed Irfan Khan of B.Tech (IT) second year has secured 2nd place in the event “Channel Surfing” on literary day 2015 held on 31st of October.

Mohammed Irfan Khan of B.Tech (IT) second year has secured 1st place in the event “Variety and Adzap” on Orion 2015.

Shammer Khan of B.Tech (IT) second year has secured 2nd place in the event “Adzap” on Orion 2015.

INDUSTRY / INSTITUTE COLLABORATION

Dr. Latha Tamilselvan Prof & Head, visited and discussed for “Social Innovation and Entrepreneurship”, at Hindustan University Innovation Centre - IIT Madras on 10th August 2015.

The school of Computer Information and Mathematical Sciences have conducted and participated in industry Institute Meet on 10th October 2015.

SOCIETY ACTIVITIES

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

ANY OTHER INFORMATION

Ms. L. Shakkeera, AP(SG)/IT organized Industrial Visit Programme for second year B.Tech (IT) students to Larson & Turbo Limited, Manapakkam, Chennai on 8th September, 2015.

Dr. N. Prakash, AP(Sel.Gr), acted as the department Coordinator for Open House Event on organized by BSAU on 16th & 17th October 2015.

Dr. Latha Tamilselvan, Prof. & Head, one of the member in organizing the inauguration of Innovation Center on 15.10.15 at BSAU.

Ms. C. Vijayalakshmi, AP(Sr.Gr) coordinated "ICTACT Digital Youth Summit 2016" organized by ICTACT held on 30th Jan 2016 at BSAU, Chennai.

The State government has honoured 26-year old S. Mohammad Yunus, IT Dept Alumni (2007-2011 Batch) BSAU, for his “selfless, noble and brave act” of rescuing nearly 2,100 people during the recent floods that devastated Chennai.

Mr. Venkatesh, student of Third year IT became the editor of the Rotaract Youth Club and participated in various activities like Chennai flood relief and blood donation camps.
COMPUTER APPLICATIONS

TRAINING PROGRAMMES OFFERED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

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

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

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

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

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

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>13</td>
<td>-</td>
<td>12</td>
<td>28</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:


• Javubar Sathick, A.Jaya “Natural Language to SQL Generation for Semantic Knowledge Extraction from Social Web Sources”, International Journal of science and technology


• Murugesh,A.Jaya," Construction of Ontology for software requirements elicitation." ,Indian journal of science and technology (Annexure I) Scopus Indexed vol 8,issue no 29,Nov 2015

**International Conference**

• Murugesh A.Jaya ,"Construction of ontology for software requirements elicitation", International Conference on innovations in contemporary IT Research, Quaid-E-Millath Government college for Women, Chennai, 7th Feb 2015

• Murugesh, A.Jaya ," Role of domain knowledge representation for software requirements elicitation(virtual presentation)",International Conference on Signal Processing, Control and Data Analytics, San Diego, USA, 15th Mar 2015

• Mervin, A.Jaya," Classification of user’s answer using sentiment analysis", International Conference on Signal Processing, Control and Data Analytics-International Society for Scientific Research and Development (ISSRD hosted in USA), 14th Mar 2015

National Conference

DETAILS OF IMPACT FACTOR OF THE PUBLICATION

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

ACHIEVEMENTS OF STAFF

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

ACHIEVEMENTS OF STUDENTS

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

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

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

Club Activities

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

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

INDUSTRY / INSTITUTE COLLABORATION

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

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the Guest</th>
<th>Designation</th>
<th>Company name &amp; Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. Tameem Sayed</td>
<td>Managing Director</td>
<td>Fortran Cirkit, Chennai</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Shahwawaz</td>
<td>Director</td>
<td>Hi Brise Chennai</td>
</tr>
</tbody>
</table>
### SOCIETY ACTIVITIES

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

National Technical Symposium - CyberCrest’16 was held on 16\textsuperscript{th} March 2016.
DEPARTMENT OF MATHEMATICS & ACTUARIAL SCIENCE
# MATHEMATICS AND ACTUARIAL SCIENCE

## CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

<table>
<thead>
<tr>
<th>S. No</th>
<th>Date /Month /Year</th>
<th>Name of the Conference/FDP/Seminar/Workshop</th>
<th>Details of the Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7-9, June 2015</td>
<td>ADMA Pre conference Workshop on Fuzzy Graphs</td>
<td>Invited Talk 1 Dr. S. Arumugam, Director, CARDMATH, Kalasalingam University Invited Talk 2 Dr. V. Lakshmana Gomathi Nayagam, Professor, NIT, Trichy</td>
</tr>
<tr>
<td>2</td>
<td>10th-12th, June 2015</td>
<td>Eleventh Annual Conference of ADMA (Graph Theory Day XI)</td>
<td>Guest of Honor Prof. R.B. Bapat from ISI(Delhi), Prof. S. Sane from IIT(B), Prof. P. Paulraja from Kalasalingam University,</td>
</tr>
<tr>
<td>3</td>
<td>1/08/2015</td>
<td>One day workshop on “Role of Mathematics in Bio-Modelling”</td>
<td>Invited Talk 1 Prof. R. Sahadevan, Ramanujan Institute of Advanced Studies in Mathematics, Madras University. Invited Talk 2 Dr. Shangerganesh Lingeshwaran, Postdoctoral Fellow, Indian Institute of Science, Bangalore. Invited Talk 3 Prof. Mini Ghosh, School of Advanced Sciences, VIT, Chennai</td>
</tr>
</tbody>
</table>
### CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

<table>
<thead>
<tr>
<th>CONFERENCE</th>
<th>FDP</th>
<th>Seminar</th>
<th>Workshop</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>0</td>
<td>13</td>
<td>18</td>
</tr>
</tbody>
</table>

### PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>9</td>
<td>0</td>
<td>11</td>
<td>28</td>
</tr>
</tbody>
</table>

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

### DETAILS OF PRESENTATIONS / PUBLICATIONS

**INTERNATIONAL JOURNAL – LIST OF PUBLICATIONS**

<table>
<thead>
<tr>
<th>SNo</th>
<th>Authors as Appeared in the Publication</th>
<th>Publication Title</th>
<th>Journal Title</th>
<th>Vol No</th>
<th>Issue No</th>
<th>Page No</th>
<th>Month &amp; Year of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Authors</td>
<td>Title</td>
<td>Journal</td>
<td>Volume</td>
<td>Issue</td>
<td>Pages</td>
<td>Year</td>
</tr>
<tr>
<td>-----</td>
<td>---------</td>
<td>-------</td>
<td>---------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>8</td>
<td>T.R. Ramesh RAO</td>
<td>A Study On Linear and Nonlinear Schrodinger Equations by Reduced Differential Transform Method</td>
<td>Malaya Journal of Matematik</td>
<td>4</td>
<td>1</td>
<td>59-64</td>
<td>Feb 2016</td>
</tr>
</tbody>
</table>
SPONSORED RESEARCH (ONGOING / APPLIED)

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

ACHIEVEMENTS OF STAFF

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

ACHIEVEMENTS OF STUDENTS:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of the Student</th>
<th>Achievement of the Student</th>
<th>Month /Year</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ms. Rupel Narghunam</td>
<td>Professional Exam</td>
<td>May/2015</td>
<td>CT1/Financial Mathematics Examination conducted by Institute of Actuaries of India</td>
</tr>
</tbody>
</table>

ANY OTHER INFORMATION:

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

- Dept. of Electrical & Electronics Engg.
- Dept. of Electronics & Communication Engg.
- Dept. of Electronics & Instrumentation Engg.
DEPARTMENT OF
ELECTRICAL & ELECTRONICS
ENGINEERING
ELECTRICAL AND ELECTRONICS ENGINEERING

TRAINING PROGRAMMES OFFERED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS : CONDUCTED

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

GUEST LECTURES CONDUCTED:

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

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

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

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

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

- Organised a guest Lecture on ”Molecular imaging in disease diagnostics” by Dr. Ammasi Periasamy, Professor & Center Director, University of Virginia, USA on 4.06.2015
CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Dr.K.Boopathy, Assoc. Prof/EEE attended Short term course on “Power Electronics For Grid Connected Renewable Energy System (PEGCRES-2015) ” from 14th to 16th May 2015, at NIT Calicut.

- Mrs. Jennathu Beevi attended a workshop on “ Women Academic Managers : Challenges and Approaches held on 29th April 2015 at BSAU organized by Women Empowerment Cell, BSAU.

- Mrs.Ramya- AP/EEE, Mrs Divya Vijay- AP/EEE, Mrs. K.G.Shanmugapriya, AP/EEE, Belwin J.Brearley, AP(SG)/EEE, Ms.Sarmila Har Baegum, AP/EEE, Mr.Athbel Joe AP/EEE and Mr.S.Suresh AP/EEE participated in didactic seminar on cadence Orcad, PSPICE Orcad organized by ECE department BSAU on 26th July 2015.

- Mrs.Ramya, AP/EEE, Mrs. K.G.Shanmugapriya AP/EEE, Belwin J.Brearley, AP(SG)/EEE and G.Kavitha, AP/EEE and Ms. Sarmila Har Baegum AP/EEE attended ANSYS training at BSAU on 5th and 6th of May 2015.

- Mrs Divya Vijay, AP/EEE attended FDP on MATLAB, SIMULINK at HSP, ISRO during April 2015.

- Mrs. Jennathu Beevi, Ms. Sarmila Har Baegum AP/EEE Mrs. K.G.Shanmugapriya, AP/EEE Mr.S.Suresh, Mrs. Nisha. K – AP/EEE AP/EEE, attended a one day workshop on Quality assurance in Research at BSAU on 7th March 2015.

- Mrs. K.G.Shanmugapriya, AP/EEE and Sarmila Har Baegum AP/EEE attended Women Opportunities and Challenges at BSAU during April 2015.

- Mr.S.Suresh, AP/EEE attended a workshop on “Bigdata analysis and signal processing using MATLAB” at Guindy


- Ms.V.Selvi attended one day National Seminar on "Research Challenges in Micro grid " organized by SELECT,VIT Chennai on 9 May 2015.

- Ms.V. Selvi attended one day workshop on “Women academic Managers: Challenges and Approaches”, Organized by BSAU on 29 April 2015.

- Dr.R.Raja Prabu, Prof/EEE & Dean (AR) attended workshop on ABET on 28th September 2015 organized at Chennai.

- Dr. I.Mohammed Rafeequiduin, Prof/EEE, Mr. A. Sultan Saleem Assoc. Prof/EEE attended two days workshop on Smart Grid and Renewable Energy organized by CPRI, Bengaluru on 26th and 27th November 2015.
Ms.V. Selvi, AP/EEE attended FDP on “Role of Renewable Energy in an Indian Power Sector (RPEIPS15)” from 21.9.2015 to 27.9.2015 at Anna University, BIT campus, Trichy.

Ms.A. Kalirathinam, AP/EEE attended a workshop on “Self Defence training programme for woman at BSAU” on 7th August 2015.

Ms.A. Kalirathinam, AP/EEE and Ms. Sarmila Har Baegum, AP/EEE participated one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English language at BSAU” on 28th October 2015.

S.Jennathu Beevi AP(SG)/EEE attended a 3 days’ workshop on “Real time simulations of Electrical systems” organized by school of Electrical Engineering, VIT Chennai from 20th to 22nd August 2015.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>13</td>
<td>--</td>
<td>15</td>
<td>33</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

INTERNATIONAL JOURNAL


INTERNATIONAL CONFERENCE


2) Suresh Kumar R, Dr. K. N. Srinivas Prof & Head/EEE, "Analysis of In-Wheel switched Reluctance Motor," Second International Conference on Contemporary Challenges in Engineering and Management (ICCCEM 2k15), pp 10, 11-12 April 2015.

3) R. Shanthini, Dr. K. Boopathy Assoc Prof/EEE, "Speed Control and Power Factor Correction using Bridgeless Buck boost Converter for Bldc Motor Drive," Second International Conference on Contemporary Challenges in Engineering and Management (ICCCEM 2k15), pp 10, 11-12 April 2015.


NATIONAL CONFERENCE


DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

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

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

SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs in Lakhs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. K. N. Srinivas (Principal Investigator) Mr. M. Ramkumar (Co-investigator)</td>
<td>CVRDE (DRDO)</td>
<td>Vibration and computational flow assisted Thermal Analyses and Design Validation through prototyping in Electric machines used for Vehicle Applications using Finite element Technology</td>
<td>19.56</td>
<td>Applied</td>
</tr>
</tbody>
</table>

SPECIAL RESEARCH LABORATORIES CREATED

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

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

Patent Applied:

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

ACHIEVEMENTS OF STAFF

➢ Dr. K.N. Srinivas, Prof &HOD/EEE, Dr.R.Raja Prabu, Prof/EEE & Dean (AR) went to New Delhi for appeal against non accreditation of M.Tech (PSE) and got accredited for the same for 2 years.

➢ Mr. Y. Mohamed Shuaib, AP(Sel.Gr.)/EEE has successfully completed his Ph.D. Viva Voce Examination on 21st November 2015 at Jawaharlal Nehru Technological University, Hyderabad. His research title “Analysis of Radial Distribution System for Loss Minimization using Artificial Intelligence Techniques”, under the guidance of Dr. M. Suryakalavathi, Professor, Department of EEE, JNTU College of Engineering, Hyderabad.

ACHIEVEMENTS OF STUDENTS

➢ The third year EEE students attended 30 days Industrial Internship in various industries such as Pals –IITM, Andrew Yule Ltd-Perungudi, TNPL, BHEL, Airport Authority of India etc.,

➢ Placement: 19 B.Tech (EEE), 6 M.Tech (PSE) and 2 M.Tech (PED) for the 2015 batch was placed in IT and Core companies.

INDUSTRY / INSTITUTE COLLABORATION

➢ The third year EEE students attended 30 days Industrial Internship in various industries such as Pals –IITM, Andrew Yule Ltd.,Perungudi, TNPL, BHEL, Airport Authority of India etc.,

➢ Organized Industrial Institute meet at the Department on 10th October 2015, in which chief executives of leading companies such as VI Microsystem, ANSYS, Siemens, Andrew Yule, Denetim Automation, Apollo tyres, Pantech Solutions Pvt. Ltd., etc. attended the meeting.
SOCIETY ACTIVITIES

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

EXTENSION ACTIVITY CONDUCTED

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

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

National Conference:

5. A.M.Villavan, A.Ramesh Kumar, "Design and fabrication of high gain microstrip patch array antennas for Wimax applications at 5.5ghz" National Conference on Recent trends in VLSI, Information and Communication, 23/4/2015.


**International Conference:**


PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>40</td>
<td>Nil</td>
<td>12</td>
<td>61</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:


DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

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

SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. C. Tharini Co- PI: Dr. D. Najumnissa Jamil, Prof &amp; Head E&amp;I Dept., Ms. S. Kalaivani</td>
<td>DST</td>
<td>Smart cardiovascular Disease Screening Kit For Diabetes Mellitus Patients In Rural Areas Of Chennai</td>
<td>21 lakhs</td>
<td>Applied</td>
</tr>
</tbody>
</table>

ACHIEVEMENTS OF STAFF:

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

#### STUDENTS ACHIEVEMENTS FOR THE YEAR 2015_16

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

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

**INDUSTRY / INSTITUTE COLLABORATION:**

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

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

Club Activities on 6th November 2015

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

MoUs SIGNED

MoU with M/s. Jasmin Infotech, Chennai on 04-02-2016.
MoU with National Instruments, Bangalore on 17.02.2016

IMPORTANT VISITORS

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

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

TRAINING PROGRAMMES OFFERED:

- A training program on “Honing Interview Skills” for benefit of III yr EIE students was organized on 19.3.15 and 19.9.15. Mrs. D. Meherinissa, HOD / Career development centre, SRM University, Ramapuram Campus, Chennai - 89 was the resource person.

- Conducted one day hands on training in “Matlab and its applications” on 19.9.15

- Conducted one day hands on training in “Matlab and its applications” on 5.9.15.

- Conducted one day hands on training in "PSPICE and its application to circuit design" on 12.3.16

- Conducted two days workshop on “Embedded Systems and its application to Instrumentation” on 15.6.16 and 16.3.16. Mr. S. Selvaradj, SS Technologies was the resource person.

GUEST LECTURE CONDUCTED

- Organized a Guest Lecture on Power Plant Instrumentation for the benefit of all EIE students on 18.2.16. The resource person was Mrs. Ayesha Jamal, Senior Application Engineer, Schneider Electric, Chennai

- Organised a lecture on Industrial Automation on 23.2.16. The Resource person was Mr. S. Arun Kumar, Engineer, Technocrat Automation Pvt Ltd, Chennai

- Organised a lecture on Automation and control for Industrial applications on 11.3.16. The Resource person was Mr. Mazharuddin Mohamed Shaik, Engineer, Prolific Automation Pvt Ltd, Chennai

- Mr. P. Murugan, superintending Engineer, M.N. Dasthur and Co Pvt Ltd., delivered a lecture on “Scope of Instrumentation Engineers in Core Industries” on 19.3.16
CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

- Dr. U.Sabura Banu, Prof./EIE participated in the workshop on "Women Academic Managers: Challenges and Approaches" held on 29th April 2015 at B.S. Abdur Rahman University organized by the Women Empowerment Cell.

- Mr. Vamsi Krishna Muvala, AP/EIE attended the Faculty development programme on “Linear Integrated Circuits” organized by StarCom Information technology and Texas Instruments at Easwari Engg. College, Chennai on 22.6.15 & 23.6.15

- Dr. U. Sabura Banu, Prof./EIE and Mr. Vamsi Krishna Muvala, AP/EIE attended Didactic seminar on CADENCE Or CAD PSPICE & OrCAD PCB organized by Electronics and Communication Engineering, B.S.Abdur Rahman University, Vandalur, Chennai - 48 and Entuple techonologies on 26th June 2015

- Dr. U.Sabura Banu, Prof./EIE attended a complementary seminar on Matlab and Simulink for Engineering Education conducted by National Instruments on 8th July 2015 at Le Royal Meridian Chennai

- Dr. U.Sabura Banu, Prof./EIE participated in Faculty Development Program on Integrated Electronic Circuits Education using NI platform on Integrated Electronics Circuits Education using NI platform at Dhanalakshmi College of Engineering, Chennai from 20th to 22nd July 2015 conducted by DCE, Chennai in association with ICT Academy of Tamilnadu and National Instruments

- Dr. U. Sabura Banu, Prof. /EIE, Ms.G. Anidha, AP (Sr.Grade)/EIE, Ms.P.R.Hemavathy AP(Sr.Grade)/EIE and Mr.N.Sivaramakrishnan, AP/EIE attended a workshop of “Role of mathematics in Bio modeling” conducted by department of mathematics BSAU on 1.8.15

- Dr. D.Najumnissa Jamal Prof / EIE, attended International workshop on seizure prediction (IWSP7) held at University of Melbourne, Australia during 3rd to 6th August, 2015

- Ms.P.Anbu malar, AP/EIE attended two days workshop on “Work shop on wavelets for image processing” from 6.815 to 7.8.15 orgnasied by IEEE comunication society-ieee madras section

- Ms.P.R.Hemavathy AP(Sr.Grade)/EIE and Mr. J. Lakshmana Prabu JRF/EIE attended a workshop ‘softcomputing techniques “from 28.8.15 to 30.8.15 organized by Department of computer technology at Madras Institute of Technology, Chennai.

- Mr.V.Vamsi Krishana Muvala, Asst.professor /EIE attend the one day workshop organized by the school of Social sciences and Humanities on 28.10.2015.
• Dr. U. Sabura Banu, Prof./EIE participated in the Executive Colloquium on "Initiatives on Strategic skill Development" on 26th November 2015 at Hilton Hotel, Guindy, Chennai.

• Dr. U. Sabura Banu, Prof./EIE participated in the Masterclass event in TIECON 2015 on 31st October 2015.

• Dr. U. Sabura Banu, Prof./EIE attended the Interactive session with Prof. Kevin D. Jones, Executive Dean, Science & Engineering, Plymouth University on December 15th, 2015.

• Dr. U. Sabura Banu, Prof./EIE attended the Introductory meeting for the Establishment of Continuous Air Quality Monitoring Stations (CAAQMS) on 16th December 2015 in TNPCB, Guindy, Chennai - 32.

• Ms .P. R. Hemavathy AP(Sr.Grade)/EIE attend attend the two day National workshop on “Advanced Computing for control and optimization” organized by school of Electrical Engineering (SELECT), VIT University, Vellore, on 8-9 January 2016.

• Dr. D.Najumnissa Jamal Prof & Head /EIE, Dr. U. Sabura BanuP,EIE and M.S.Murshitha Shajahan, AP(SG) attended a workshop titled GIFT YOURSELF organized by Women Empowerment Cell on 18.1.16

• Dr. D.Najumnissa Jamal Prof & Head /EIE, M.S.Murshitha Shajahan, AP(SG) and Ms.G.Anitha, AP(SG) attended a workshop on Correlation of PEO and PO organized by the University on 3.2.16

• Dr. D.Najumnissa Jamal Prof & Head /EIE, and M.S.Murshitha Shajahan, AP(SG) attended a workshop on Apple Professional Development organized by BSAU – Apple iOS application development centre in association with Apple Inc. on 6.2.16

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>14</td>
<td>2</td>
<td>6</td>
<td>30</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

Paper Presented at International / National Conference:


• P.R.Hemavathy, U.Sabura Banu, Saranya," State feedback controller with fractional integrator for a two interacting tank process", International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, August 2015.

• N.Sivaramakrishnan, U.Sabura Banu, J.Lakshmana Prabu," Design of Linear Quadratic controller for Quasi Z source inverter", International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai, August 2015.


• C. Bharanitharan,P.R Hemavathy, U. Sabura Banu,” Real time implementation of Fractional order PID controller using Genetic Algorithm based Smith Predictor for Three interacting process" International Conference on Emerging Trends in Engineering Research (ICETER), VELS University, Chennai, April 2015

• D. Najumnissa Jamal,B. Pushpa,Syed Rafiammal," Feature Selection and Detection of Epileptic Seizure EEG Signals using EMD and PSO", International conference on Recent Advances in Engineering, Science and Technology, organized by Department of Biomedical Engineering, Noorul Islam University, Kanyakumari”, April 2015.


NATIONAL JOURNALS


• M. Ramamoorthy, U. Sabura Banu, "Video Enhancement and Surveillance System by using Partial Wavelet Algorithm", Journal Of Theoretical And Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), September 2015

INTERNATIONAL JOURNALS


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

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

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Publication Details</th>
<th>Impact factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>M. Ramamoorthy, U. Sabura Banu, &quot;Video Enhancement and Surveillance System by using Partial Wavelet Algorithm&quot;, Journal Of Theoretical And Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), September 2015</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>P. Gnanasekaran, T.R. Rangaswamy, &quot;Relative Link and Path Stability based Routing Protocol for Mobile Ad-hoc Networks&quot;,</td>
<td>SJR – 0.13</td>
<td>5</td>
</tr>
</tbody>
</table>
SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Pattani Samsudeen Sheikuduman, Professor, Maths Department &amp; Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engg.</td>
<td>Department of Science and Technology, SERB under Extra Mural Research Funding scheme</td>
<td>Risk Factor Analysis Of Heart Diseases Using Mathematical And Intelligent Techniques</td>
<td>10.22</td>
<td>submitted</td>
</tr>
<tr>
<td>2</td>
<td>Dr. S. Hemalatha, Dean, School of Life Science &amp; Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engineering</td>
<td>under US-India collaborative project scheme to DBT</td>
<td>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</td>
<td>45.96</td>
<td>submitted</td>
</tr>
<tr>
<td>3</td>
<td>Dr. S. Hemalatha, Dean, School of Life Science &amp; Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engineering</td>
<td>Tamilnadu to Science for Equity, Empowerment &amp; Development Division (SEED), Department of Science &amp; Technology</td>
<td>Establishment of Rural Women Technology Park</td>
<td>41.90</td>
<td>submitted</td>
</tr>
</tbody>
</table>
BOOK PUBLISHED


PATENTS (OBTAINED / APPLIED):

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

ACHIEVEMENTS OF STAFF

- Dr. T.R. Rangasamy, Prof./EIE & Dean (Academics), Dr. U. Sabura Banu, Prof./EIE and Mr. N. Sivaramakrishnan, AP/EIE got 'Research Incentive awards of BSAU'' on 3.9.15 for academic year 2014-15

- Dr. U. Sabura Banu, Prof. /EIE received award for publication in Book Lecture notes in Electrical Engineering, Springer publications under Research Incentive Scheme for the year 2013-14 held on 31st August 2015.

- Mr. N. Sivaramakrishnan, AP/EIE received best paper award for the paper titled ‘Design of Linear Quadratic controller for Quasi Z source inverter” at the International
Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College held on 20.8.15.

- Ms. G. Anidha, AP(S.G)/EIE received best paper presented award for the paper titled “Analyzing choroidal Neovascularization through characterization of changes in posterior eye segment” at the International Conference on Technical Advances in Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College held on 20.8.15.

- Dr. U. Sabura Banu, Prof./EIE awarded travel fellowship by Centre for International co-operation in Science (CICS) for attending and presenting a research article in an International Conference INTELLISYS 2015 held in London, UK.

- Dr. U. Sabura Banu, Prof./EIE received the Lifetime Membership certification from ISRD : Membership ID: F3140900203 in Fellow category in International Society for Research and Development (ISRD membership), UK.

INDUSTRY / INSTITUTE COLLABORATION:

- Dr. U. Sabura Banu, Prof./EIE and Ms. P.R. Hemavathy, AP(S.G)/EIE visited FLSmith Automation Pvt. Ltd. and discussed the possible areas of collaborations on 30th June 2015.

- Dr. D. Najumnissa Jamal, Prof / EIE, interacted with Prof Hitten Zaveri, Department of Neurology, Yale University, Levin Kuhlmann, Neuroengineering Laboratory, The University of Melbourne and Dr. Lakshmi Narayanan, Royal Children Hospital, Melbourne for possible collaborations.

- Dr. U. Sabura Banu, Prof. /EIE interacted with IDDS participants on 1.8.15 and finalized two collaborative projects
  - Neonatal temperature measurement
  - BMI - Food Nutrition

- Dr. U. Sabura Banu, Prof./EIE visited Festo Controls Pvt Ltd - FESTO Didactic - Global Production Centre - Technology and Engineering Centre along with Dr. V M Periasamy , Vice Chancellor, Dr. S Prince Arockia Doss - Director, International Collaboration, Dr. R Raja Prabu, Dean (Academic Research), Dr. M Murugan, Dean, School of Mechanical Sciences, on 12th June 2015 and had elaborate discussions with Mr.Rashmikant Joshi, MD Festo Controls Pvt. Ltd and with Harish Nachnani, National sales Manager, Didactic.

- An Industry Institute Meet was held on 10.10.15. Executives from the following companies attended the meeting.
  - Mr. R. Jaganathan, Yokogawa India Ltd
  - Mr. Thiru. T, Microtek Instruments
  - Mr. V.Mathiyazhagan, Technip India Limited
  - Mr. Ramalingam, Infrared Instruments and Services
  - Mr. Chandru, R&D Instrument Services
  - Mr. Vishnuvardhan. J, Trend Automation
Dr. U. Sabura Banu, Professor visited Universities and Innovation Centres in United Kingdom during 10th November to 15th November 2015. She visited many colleges, i.e., King's College, Trinity College, St. John's college and labs such as Watson's and Crick's Lab, Mathematical bridge, Cavendish Lab, in Cambridge University on 11th November 2015 and visited the research facilities in the Biotechnology Unit and Chemical Engineering Department. She visited Sussex Innovation Centre. The centre helps in start-ups by way of mentoring to get-off right start, to get smart decision in selecting the right job and organize workshops/seminars to help them build skills. She then visited the Impact Hub Westminster on 13th November 2015, which was established in 2011, a global network housing flexible working spaces for incubators with positive social and environmental impact which provides a platform for the start-ups through collaboration and support. She visited Entrepreneurship Career Centre at London Business School on 14th November 2015.

**SOCIETY ACTIVITIES**

**SEIE Inauguration:**

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

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

**IMPORTANT VISITORS**

- R Joshi Festo MD India; Harish N Nachnanl, FESTO DIDACT, Luis Sa, FESTO, Germany visited B.S. Abdur Rahman University on 27th November 2015.
STEIB MARC from FESTO HQ Germany visited the Process Control lab on 30/11/15.

ANY OTHER INFORMATION

- Dr. U. Sabura Banu, Prof. /EIE visited Buhari Tower and had a meeting with Mr. Habib Anwar, HIVE and co-sponsor of IDDS & our Chairman, Mr. Abdul Rahman Buhari on 1st September 2015.

- Dr. U. Sabura Banu, Prof. /EIE visited the following organization in connection with Self Help Group hand in hand societal needs on 8th September 2015. Had a meeting with Self Help Group.
  
  - Dairy Hub, Wallajabad Branch
  - Crisp Bakery, Kancheepuram
  - HiH HO, Kancheepuram
  - Poongavanam School, Kancheepuram
  - Mudichur Community Waterplant – SWM Project
SCHOOL OF INFRASTRUCTURE

➢ Dept. of Civil Engineering
DEPARTMENT OF CIVIL ENGINEERING
CIVIL ENGINEERING

TRAINING PROGRAMMES OFFERED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

- Two days National Conference on "Sustainable Civil Engineering Technologies & Practices" was organized during April 29 – 30, 2015. Mr. B. Suresh, CEO and Whole Time Director, M/s Mahindra Consulting Engineers Ltd., Chennai inaugurated the conference and delivered a key note address on “Sustainable Infrastructure Development”.
- A 3 day workshop on STAAD PRO and Quantity Take Off in collaboration with CADD Center was organized for the final year B.Tech Civil Engineering Students of the department during 09th, 10th and 14th September 2015 in civil engineering computer laboratory.
- A three day workshop on ANSYS in collaboration with CADD Center was organized during 29th, 30th and 31st October 2015.
- A Three Day Workshop on “ETABS, High-Rise Building Designing and Analysis” in collaboration with SpaceCADD was organized for M.Tech Structural Engineering Students on 5, 6, and 8th February 2016.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Year</th>
<th>Nature of Programme attended by Faculty</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>FDP</td>
<td>Workshop</td>
</tr>
<tr>
<td>1</td>
<td>2015-2016</td>
<td>4</td>
<td>29</td>
</tr>
</tbody>
</table>
Mr. Kaliluthin.A.K, Asst. Prof. attended a workshop on “Quality Assurance in Academic and Sponsored Research”, on 7th March 2015 at B.S.Abdur Rahman University, Chennai.


Ms. Ayisha Siddiqua.M, Asst Prof and Mr. Ibrahim.Y, Asst Prof attended a workshop on “Waste to Wealth” organized by IGBC on 7th August 2015.

Mr. Kaliluthin.A.K Asst. Prof. attended a workshop on “Building Estimation and Structural Design” on 7th September 2015 conducted by CADD Centre at B.S.Abdur Rahman University, Chennai.

Dr.Vandhana Devi .V (Associate Professor), and Mr.Kaliluthin.A.K (Assistant Professor), attended an One day Workshop on "Modern Construction Practices and Reuse Technology" at Auroville in Pondicherry on 10th September 2015.

Mrs.Nisha Khanam (Asst.Prof), and Mr.Ibrahim.Y (Asst.Prof), attended an one day Workshop on "Modern Construction Practices and Reuse Technology" at Auroville in Pondicherry on 12th September 2015.

Ms. Ayisha Siddiqua.M, Asst Prof and Mr. Ibrahim.Y, Asst Prof attended a workshop on “Instrumental Methods of Analysis” at SSN College of Engineering on 22nd September 2015.

Mr. Maharajan.N attended the 'INSDAG Civil Award - 2015' held at Kolkata during September 2015

Mrs.Meenambigai @ Deepika.S, Asst Prof has attended a one day Workshop on "Mobility Safety" conducted by Department of Automobile Engineering on 08th september 2015 at B.S.Abdur Rahman University, Chennai.

Mr. Shafeer Ahamed.S attended one day workshop on “ETABS, High-Rise Building Designing and Analysis” on 22nd September, 2015.


Dr. Haji Sheik Mohammed.M.S, (Prof) attended Entrepreneurship Conference TiECON on 31.10.15 organized by TiECON, Chennai at ITC Grand Chola, Chennai.

Dr. Haji Sheik Mohammed.M.S, (Prof) attended Doctoral Course on Advanced Concrete Technology RILEM-ICI during 29.11.15 – 04.12.15 organized by Department of Civil Engineering, IIT, Madras.

Ms.Booma .S, Mr. Mohammed Shanawaz .D and Mr. Maharajan.N attended a two day workshop on creative thinking from 19/01/2016 and 20/01/2016 at B.S.Abdur Rahman University
Mr. Shafeer Ahamed.S, Asst Prof, Ms. Hemalatha.C, Asst Prof, Ms. Shanmuga Priya.P.M, Asst Prof and Ms. Deepika @ Meenambigai.S., Asst Prof attended a "TWO WEEK ISTE STTP on "Introduction To Structural Engineering" from 4th January 2016 to 9th January 2016 conducted by IIT Kharagpur, NMEICT (MHRD, Government of India sponsored).

Dr. Yogeswari.K, and Dr. Vandhana Devi.V (Associate Professors), Mrs. Nisha Khanam, Dr. Suriya.S, Mrs. Kanmani.K, Mrs. Roopa.V, Mrs. Booma.S, Mrs. Shanmuga Priya.P.M (Assistant Professors), participated in one day workshop on "Gift Yourself" held on 18th January 2016 organized by Women Empowerment Cell, at B.S. Abdur Rahman University.

Mr. Mohammed Shanawaz.D and Mr. Maharajan.N participated in the ICTACT DIGITAL YOUTH SUMMIT 2016 held on 30th Jan organized by ICTACT at B.S. Abdur Rahman University.

Mr. Mohamed Shanavaz.D attended a Winter School on “Urban Air Pollution and Health Risk “on 11th February 2016 at IIT Chennai.

Mrs. Nisha Khanam (Asst.Prof) participated in the 1st Indian International Conference on " Air Quality Management (IICAQM) -2016" organized by IIT Madras and Helmholtz Centre for Environmental Research, Leipzig from 15th - 16th February, 2016.

Dr. Yogeswari.K, Asso. Prof, Dr. Vandhana Devi.V, Asso. Prof, and Mrs. Nisha Khanam, Asst.Prof attended a National Conference on “Women and Mental Health: Psychosocial Perspective” on 17th and 18th February 2016 sponsored by ICMR.

Mani Mozhi.R attended an one day workshop on “Lesson learnt from failures and sustainability of structures” at Vel University on 24th February 2016.

Ms. Faleelama.S attended a One day workshop on STAADPRO and GIS at IIT Madras on 5th February 2016.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>13</td>
<td>-</td>
<td>18</td>
<td>71</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

INTERNATIONAL JOURNAL:


INTERNATIONAL CONFERENCE:


NATIONAL CONFERENCE


Vandhana Devi .V, Saurav Sadhukan and Vishnu Priya “A study on the management of rubber waste using bioremediation technique” Proceedings of
the National Conference on Advancements and Challenges in Civil Engineering, Valliammai Engineering College, Chennai pp 64-68, April 23, 2015


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

<table>
<thead>
<tr>
<th>RANGE</th>
<th>AVERAGE</th>
<th>h-INDEX</th>
<th>NO. IN SCOPUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.17</td>
<td>0.17</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
</table>

**SPONSORED RESEARCH (ONGOING / APPLIED)**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Revathy.J</td>
<td>DST- SERB</td>
<td>Seismic Retrofitting of Prestressed Concrete Beams Externally Bonded with Fibre Reinforced Polymer Composites.</td>
<td>17.04 Lakh</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Gajalakshmi P (P.I), Dr. Revathy.J (Co.I)</td>
<td>Ministry of Earth Sciences.</td>
<td>Seismic Performance of FRP Confined Concrete filled steel tubular Columns</td>
<td>29.10 Lakh</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Gajalakshmi P &amp; Dr. Revathy.J</td>
<td>CSIR, New Delhi</td>
<td>Seismic Performance of FRP Pultruded Beam-Column Joint.</td>
<td>11 Lakhs</td>
<td>Applied on 16 September 2015</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Revathy.J &amp; Dr. Gajalakshmi P</td>
<td>BRNS, Mumbai</td>
<td>Dynamic Assessment of corrosion damaged RC beams retrofitted with fibre reinforced composites.</td>
<td>34 Lakhs</td>
<td>Applied on 9 September 2015</td>
</tr>
</tbody>
</table>

**SPONSORED WORKSHOP (SANCTIONED/ APPLIED)**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Convenor</th>
<th>Funding Agencies</th>
<th>Workshop Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Haji Sheik Mohammed.M.S and</td>
<td>SERB</td>
<td>Impact of Climate Change on Durability of RCC</td>
<td>50,000</td>
<td>Sanctioned Feb 2016</td>
</tr>
</tbody>
</table>
Dr. Haji Sheik Mohammed .M.S, Dr. Rasul Mohideen.E, Dr. Gajalakshmi.P and Dr. Yogeswari.K, Mr. Kaliluthin.A.K have received awards under "Research Incentive Scheme of B.S.A.U" for their Research Publications.

INTERNATIONAL VISIT (ACADEMIC RESEARCH)

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

ACHIEVEMENTS OF DEPARTMENT

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

ACHIEVEMENTS OF STAFF

Dr. Yogeswari.K, Asso. Prof obtained her Ph.D degree from B.S Abdur Rahman University on Oct 2015 for her research on “Sustainable Transportation Planning for Livable Area (Tambaram) Using Fuzzy Aided System.

Dr. Haji Sheik Mohammed.M,S, Dr Rasul Mohideen.E, Dr.Gajalakshmi.P and Dr.Yogeswari.K, Mr. Kaliluthin.A.K have received awards under “ Research Incentive Scheme of B.S.A.U” for their Research Publications.

LECTURES DELIVERED BY FACULTY

Dr. Haji Sheik Mohammed .M.S delivered a Lecture on “Recent Trends In Corrosion Protection of Steel Rebars Used In Concrete" at The Two Day National Symposium on Combating Corrosion during 3 – 4th March 2015, VIT University, Chennai Campus.

Dr. Vasanthi .P delivered a Lecture on “Soil Pollution and its effects on Ground Water " at the National Workshop on Pollution and its monitoring at Sri Sankara University, Kancheepuram on 31.03.2015.

Dr. Molykutty.M.V delivered a Lecture on “Thermal Performance of Buildings " at the National Conference on Sustainable Civil Engineering Technologies and Practices Conducted by Civil Engg Department during April 2015
Dr. Revathy J delivered a lecture on “Retrofitting of Structures Using Fibre Reinforced Polymer Composites” on 18.09.2015 at the Research Forum at BSAU.


ACHIEVEMENTS OF STUDENTS

- Mr. Mohamed Sultan M & Mr. Mohammed Arshed M, III year B.Tech. Civil Engineering students presented their innovative concept “Low Cost Cooler” in the finals for PALS4 Innovation Challenge Competition on 29th March, 2015 and finished in the 4th position by competing with premier academic Institutions across Tamilnadu.

- Mr. Mohammed Rayyan N, Mr. Mohammed Azlan Jan, Mr. Mohammed Ismail Afraz and Mr. Manikandan C of IIIrd year B.Tech. Civil Engineering participated in the finale of India’s Biggest Civil Bridge Design Contest (IBCC 2015) held at IIT, Mumbai and finished in 6th place by competing with 450 teams from all over India, during April 2015.

- Ms. Dyana Joseline, Final year student of M.Tech. Structural Engineering was awarded Half Time Research Assistantship for 4 years with an initial stipend of Rs. 28,000 per month from Indian Institute of Technology, Madras to pursue her Ph.D in the Building Technology and Construction Management Division. (June 2015)

- Ms. Gowalsyaa Manavalan, IIIrd year B.Tech. Civil Engineering student has undergone a summer internship project for a period of 3 months (during May – July 2015) at IIT Madras on the topic “Comparison of sustainability in GFRG Building System and Conventional Building Systems” under the guidance of Prof. A. Meher Prasad, Professor and Head, Department of Civil Engineering IIT Madras.

- Mr. MAGESHRAM - M. Tech - Final Yr, Mohammed Rayyan - B. Tech - Final Yr, Suman Naaz Sheikh - B. Tech - Final Yr, Sowmiya Sadhana - B. Tech - Final Yr have been shortlisted for the final round of “Design of an Aesthetic and Cost Effective Stadium Roof Structure ” Organised by Institute of Steel Development & Growth (INSDAG) in Kolkata held on September 20 and 21, 2015. Thirteen individuals/groups from different engineering colleges all over India were selected for this competition.

- Ms. S. SANJU, II year - M.Tech (Structural Engineering) (Batch – 2014-16) is shortlisted for a grant-in-aid of Rs.60,000/- from the Institution of Engineers, India, (2015-16) (No: RDPG2016036) for project on Application of nano materials in strength and durability studies for the development of sustainable concrete. Project Supervisor : Dr. J. Revathy

- The students of M.Tech CEPM I Year attended a Seminar on “Lightings” Organised by “School of Architecture”, B.S.Abdur Rahman University on 13th Feb 2016
DEVELOPMENTAL ACTIVITIES

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

INDUSTRY / INSTITUTE COLLABORATION

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

SOCIETY ACTIVITIES

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

EXTENSION ACTIVITY CONDUCTED

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

CONSULTANCY ACTIVITIES CARRIED OUT IN THE DEPARTMENT

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

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

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

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

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

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

ANY OTHER INFORMATION

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

SPECIAL LECTURES BY EMINENT SPEAKERS

- Prof. Arockiasamy.M, Professor & Director (Centre for Infrastructure and Constructed Facilities), Florida Atlantic University, USA delivered a lecture on "Sustainability and Renewable Energy: Path Forward - Future of Engineering Education" on 7th August 2015
- Mr. Ramanathan.V, Deputy General Manager (Technical Services) delivered the key note lecture on “Secrets of Blended cement and types of cement” during the inauguration of Society of Civil Engineers and Student Chapter of ASCE and ICI on 24.08.15.
- Mr. Premkumar Samuel.E, Scientific Officer(Civil) at Indira Gandhi Center of Atomic Research, Kalpakkam delivered a guest lecture on "Construction Practices" during October 2015.
SCHOOL OF MECHANICAL SCIENCES

- Dept. of Mechanical Engineering
- Dept. of Aerospace Engineering
- Dept. of Automobile Engineering
- Dept. of Polymer Engineering
DEPARTMENT OF
MECHANICAL ENGINEERING
MECHANICAL ENGINEERING

PROGRAMMES OFFERED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

<table>
<thead>
<tr>
<th>Conference Conducted</th>
<th>FDP Conducted</th>
<th>Seminars Conducted</th>
<th>Workshops Conducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4</td>
</tr>
</tbody>
</table>

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

<table>
<thead>
<tr>
<th>Conference Attended</th>
<th>FDP Attended</th>
<th>Seminars Attended</th>
<th>Workshops Attended</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>-</td>
<td>-</td>
<td>4</td>
</tr>
</tbody>
</table>

- Mr. A. Arockia Julias and Mr. B. Surya Rajan participated in an International Development Design Summit – Aarogyam during July 2015 jointly organized by IDIN, US Global Development Lab and BSAU.
- Mr. A. Varun kumar participated in three days course on welding technology, Metallurgy held at American Welding Society between 4th and 6th June 2015.
- Mr. G. Ramanjaneyulu and Mr. A. Varun kumar attended an International conference on Advances in Materials, Manufacturing and Applications at NIT Tiruchirapalli during April 9th to 11th 2015.
- Mr. A. Varun kumar and Mr. G. Ramanjaneyulu participated in one-day NRB Research Dissemination workshop on Friction Stir processing of Aluminium alloys and composites organized by IIT Madras 2015.
• Mr. N. Ravikumar participated in three days workshop on “Geometric dimensioning and Tolerance” organized by PSG Tech. Coimbatore during 5th to 7th March 2015.
• Mr.D.Pradeep Kumar, Mr.S.Jeavudeen, Mr.N.Subramanian, Mr.P.V.Ranga Rao and Mr.Balasrinivasan One day workshop on Reverse Engineering at VIT Chennai Jan 30, 2016

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>3</td>
<td>1</td>
<td>11</td>
<td>28</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

International Journals

**National Journal**


**International Conference**


**National Conference**


DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

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

SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr.R.Rajendran</td>
<td>UGG DAE CSR</td>
<td>Wear studies of duplex coated steels</td>
<td>Rs 2.53 lakhs per year</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2.</td>
<td>Dr.Beer Mohammed</td>
<td>UGG DAE CSR</td>
<td>The Effect of Al on TiAIN, CrAIN and ZrAIN Coatings using RF powered magnetron sputtering</td>
<td>Three years with an amount of Rs: 2,63,400 per year</td>
<td>Ongoing</td>
</tr>
<tr>
<td>S.No.</td>
<td>Principal and Co-Principal Investigators</td>
<td>Funding Agencies</td>
<td>Project Title</td>
<td>Amount (Rs)</td>
<td>Status</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------</td>
<td>------------------</td>
<td>---------------</td>
<td>-------------</td>
<td>--------</td>
</tr>
<tr>
<td>3.</td>
<td>Dr.R.Rajendran</td>
<td>DST-IC-IMPACTS</td>
<td>High-performance hot-dipping aluminized steel for the resources industry (oil sands, oil and gas) and automotive industry</td>
<td>Rs 37 lakhs</td>
<td>Applied</td>
</tr>
<tr>
<td>4.</td>
<td>Mr.B.SuryaRajan and his team</td>
<td>IDIN</td>
<td>New born temperature Measuring &amp; Monitoring project (BABY TEMPIT)</td>
<td>$1594 (Rs.1,05,000)</td>
<td>Active</td>
</tr>
</tbody>
</table>

BOOK PUBLISHED


INTERNATIONAL VISIT (ACADEMIC RESEARCH)

1. Mr. Rashmikant Joshi, Managing Director, Mr. Harish Nachnani, National Sales Manager and Mr. Luis Sa, Dipl.–Ing., Automation Systems, Festo Controls Private Limited, Bangalore, visited BSAU on 27th November, 2015.

2. Mr. Daniel Morris Hancock, President, DMH Strategic Consulting LLC, Society of Automotive Engineers – SAE International Board of Directors visited and inaugurated SAEINDIA Knowledge Round Table – KRT at BSAU on 20th January, 2016.

ACHIEVEMENTS OF STAFF

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

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

INDUSTRY / INSTITUTE COLLABORATION

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

SOCIETY ACTIVITIES

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

IMPORTANT VISITORS

International Guest Lectures:

1. Dr. Peter C Brooks, Associate Professor in Mechanical Engineering, University of Leeds, UK visited BSAU on 11th September, 2015 and delivered lecture on “Clutch Characterization of Formula One Vehicles” to the Mechanical Engineering and Automobile Engineering Students of BSAU.
2. Dr. Hongwei Zhang, Principal Lecturer in Control Systems Subject Group Leader – Electrical, Electronic and Control Engineering, Department of Engineering and Mathematics, Sheffield Hallam University, UK, visited BSAU on 04th February, 2016 and delivered a special lecture on “Automation, Robotics and Control” to the Mechanical Engineering students.

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

ANY OTHER INFORMATION

International Events:

1. A presentation on “Higher Education in German Universities” was given by Mohammed Amir Y, Master of Science in Renewable Energy, Engineering and Management, University of Freiburg, Germany, and R. Tejas Vijay, Master of Science in Production and Logistics, Mechanical Engineering Department, Universitat Duisburg Essen on 29th September, 2015 to the Mechanical Engineering Students.

2. Mechanical Engineering students participated in the Netherlands Higher Education Presentation organized by Netherlands organization for International Cooperation in Higher Education at our University on 15th February, 2016 by Mrs. Sudha Sudeep, Senior Education Promotion Officer, NUFFIC – Netherlands Education Support Office, India.

3. Mechanical Engineering students participated in the DAAD Presentation organized by DAAD – German Academic Exchange Service Information Centre at our University on 09th March, 2016. Mrs. Padmavathi Chandramouli, Information and Office Manager, DAAD Information Centre Chennai, addressed the students.
DEPARTMENT OF AEROSPACE ENGINEERING
AEROSPACE ENGINEERING

TRAINING PROGRAMME CONDUCTED:

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

PARENTS TEACHERS MEET CONDUCTED:

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED:

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

SPONSORED RESEARCH (ONGOING / APPLIED):

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. P.N. Kadiresh</td>
<td>AR &amp; DB</td>
<td>Development of Hybrid Rocket Motor Facility</td>
<td>10,00,000/-</td>
<td>Approval awaited.</td>
</tr>
</tbody>
</table>

ACHIEVEMENTS OF STAFF:

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

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

(Batch : 2011 – 2015)

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

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

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

<table>
<thead>
<tr>
<th>S. No</th>
<th>RRN</th>
<th>Name of the Students</th>
<th>Name of the company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>120091601003</td>
<td>Arjun. G</td>
<td>Infosys &amp; Cognizant</td>
</tr>
<tr>
<td>2</td>
<td>120091601010</td>
<td>John Peter Raj. A</td>
<td>Cognizant</td>
</tr>
<tr>
<td>3</td>
<td>120091601011</td>
<td>Kirithika. H</td>
<td>Infosys</td>
</tr>
<tr>
<td>4</td>
<td>120091601015</td>
<td>Mohammed Dastagir Shaheed. M</td>
<td>Cognizant</td>
</tr>
<tr>
<td>5</td>
<td>120091601027</td>
<td>Sumaiya Fathima. S.A</td>
<td>Infosys &amp; Cognizant</td>
</tr>
</tbody>
</table>

Ms. Sumaiya Fathima has been awarded the ‘best outgoing student award’ for the academic year 2015-2016.
INDUSTRY / INSTITUTE COLLABORATION :

- Our University organized an Industry-Institute meet on October 10, 2015. Mr. Shakawat Ali, Director, Rathna Machines, Pvt. Ltd. – Delhi and Mr. G. Dhushyand, Partner, Aurum Toolings & Pressings, Tiruvallur, participated and discussed about possible cooperation with the Department.

- Third year Aeronautical Engineering students (Batch: 2012) visited Satish Dawan Space Centre, ISRO, Sriharikota, on 09.09, 2015.

SOCIETY ACTIVITIES :

- Guest lecture on ‘Software Architecture in Aviation Industry’ was delivered by Mr. Shawakat Ali, Director, Rathna Machines Pvt. Ltd. – Delhi on October, 10, 2015.

- Guest lecture on ‘Aircraft Maintenance Practices’ was delivered by Wg.Cdr (Retd.) Showkat Ali K. on October 27, 2015.
DEPARTMENT OF AUTOMOBILE ENGINEERING
AUTOMOBILE ENGINEERING

WORKSHOP ORGANIZED:

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

GUEST LECTURE CONDUCTED

- Guest lecture on Quality system in industry on 26th March 2015. Mr. V.P. Ranganathan, Engineering leader (Special Projects) from Simpson.

- Special lecture Automotive Chassis delivered to Automobile students by Dr. M. Subramanian, Professor & Head on 5th March 2015.

- Dr. M. Subramanian, Professor & Head, presented a lecture on Centre of Gravity delivered to School students Summer internship program school students organized by School of physical & chemical science on 4th May 2015.

- Crescent Society of Automobile Engineers of Department of Automobile Engineering organized a special lecture by Dr. Peter Brooks – School of Mechanical Sciences – University of Leeds UK to B. Tech Automobile and Mechanical Engineering students on 11th September 2015.
PARENTS TEACHERS MEETING CONDUCTED

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

SOCIETY ACTIVITIES

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED:

- Automobile all faculty members attended the faculty training program for a period of 4 days from 13th July to 16th July 2015.

- Mr. S. Karthikeyan has attended the 2 days workshop “Workshop on Practical Aspects of CFD” in School of Aeronautical sciences at Hindustan University on 6th and 7th February 2015.

- Mr. N. Rajmohan and Mr. S. Karthikeyan are two faculty members has attended the one day workshop on “Quality Assurance in Academic and Sponsored Research” at conducted in Dean (Academic Research) at B.S.A.U on 7th March 2015.
### PAPERS PUBLISHED/ PRESENTED IN JOURNALS &

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>2</td>
<td>-</td>
<td>3</td>
<td>5</td>
</tr>
</tbody>
</table>

#### International Journal

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

<table>
<thead>
<tr>
<th>S. No</th>
<th>Authors as appeared in the presentation</th>
<th>Presentation Title</th>
<th>Conference Title</th>
<th>Page Nos.</th>
<th>Month &amp; Year of Proceedings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>P.D. Jeyakumar, Department of Mechanical Engineering, BSAU., Prabu Krishnasamy, Department of Automobile Engineering, BSAU., Dr.G. Devaradjane, Department of Automobile engineering, MIT, Anna University,</td>
<td>Crashworthiness Investigation of Chassis type intercity bus body structure</td>
<td>International conference</td>
<td>92-96</td>
<td>15th &amp; 16th October 2015</td>
</tr>
</tbody>
</table>

2. H. Siddhi Jailani, Department of Mechanical Engineering, BSAU. Mr. C.K. Arvinda Pandian, Department of Automobile Engineering, BSAU

Investigation and development of polymer composite incorporated natural fabrics: Just and linen

Central Institute of Plastics Engineering and Technology

105

14th February 2016

SPECIAL RESEARCH LABORATORIES CREATED:

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

ACHIEVEMENTS OF STUDENTS:

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

(Batch : 2011 – 2015)

<table>
<thead>
<tr>
<th>S. No</th>
<th>RRN</th>
<th>Name of the Students</th>
<th>Name of the company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>110121101011</td>
<td>Mohammed Mutahar.K</td>
<td>Infosys</td>
</tr>
<tr>
<td>2</td>
<td>110121101003</td>
<td>Ahmed Thaha.A</td>
<td>L &amp; T</td>
</tr>
</tbody>
</table>
Current final year students  (Batch: 2012 – 2016)

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

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

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

- Final year B. Tech Automobile student (Batch: 2012 - 2016) participated and win the Positions in the 5th South India Yogasana Championship-2015 organized by Padmam Yoga and Natural living development Trust Co-organized by Tamilnadu sports Yogasana Association held at Madipakkam, Chennai on 26th July 2015.
Mr. Ahmed Thaha, Final year B. Tech Automobile Engineering (Batch: 2011–2015) received a Best Student Award.


Automobile students B. Tech Final year students (Batch: 2012-2016) K.S. Krishna Preethi, A.C Karthikeyan., A. Kithir Kareeb Navaz, S. Santhosh., participated and secured 26th rank in all over India in the main BAJA SAEINDIA 2015, organized by SAEINDIA from 16.02.2016 to 21.02.2016 (for 6 days) at Pithambur, Indore.


Final year student Mohammed Irfannuddin (Batch: 2012-2016) has participated in dynamic round of Asia’s largest solar event in Electric Solar vehicle championship 2014-2015 organized by Imperial society of Innovative Engineers from 17th March 2015 to 19th March 2015.

DEVELOPMENTAL ACTIVITIES :

Laboratory Development

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

INDUSTRY / INSTITUTE COLLABORATION :

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

- **Industrail visit**

  - **Final year and second year Automobile Engineering students** (Batch: 2011 & 2013) visited Integral Coach Factory, Perambur on 8th April 2015

  - **Third year Automobile Engineering 25 students** (2012 Batch) and two faculty members visited Delphi TVS on 26th March 2015.

  - **Industrial visit to Shabeel Honda** on 4th September 2015 for Automobile Engineering Third year students was organized.

  - **Automobile Second year** (Batch: 2014 -2018) students & 2 faculty members industry visit to Ashok Leyland, Ennore on 8th October 2015.
SOCIETY ACTIVITIES:

- Summer internship program for school students organized by School of physical & chemical science in B. S. Abdur Rahman University during 4th May to 18th May 2015. Dr. M. Subramanian, Professor & Head, Department of Automobile Engineering delivered a guest lecture on Centre of Gravity to 10th standard School students on 4th May 2015.

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

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

IMPORTANT VISITORS

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

ANY OTHER INFORMATION

Special Lecture delivered:

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

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

- Mrs. R. Daulath Banu attended a workshop on “Current Developments in Physics and its Applications” organized by Department of Physics of B.S.A University on 19th March, 2015.

- Following faculty members attended “National level workshop on Analytical Techniques for Research in Chemistry – 2015” at B.S.A University on 21st & 22nd April 2015.
  - Mr. Basantha Kumar Behera
  - Mr. D. Muralimanohar
  - Mrs. R. Daulath Banu
  - Ms. K. P. Sindhu

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

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

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

• Following faculty members attended one day National Conference on "Career Choices of B School Students: Discover the Pride" organized by Crescent Business School at B.S.A University on 6th October, 2015.
  
  • Dr.S.Shamshath Begum
  • Mrs.J.Shahitha Parveen
  • Mrs.S.Vijayarani
  • Mrs.R.Daulath Banu
  • Ms.K.P.Sindhu

• Following faculty members attended one day workshop on “Preparing Technical Teachers for Optimal Classroom Delivery through English Language” at B.S.A University on 28th October, 2015.
  
  • Mr.Basantha Kumar Behera
  • Mr.D.Muralimanohar
  • Mrs.J.Shahitha Parveen
  • Mrs.S.Vijayarani
  • Dr.S.Shamshath Begum
  • Mrs.R.Daulath Banu
  • Ms.K.P.Sindhu

• Mr. Basantha Kumar Behera and Mr. D.Muralimanohar attended one day workshop on “Tiecon Chennai Master Class Programme” organized by B.S.A University on 31st October, 2015.

• Following faculty members attended one day workshop on “Successful Proposal writing for funding Agencies” organized by Centre for Energy Research and Studies and department of Mechanical Engineering of B.S.A University during 12th January, 2016.
  
  • Mrs.J.Shahitha Parveen
  • Mrs.S.Vijayarani
  • Dr.S.Shamshath Begum
  • Ms.K.P.Sindhu

• Mr.Basantha Kumar Behera and Mr. D.Muralimanohar attended two days workshop on “Engineering Design Process” organized by SAE Southern region and department of Mechanical Engineering at B.S.A University during 8th – 9th January, 2016.

• Following faculty members attended one day workshop on “GIFT YOURSELF” organized by Women Empowerment cell at B.S.A University on 18th January, 2016.
  
  • Dr. S.Shamshath Begum
  • Mrs .R.Daulath Banu
  • Mrs. S.Vijayarani
  • Ms.K.P.Sindhu
Dr. S. Shamshath Begum and Mrs. S. Vijayarani attended two days Faculty Development Program on “Creative Thinking” organized by B.S.A University during 20th – 21st January, 2016.

Mr. D. Muralimanohar attended one day workshop on “ICTACT DIGITAL YOUTH SUMMIT 2016” organized by ICTACT of our University on 30th January, 2016.

Dr. S. Shamshath Begum and Mrs. R. Daulath Banu attended one day workshop on “Apple Professional Development” organized by BSA University, Apple iOS APPLICATION Development Centre on 6th February, 2016.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference / Symposium</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>5</td>
<td>-</td>
<td>4</td>
<td>14</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:


SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr.R.Vasanthakumari &amp; R.Daulath Banu</td>
<td>DRDO</td>
<td>Development of Oil Absorbing Polymer Product for Efficient Removal of Oil Spills in Sea Water.</td>
<td>Rs 20.04 lakhs</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2</td>
<td>Dr.R.Vasanthakumari &amp; Mr.D.Muralimanohar</td>
<td>DST</td>
<td>Conducting carbon metal nanocomposite from yard waste (waste leaves) for electrode and capacitor applications.</td>
<td>Rs.53.54 lakhs</td>
<td>Applied</td>
</tr>
</tbody>
</table>

PATENTS (OBTAINED / APPLIED)

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

ACHIEVEMENTS OF STAFF

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

ACHIEVEMENTS OF STUDENTS

Paper Presentation

<table>
<thead>
<tr>
<th>S.No</th>
<th>Author</th>
<th>Paper Title</th>
<th>Name of the conference</th>
<th>Place</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M.Jidhendra Kaleeswar, J.Jerin Savio - IV&lt;sup&gt;th&lt;/sup&gt; Year</td>
<td>Received 1&lt;sup&gt;st&lt;/sup&gt; prize for the paper titled “Comparison of the Effect of Different Types of Flame Retardant incorporated in Flexible Polyurethane Foam ”</td>
<td>National Level Technical Symposium (Poly ERA 2015)</td>
<td>ANNA University, Chennai</td>
<td>13&lt;sup&gt;th&lt;/sup&gt; March, 2015</td>
</tr>
<tr>
<td>No.</td>
<td>Name of the Student</td>
<td>Received Prize for the Paper</td>
<td>Event Details</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>---------------------</td>
<td>------------------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Jidhendra Kaleeswar, Jerin Savio - IVth Year</td>
<td>Received 1st prize for the paper titled “A Scientific Remedy of Assimilating Flame Retardant Characteristics in Flexible Polyurethane Foam”</td>
<td>National Level Technical Symposium (CHEMFLUX 2015)</td>
<td>SRM University, Chennai</td>
<td>21st – 22nd March, 2015</td>
</tr>
<tr>
<td>3</td>
<td>N.Munwar Ahmed and B.Tanveer Ahamed- IInd year</td>
<td>Received 3rd prize for the paper titled “Studies on nylon 6,6:SEBS-g-MA Nanocomposites”</td>
<td>CHEMFLUX’15 Technical Symposium</td>
<td>SRM University, Chennai</td>
<td>23rd – 25th March, 2015</td>
</tr>
<tr>
<td>4</td>
<td>N.Munwar Ahmed and Ashitosh R. Jain- IIIrd year</td>
<td>Received 2nd prize for the paper titled “Development on Mechanical Properties of Recycled Polypropylene Blended with Virgin Polypropylene”</td>
<td>TEPIC’15 National Level Technical Symposium</td>
<td>Department of Plastic Technology, CIPET, Chennai</td>
<td>11th September, 2015</td>
</tr>
<tr>
<td>5</td>
<td>Mohammed Asmathdeen, Mohammed Mohishin and Faizal Ali - IInd year</td>
<td>Received 3rd prize for the paper titled “Improvement of Tribological Properties using Nano Fillers”</td>
<td>TEPIC’15 National Level Technical Symposium</td>
<td>Department of Plastic Technology, CIPET, Chennai</td>
<td>11th September, 2015</td>
</tr>
</tbody>
</table>

**Awards**

1. M.S. Kursheed Hussain and Mohamed Iqlas, IV yr PT, received an award of “Chennai No.1 Blood Donation Team” from Parivu Magazine on 23rd May 2015.

2. M.S. Kursheed Hussain and Mohamed Iqlas, IV yr PT, received an award of “Earn Wings” from Parivu Charitable Trust on 23rd May, 2015.

3. M.S. Kursheed Hussain and Mohamed Iqlas, IVth yr PT, received an award of “Blood donation Motivation” in Thanjavur District on 26th December, 2015.

4. M.S. Kursheed Hussain, IVth yr PT, received an appreciation “Voluntary of Blood Donation camp” from Sree Balaji Medical College on 1st October, 2015.
5. M.S. Kursheed Hussain, IVth yr PT, received “Best NGO award” from NGO summit Coimbatore on 12th November, 2015.


7. M.S. Kursheed Hussain, IVth yr PT, received an appreciation of “Spirit of Chennai” from Noble Hospital on 1st January, 2016.

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


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

11. M.S. Kursheed Hussain, Mohamed Iqlas, A. Logesh Kumar, IVth yr PT and N. Munwar, IIIrd yr PE, received an appreciation of Chennai Next on 10th January, 2016.
12. M.S. Kursheed Hussain and Mohamed Iqlas, IVth yr PT, received an appreciation of **Eeram** on 15th January, 2016.

13. M.S. Kursheed Hussain, Mohamed Iqlas, A. Logesh Kumar, IVth yr PT and N. Munwar, IIIrd yr PE, received an appreciation of **“Flood relief work”** from Arappor Iyakkam on January, 2016.

14. M.S. Kursheed Hussain, IVth yr PT, received an award of **Annai Therasa Peace award** in Salem on 14th November, 2015.


**Workshop attended by students**

- **The final year** B.Tech Polymer Technology students attended QEEE (Quality Enhancement in Engineering Education) program in the module **Chemical Reactor Design** of the course Chemical Reaction Engineering delivered by Dr.K.Krishnaiah, IIT Madras on October, 2015.

- **The final year** B.Tech Polymer Technology students attended one day National conference on **"Career Choices of B School Students: Discover the Pride"** held on 6th October, 2015.

- **The Third year** B.Tech Polymer Engineering students attended three days QEEE (Quality Enhancement in Engineering Education) program in the module **Fundamental Concepts in Fluid Mechanics** of the course Fluid Mechanics delivered by Dr.Suman Chakraborty – IITKGP, on 16th - 18th February, 2016.
The following B.Tech Polymer Engineering students attended one day workshop on “ICTACT DIGITAL YOUTH SUMMIT 2016” organized by ICTACT at B.S.A University held on 1st February, 2016.

- P.S.Ramanathan – IIrd Year.

The following Ist Year B.Tech Polymer Engineering students attended one day Colloquium on “Emerging Theories and Applications in English Literature and Language Teaching Research” organized by the Department of English of B.S.A University held on 13th February, 2016.

- S. Mohammed Shinaz
- Mohammed Thaseen Ahmed
- M.S. Harishkumar
- Azeez Taher

Students Research Activity

- Mrs.N.Jayachitra had submitted the thesis titled “Studies on Development and Characterization of Polypropylene Based Biocomposites” and completed her Ph.D examination for the award of Doctor of Philosophy in Polymer Engineering on 5th October, 2015 at B.S.A University under the guidance of Dr. R. Vasanthakumari, Director, Polymer Nanotechnology Centre, B.S.A University.

- Ms.S.Shamshath Begum had submitted the thesis titled “Studies on Decolourisation of Tannery Dye Wastewater” and completed her Ph.D examination for the award of Doctor of Philosophy in Faculty of Technology, Anna University, Chennai on 18th August, 2015.

- Mr. M. Dhakshnamoorthy had submitted the thesis titled “Studies on Carbon Nanotube and Graphene Oxide Reinforced Polyimide Electrospun Nanofiber Composites” and completed his Ph.D Viva-voce examination for the award of Doctor of Philosophy in Polymer Engineering on 10th February, 2016 at B.S.A University under the guidance of Dr. R. Vasanthakumari, Director, Polymer Nanotechnology Centre, B.S.A University.

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

IMPORTANT VISITORS

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

ANY OTHER INFORMATION

1) Special Lectures

Special Lectures Delivered by Guest

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

Special Lectures Delivered by Faculty

- Dr.R.Vasanthakumari delivered a lecture on “Instrumentation for Identification of dispersed nano and sub-micro particles using light scattering technique” in the International Conference APM 2015 at IISC Bangalore during 19 -20 Feb 2015.

- Dr.R.Vasanthakumari Director, Polymer Nanotechnology Centre, B.S.A University delivered a lecture on “Electrospun High Temperature Resistant Polyimide Nanocomposite Fibres” at University of California, Davis on 31st July, 2015.

- Dr.R.Vasanthakumari Director, Polymer Nanotechnology Centre, B.S.A University delivered a lecture on “Studies on Silver and Gold Nanoparticles Synthesized from Bauhinia Tomentosa Linn Leaves Extract and their Efficacy in Sustained Release for Antimicrobial and Anticancer Activity” at CIPET, Ahmadabad on 13th February, 2016.
### 2) Conference Presentations

<table>
<thead>
<tr>
<th>S.No</th>
<th>Author</th>
<th>Paper Title</th>
<th>Name of the Conference</th>
<th>Place</th>
<th>Date</th>
</tr>
</thead>
</table>

### 3) Industrial Training for Staffs

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

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Year</th>
<th>Name of the Industry</th>
<th>Date of visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Third &amp; Final</td>
<td>Packaging India Ltd, Pondicherry</td>
<td>25.03.15</td>
</tr>
<tr>
<td>2.</td>
<td>Second &amp; Third</td>
<td>Formulated Polymers, Chennai</td>
<td>09.04.15</td>
</tr>
<tr>
<td>3.</td>
<td>Third</td>
<td>Pallavaram Tanners Industrial Effluent Treatment Company</td>
<td>30.10.15</td>
</tr>
</tbody>
</table>

**Industrial Visits to Packaging India Ltd, Pondicherry**

**Industrial Visits to Formulated Polymers, Chennai**

**Industrial Visits to Pallavaram Tanners Industrial Effluent Treatment Company**
5) Campus Placement Record

- Mr. Shankar Rajendra Pillay, final year B.Tech. student has been placed in M/s. Amara Raja Battery Limited, Tirupati.

- Mr. N.R. Sudharsan final year B.Tech. student has been placed in M/s. Haritha Feherar Ltd, Hosur.

- Mr. M. Manoj Kumar, final year B.Tech. student has been placed in M/s. LEITWIND Shriram Manufacturing, Chennai.

- Ms. Noor Zara Faheema, final year B.Tech. student has been placed in M/s. Sundaram Auto Components Ltd., Hosur.

- Mr. P. Thilagarajan, final year B.Tech. student has been placed in M/s. Haritha Feherar Ltd, Hosur.
CRESCEENT SCHOOL OF ARCHITECTURE
Crescent School of Architecture

Training Programmes Offered:

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

Conferences / FDP / Seminars / Workshops Conducted:

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

Guest Lecture Organized:

- Guest Lecture & Interactive session for the Final year students of Architecture on the topic entitled “A Global Perspective on Contemporary Indian"by September 7th 2015 by Dr. Pushpa Arabindoo and Ar. Gilles Delage.
- Guest Lecture & Interactive session for the Final year students of Architecture on the topic entitled “Sustainability, Housing, Urban Development” on October 15th, 2015 by Dr. Dr. Akhtar Badshah.
- Guest Lectures on
  - “Contemporary Indian Architecture & Global Perspective” by Dr. Pushpa Arabindoo & Ar. Gilles Delage
  - “Sustainability, Housing & Urban Development” by Dr. Akhtar Badusha
  - “Let’s Play” by Ar. Martina Maria Spies
  - “All Scale matter – Reimagining our Urban Environments” by Ar. Biju Kuriakose
o “Architectural works” by Ar. Murali Murugan
o “Lighting Design aspects” by Ar. Amardeep Dugar
o “Facilities management for Architects” by Mr. Arul Jothi Singaram
o “Vernacular Architecture” by Dr. Benny Kuriakose.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED:

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

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES:

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>2</td>
</tr>
</tbody>
</table>

- Ar. S.M. Thilakavathi has published a paper on the topic “Role of Public Heritage in shaping the Urban landscape of Chennai, then Madras” in the Journal of Architecture (ISSN: 2249 9326), Dec 2015

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

<table>
<thead>
<tr>
<th>S.No</th>
<th>Author</th>
<th>Paper Title</th>
<th>Name of the Journal/Vol/Page no./date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Assistant Professor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Assistant Professor)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ACHIEVEMENTS OF STAFF:

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

ACHIEVEMENTS OF STUDENTS:

- Final year students of CSA had won the Best Studio Award ‘Transparence 2015’, conducted by Saint Gobain & Ethos India, which is being widely participated by the students of Many Architectural Institutes.

- Third year student, has bagged second prize in the sketching competition conducted by School of Architecture & Planning, Anna University.

DEVELOPMENTAL ACTIVITIES:

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

INDUSTRY / INSTITUTE COLLABORATION:

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

EXTENSION ACTIVITY CONDUCTED:

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

- Organized a seven days workshop on “Research Methodology and Data Analysis Using SPSS and AMOS on 4th- 10th May 2015 at Crescent Business School, B.S. Abdur Rahman University, Vandalur.
- Conducted 3 days faculty development program on “Implementing outcome based teaching, learning” in College of Engineering Trivandrum, Kerala from 16th-18th June 2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

1. Prof. Chandrika Srinivas, Prof. S.Panboli, Dr. SKG Ganesh attended a National workshop on “Action research programmes essential in social science and business studies” organized by the Department of Business Administration, Sri MALOLAM College of Arts and Science, Madurantakam on 18th March 2015
3. Dr. S.K.G Ganesh attended a National workshop on “Data Visualization and its Business Applications” organized by the Department of Management studies, University of Madras in Association with Wilson consulting Private Ltd, on 11th March 2015
4. Dr. S.K.G Ganesh attended a workshop on “Successful Negotiation Skills” organized by Madras Management Association on 4th March 2015
6. Prof. Nirmala Raghavan, Prof. T. Rocky Devi, Prof. J.Hemalatha and Prof. N. Rajapriya attended MMA Cambridge English One day Seminar on "India: a world - class workforce? What's Needed? The Impact of Communication skills on delivering world class services" on 23 April 2015 at Hotel My Fortune, Chennai.
7. Dr.N Anuradha, Dr. S. Panboli and Prof. Chandrika Srinivasan attended a workshop on “Women Academic Managers: Challenges and Approaches, conducted by Women Empowerment cell on 29th April 2015
8. Dr. T. Rangarajan attended two week Faculty development Programme on “Entrepreneurship” sponsored by NSTEDB, Department of Science and Technology, Government of India, New Delhi and organized by PSG- STEP, PSG College of Technology, Coimbatore from 18-29th May 2015.
9. Prof. Chandrika Srinivas attended summer school- Refresher course on Research Methodology in Arts/ Humanities/ Social Sciences from 19th May to 8th June 2015 held by University of Madras- UGC sponsored, Human Resource Development Centre, Chennai.

10. Prof. Charlie Thomas. V, Prof. Hematatha J, Prof. Rajapriya N, Prof. Nirmala Raghavan, Prof. Takhellambam Rocky Devi attended two weeks faculty development program on “teaching and learning” from 29th to 11th July 2015, organized by the Faculty Training Academy at B.S.Abdr Rahamn University, Vandalur.

11. Dr. Anuradha N attended a seminar “Money Management” on 13th July 2015 in BSAU.

12. Dr. Haider Yasmeen, Prof. M V Anuradha, Prof. V. Charlie Thomas, Dr S Panboli, Dr L. Aravindh Kumaran and Dr N. Anuradha attended Apple Professional Development Organised by BSAU Apple iOS Application Development centre by Shefali, Bangalore on 6th February 2016 in BSAU.

13. Prof. V. Charlie Thomas and Dr N. Anuradha attended two day workshop on “Demographic changes and its Challenges: An Actuarial Perspective” organized by the Department of Mathematics and Actuarial Science on 12th and 13th February 2016 in BSAU.

14. Dr. Haider Yasmeen, Prof. M V Anuradha and Dr. N. Anuradha attended guest lecture on “Emergence of Islamic Finance Industry in the Global Financial Sector and its Impact: by Dr Shariq Nisar, Mumbai on 12th January 2016 in BSAU.

15. Dr. Haider Yasmeen, Prof. M V Anuradha and Dr. N. Anuradha attended one day workshop on “Mind Matters- Intro talk on Breath, Body and Mind”, organised by women empowerment cell and sports club on 21st January 2016 in BSAU.

16. Dr. Haider Yasmeen, Prof. M V Anuradha attended lecture on “Entrepreneurship Development” by Dr Pavan Gupta, Seattle USA on 12th January 2016 in BSAU.

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>-</td>
<td>1</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

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


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

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

**SPECIAL RESEARCH LABORATORIES CREATED**

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

**ACHIEVEMENTS OF STAFF**

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

**DEVELOPMENTAL ACTIVITIES**

- Computing facility of the school is expanded

**SOCIETY ACTIVITIES**

- National Conference on “Career choices of B- School students: Discover the pride” on 6th October 2015 in BSAU by Human Resource Development club

**MoUs SIGNED**

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

- Guest lecture on “Ethics and Values in the changing Business Environment” by Mr. Y. Manohar, Former VP/Director- HR, Vizag Steel plant on 12th March 2015.
- Guest lecture on “Managerial skills” as part of MMA chapter by Mr.Joseph Paul on 17th March 2015.
- Guest lecture by Mr.A. Harish, Miles Education, Manager- Business development on 22nd July 2015
- Guest lecture on “Training for placement” by Mr. Peter, Aastral, on 23rd July 2015
- Guest lecture on ‘Investors Awareness Program’ on 14.9.2015 by Mr. Ramesh Shankar, Resource person from SEBI
- Workshop on ‘On-line trading’ on 15.2.2016 by Mr. Ramesh Shankar, Resource person from SEBI
- Guest lecture on Entrepreneurship: some emerging Issues by Mr Venkata Subramanian (IIT Alumnus), Founder, e-farm, on 16th Feb 2016.
- Entrepreneurship Awareness program sponsored by DST-NIMAT from 23rd - 25th July 2015 at BSAU for MBA II years

IMPORTANT VISITORS

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

ANY OTHER INFORMATION

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

- Dept. of Physics
- Dept. of Chemistry
DEPARTMENT OF PHYSICS
CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

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

PAPERS PUBLISHED/PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th></th>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Conference</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>International Conference</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>National Journal</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>International Journal</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>36</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

LIST OF PUBLICATION IN INTERNATIONAL JOURNALS


LIST OF PUBLICATION IN NATIONAL AND INTERNATIONAL CONFERENCE


4. V. Mahalingam, J. Thirumalai, M. Syed Gulam Ambia, R. Krishnan and R. Chandramohan, Photoluminescence of Sm3+ activated Ca0.5Gd(WO4)2 phosphor for


DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

a) RANGE: 0.5 – 3.9  b) AVERAGE - 2.2  c) h-INDEX 11
d) NO. IN SCOPUS 134
### SPONSORED RESEARCH (ONGOING / APPLIED)

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

### BOOK / BOOK CHAPTER PUBLISHED

DEVELOPMENTAL ACTIVITIES

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

EXTENSION ACTIVITY CONDUCTED:

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

IMPORTANT VISITORS

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

ANY OTHER INFORMATION

i) Important photographs of the department activities along with caption

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

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

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

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

**Short term course attended**


**Workshop Attended:**

1. Dr. S. Rani, Prof. of BSAU has participated in science Academics, two days lecture workshop on “Spectroscopy and its application” held on January 27, 2015 at Loyola college, Nungambakkam, Chennai.
2. Dr. J. Herbert Mabel, Ass.Prof(Sr.Gr) has participated in science Academics, two days lecture workshop on “Spectroscopy and its application” held on January 27, 2015 at Loyola college, Nungambakkam, Chennai.
3. Dr. S. Mahasampath Gowri attended “ACS on campus” workshop which was held at University of Madras, Guindy Campus on the 10th Febrary 2015.
4. Dr. D. Easwaramoorthy, Dr. N. Hajarabeevi, Dr. J. Herbert Mabel attended “ACS on campus” workshop organised by Sri Ramachandra university, Porur, Chennai on 11.02.2015.
5. Dr. A. Shajahan and Dr. Revathi Purushothaman have attended two days workshop “Creative Thinking” on 16.06.2015 & 17.06.15 at Institute of Technology, Chennai conducted by ICTACT.
6. Dr. Revathi Purushothaman participated in one day workshop on “Awareness on Intellectual Property Rights” held on 29th August 2014 at BSAU.
7. Dr. Revathi Purushothaman participated in one day workshop on “Mobility Safety” held on 8th September 2015 at BSAU.
8. R.Sasikala, R.Saiharini & Chandru has participated in the training programme on “The state of Art-Analytical Instruments” held on 26th-30th October 2015 at Anna University, Chennai.
9. Dr. D. Easwaramoorthy, Dr. N. Hajarabeevi, Dr. Revathi Purushothaman, Dr. J. Herbert Mabel, Dr. M. Asha Jhonshi, Dr. S. Mahasampath Gowri, Dr. Noor Aman Ahrar Mundari attende one day workshop on “Successful proposal writing for funding agencies” on 12.01.16(Energy and related research areas).
10. Dr. S. K. Rani, Dr. Noor Aman Ahrar Mundari, Dr. J. Herbert Mabel have attended the Women Empowerment Cell on 18th January 2016.
Conferences Attended:

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

Seminars Attended:

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

PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>_</td>
<td>_</td>
<td>1</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>
PAPERS PRESENTED

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td></td>
<td></td>
<td>10</td>
<td>12</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

1. R.Sasikala, Dr.S.Kutti Rani, Dr.D.Easwarmoorthy and Dr.K.Karthikeyan paper accepted in RSC Advances title entitled “Lanthanum loaded CuO nano particles ” Synthesis, Characterisation and recyclable catalyst for the synthesis of 1,4-disubstituted 1,2,3-triazoles and propargylamine in the month of June 2015.

2. G.Sridhar, Dr.I.Mohammed Bilal, Dr.D.Easwarmoorthy, Dr.S.Kutti Rani and K.Solomon paper accepted “Crystal structure of 3,9,9-trimethyl-2,3,3a,4,9,9a-hexahydro-1,H-Cyclopenta (b) quinolin – 4-iium chloride in the journal of crystallographic communication in the month of june 2015.

3. R.Sasikala, Dr.D.Easwarmoorthy, Dr.K.Karthikeyan, Dr.I.Mohammed Bilal and Dr.S.Kutti Rani paper accepted in “Journal of chemicals and pharmaceuticals sciences Title entitled “Oxidative degradation of glycyl-glycine by PMS in the Neutral medium in the month of March 2015.

4. R.Sasikala, Dr.D.Easwarmoorthy, Dr.S.Kutti Rani and I.Mohammed Bilal paper accepted in International journal of chem tech research title entitled “Free Redical Mediated oxidative decarboxylation of L-Proline by peroxomonsulphate in neutral medium-catalytic effect of copper(II) in the month of June 2015.


6. Paramsivam sureshkumar, srinivasalu kutti Rani, Deivanayagam Easwaramoorthy papers published in International journal of chemtech research entitled copper(ii) catalysed oxidative deamination of lysine by peroxomonsulphate.


8. R.Meenakshi, M.Sundar, Dr.S.Kutti Rani, Dr.I.Mohammed Bilal, Dr.D.Easwarmoorthy paper accepted in European Journal of Inorganic Chemistry entitled "Ionic Immobilization of Silicotungstic acid on amine functionalized zirconia a mesoporous catalyst for Esterification Maleic Acid.


DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index

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

SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. S. Mahasampath Gowri</td>
<td>DST-WOS-A</td>
<td>A non-enzymatic enantioselective design in the Wittig reactions and its applications in the total synthesis of caprolactom as potential antineoplastic agents of marine origin</td>
<td>6.24</td>
<td>Ongoing</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. J. Elangovan</td>
<td>DST-SERB</td>
<td>A novel access to indolizidine and quinolizidine alkaloids through stereoselective N-tethered intramolecular cyclopropanion of pyridine</td>
<td>48.70</td>
<td>Ongoing</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. D. Easwaramoorthy, Dr. S. Kutti Rani, Dr. I. Mohammed Bilal</td>
<td>CSIR</td>
<td>Zeozymes as biomimetic catalysts for the treatment of organic pollutants</td>
<td>12.36</td>
<td>Ongoing</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Revathi Purushothaman</td>
<td>DST-SERB</td>
<td>Development of COF/polyimide composites with low dielectric constant for microelectronic applications</td>
<td>23.50</td>
<td>Ongoing</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. J. Elangovan</td>
<td>CSIR</td>
<td>Diasteroselective intramolecular</td>
<td>13.70</td>
<td>Ongoing</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Funding Agency</td>
<td>Description</td>
<td>Amount</td>
<td>Status</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------</td>
<td>----------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>6.</td>
<td>Ms. R. Saai Harini</td>
<td>DST-WOS-A</td>
<td>Cyclopropanation of enol ethers derived from amino acids: a novel access to aza-C-glycosides</td>
<td>10.20</td>
<td>Ongoing</td>
</tr>
<tr>
<td></td>
<td>Dr. D. Easwaramoorthy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Supervisor)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Dr. K. Karthikeyan</td>
<td>DST-SERB Fast Track for Young Scientists</td>
<td>Bismuth titanate quantum dots for photovoltaic application</td>
<td>19.66</td>
<td>Ongoing</td>
</tr>
<tr>
<td>8.</td>
<td>Dr. M. Asha Jhonsi</td>
<td>DST</td>
<td>Applications of gold catalysis for the synthesis of bioactive heterocyclic and natural product mimic</td>
<td>25.00*</td>
<td>Ongoing</td>
</tr>
<tr>
<td>9.</td>
<td>Dr. Noor Aman Ahrar Mundari</td>
<td>DST</td>
<td>Synthesis, characterization and optimization of quantum dots on TiO₂ surface for quantum dot solar cells</td>
<td>23.00*</td>
<td>Ongoing</td>
</tr>
<tr>
<td>10.</td>
<td>Dr. M. Vajjiravel</td>
<td>DST</td>
<td>Development of Graphene-SrTiO₃ based hybrid photocatalytic system for the production of solar fuels</td>
<td>27.60</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>

**BOOK PUBLISHED**

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

**ACHIEVEMENTS OF STAFF**

- **ACHIEVEMENTS OF STUDENTS - Ph.D. Thesis Awarded**
  Ms. S. Chithra (4th December 2015), Ms. Crystal Y Wilson (14th December 2015) and Ms. S. Shanmugakani (21st December 2015) were awarded Ph.D. Degree from Anna University under the Supervision of Dr. D. Easwaramoorthy.
Submitted
Mr. L. Kanniappan submitted his thesis to B.S. Abdur Rahman University under the Supervision of Dr. D. Easwaramoorthy.

DEVELOPMENTAL ACTIVITIES

1. The department has purchased DRS-UV –Schimadzu for Rs.9 Lakhs and Photo reactor-Heber Scientific for Rs.1.5 Lakhs under the DST-SERB project of Dr. Noor Aman Ahrar Mundari.

2. The department has purchased Diode Array Spectrophotometer – Elico for Rs.3 Lakhs under the DST-SERB project of Dr. M. Asha Jhonsi.

3. The department has purchased Tubular Furnace for Rs.1.5 Lakhs.

4. The department has purchased Rotary Evaporator-Rs.4 lakhs, Spin Coating-Rs.1.41 Lakhs, Ultra Sonicator –Rs.1.8 Lakhs, Analytical Balance-Rs.69,300/-, Hot Air Oven-Rs.29,925/- under the DST-SERB project of Dr. Vajjiravel Murugesan.

INDUSTRY / INSTITUTE COLLABORATION

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

SOCIETY ACTIVITIES

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

IMPORTANT VISITORS

1. Dr.M.Easwarmoorthy, Chemistry and Physics of Materials Unit (CPMU), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore gave a Guest Lecture in the topic “Amorphous carbon nano-structure materials for nuclear delivery applications” on 19.09.15 at 2:30pm in Seminar Hall-II of BS Abdur Rahman University.

2. Dr.K.C.Gupta, Professor, Dept. of Chemistry, IIT gave a Guest Lecture in the topic of “Polymer supported Schiff BASE COMPLEXES OF Transition metal on 14.12.15 at 10 am in Seminar Hall-II of BS Abdur Rahman University.

3. Mr. Manish Bhujpal, Manager-Scientific Information gave a scifinder demonstration on 04.03.15 at 12pm in our university.
SCHOOL OF LIFE SCIENCES
SCHOOL OF LIFE SCIENCE

TRAINING PROGRAMMES OFFERED

Internships offered

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

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

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

Summer internship offered in Science for school students

From May 4-22, 2015 B.S.Abdur Rahman University organized free Summer Internship in Science programme for School Students. Out of 30 selected students from various schools, 11 students were done their projects at SLS and the 1st, 2nd and third prizes are bagged by Ms. Santhoshini, Mr. Mothi and Ms. Divya lakshmi respectively.
<table>
<thead>
<tr>
<th>S. No</th>
<th>NAME OF THE STUDENT</th>
<th>NAME OF THE SCHOOL</th>
<th>NAME OF THE SUPERVISOR</th>
<th>TITLE OF THE PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mohamed Sheik Mothi</td>
<td>Alpha Mat.Hr.Sec.School, Sembakkam</td>
<td>Dr. S.Hemalatha</td>
<td>Testing the efficacy of anti diabetic drug to control the pathogenic bacteria causing diabetic foot ulcer.</td>
</tr>
<tr>
<td>2</td>
<td>Divya Lakshmi.K</td>
<td>Sri Vishwa Vidyalaya Hr.Sec.School, Vandalur</td>
<td></td>
<td>Novel method of delivering drugs to control UTI pathogens and testing their efficacy</td>
</tr>
<tr>
<td>3</td>
<td>Athira.P.S</td>
<td>Neelan Mat. School, Guduvancheri.</td>
<td>Dr. Karthikeyan. R</td>
<td>Antibiotic susceptibility assay of commercially available three different antibiotic tablets on human pathogen</td>
</tr>
<tr>
<td>4</td>
<td>Sakthi Priya.M</td>
<td>Neelan Mat. School, Guduvancheri.</td>
<td></td>
<td>Antibiotic susceptibility assay of commercially available antibiotic on human pathogen</td>
</tr>
<tr>
<td>6</td>
<td>Jeevitha.M</td>
<td>Ebenezer Mat.School, New Perungalathur.</td>
<td>Dr. Soumen Bera</td>
<td>Quantification of polyphenols in common food sources.</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Institution</td>
<td>Supervisor</td>
<td>Topic</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------</td>
<td>--------------------------------------</td>
<td>------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>8</td>
<td>Thejal.H</td>
<td>Ebenezer Mat.School, New Perungalathur</td>
<td>Dr. Shazia Jamal</td>
<td>Quantification of Proteins</td>
</tr>
<tr>
<td>9</td>
<td>Raeesah Firdhouse.S</td>
<td>Crescent Girls Mat.Hr.Sec School, Nungambakkam</td>
<td>Er. Kavitha Vijayaraghavan</td>
<td>Green Bags to preserve and delay ripening of fruits</td>
</tr>
<tr>
<td>11</td>
<td>Hounandan.R</td>
<td>St. Anne's Mat.Hr.Sec.School, New Perungalathur</td>
<td>Dr. Amrita Roy</td>
<td>Diabetic Food--eat or delete?</td>
</tr>
</tbody>
</table>

**CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED**

**International conference**

The School of Life Sciences has organized an International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (ICDB 2015) on the 2nd and 3rd of March 2015. This Conference focused on Diabetes and the associated complications. The
event focused on Diabetic retinopathy, Diabetic foot ulcer, and Stem cells as a potential tool for diabetes, conventional and alternative medicine for the treatment of Diabetes. This premier event also highlighted the need for the research on the molecular pathways and cellular responses for disease treatment using various treatment modalities. This International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead was funded by Indian Council of Medical Research (ICMR) and Science and Engineering Research Board, Department of Science and Technology, India. The conference has brought together Engineers, Biotechnologists, Biologists, Chemists, Scientists, Industry personal and Medical practitioners to a common platform for a very creative interaction leading to inventive and resourceful ideas and innovative solutions for the various challenging problems in the field of Diabetic research. The response to the call for papers was overwhelming and was presented in the technical sessions. The delegates including renowned speakers from Malaysia and United States and from various states of India participated in the conference.

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

**Seminars Organized**

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

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

Dr. Anant Paradkar, Bradford University, “Pharmaceutical processes: Hot Melting extrusion and Injection Moulding”
Dr. Louise Freeman-Parry, Sheffield Hallam University delivered lecture on “Antimicrobial Properties of Wound Dressings – Bursting Biofilm Bubbles”

Dr. Mukhlesur Rahman, University of East London has delivered seminar on Antibiotics resistance

Dr. Nagamani Bora, The University of Nottingham, has delivered lecture on Functional genomics

---

**Seminar on Malaria - Global Perspective and State of the Research**

Professor Kiaran Kirk, Dean, College of Medicine, Biology & Environment, ANU College of Medicine, Biology and Environment and ANU College of Physical and Mathematical Sciences, Australian National University visited School of Life Sciences and delivered lecture on Malaria - global perspective and state of the research on 27th August 2015.
Seminar on Technopreneurship
Dr. Rajeshwari, Managing Director from Bioklone Biotech private Limited, Chennai delivered talk on Building a business: Path of a technopreneur on 14th August, 2015.

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

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

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

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

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

Workshop on Phytochemical Separations & Analysis
Hands on summer training cum internship programme on Phytochemical Separations & Analysis was conducted in association with Spinco Biotech, between 1-19 June 2015.
Workshop on “Multicolor Flowcytometry with the Cytoflex-Flowcytometer” was organized in association with Beckman Coulter, USA on September 2-3, 2015

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Workshops attended

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

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

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

Dr. S. Hemalatha, Mohd Shahanbaj Khan and Tahira Akther, Saroj Kumar Sah have attended Food safety seminar 2015 Shimadzu, Japan in association with export inspection council of India 23, September, 2015.

Conferences attended

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

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>24</td>
<td>0</td>
<td>6</td>
<td>45</td>
</tr>
</tbody>
</table>

DETAILS OF PUBLICATION IN NATIONAL & INTERNATIONAL JOURNALS & CONFERENCES:

Publications in International journals


Publications in International conferences

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


6. Ubaid Rasool and S. Hemalatha, Medicinal Plants and Their Role in Diabetes, International Conference on Recent discoveries of Diabetic biomarkers and challenges ahead (1CDB 2015), 2-3 March 2015, 84.


National Conference presentations

1. S.M. Fazeela Mahaboob Begum, & S. Hemalatha, Seaweed compounds target PI3K pathway to control cancer at Applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Technology on September 2-3, 2015.

2. S. Khan, & S. Hemalatha, Deciphering the Molecular Mechanisms of Action of Panchagavya to cope up with Saline Stress in Oryza sativa L at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.


8. Mohammad Hairaze Ezwandy, &G. Senthil Murugan, & S. Hemalatha, Antibacterial activity and isolation of active compounds from leaf of the traditional african medicinal tree Kigelia africana (lam) benth at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.

9. S. Zakia Fathima,& S. Hemalatha Therapeutic role of ppar agonists for treating type 2 diabetes: A chemoinformatic approach at Applications of Green Technologies for
separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.

10. R. Malini,&S. Hemalatha, Mechanism of action of Traditional Indian herbs in controlling diabetes at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September 2-3, 2015.


13. B. Famidha,&Neesar Ahmed, Cross talk between cancer and immune cell with foxp3 inimmunosuppressive cell at Applications of Green Technologies for separations of Bio-products organized by Department of BiotechnologySree Sastha Institute of Engg. & Technology on September, 2-3, 2015.


Under Graduate Research Presentation:

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

DETAILS OF IMPACT FACTOR OF THE PUBLICATION H-Index


SPONSORED RESEARCH (ONGOING / APPLIED)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Principal and Co-Principal Investigators</th>
<th>Funding Agencies</th>
<th>Project Title</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Soumen Bera</td>
<td>DBT</td>
<td>Antioxidant gene polymorphisms and redox signaling in cancer risk</td>
<td>25,00,000</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Soumen Bera</td>
<td>DST-SERB</td>
<td>GPx-1 gene polymorphisms and mitochondrial ROS signalling in cancer risk</td>
<td>27,69,600</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Neesar Ahmed</td>
<td>DST-SERB</td>
<td>Immunosuppressive Cells within Inflammatory Tumor Microenvironment</td>
<td>24,66,000</td>
</tr>
</tbody>
</table>
### List of Research Projects Submitted by Faculty

<table>
<thead>
<tr>
<th>Name of the organizing secretary</th>
<th>Funding Agency</th>
<th>Amount received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S. Hemalatha</td>
<td>ICMR</td>
<td>40,000</td>
</tr>
<tr>
<td>Dr. S. Hemalatha</td>
<td>DST-SERB</td>
<td>1,00,000</td>
</tr>
</tbody>
</table>

- **Dr. S. Hemalatha**
  - **ICMR-venom research**: Analysis of venom variation among big four Indian snakes: genomic and proteomic approaches. Identification of mechanism of intoxication and protection by Indian botanicals
  - Funding agency: ICMR
  - Amount: 60,000

- **Dr. R. Karthikeyan**
  - **ICMR-venom research**: Stimulation of ROS dependent pro/anti-inflammatory signalling mechanisms by sea snake venom fractions in cancer. Funding agency: ICMR
  - Amount: 49,72,000

- **Dr. M.K. Sangeetha**
  - **ICMR-venom research**: Evaluation of anti-venom plants for common snake venom
  - Amount: 40,00,000

### Conference Funding Received by the Faculty

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

<table>
<thead>
<tr>
<th>Name of the organizing secretary</th>
<th>Funding Agency</th>
<th>Amount received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S. Hemalatha</td>
<td>ICMR</td>
<td>40,000</td>
</tr>
<tr>
<td>Dr. S. Hemalatha</td>
<td>DST-SERB</td>
<td>1,00,000</td>
</tr>
</tbody>
</table>

- **Dr. S. Hemalatha**
  - **ICMR-venom research**: Analysis of venom variation among big four Indian snakes: genomic and proteomic approaches. Identification of mechanism of intoxication and protection by Indian botanicals
  - Funding agency: ICMR
  - Amount: 60,000

- **Dr. R. Karthikeyan**
  - **ICMR-venom research**: Stimulation of ROS dependent pro/anti-inflammatory signalling mechanisms by sea snake venom fractions in cancer. Funding agency: ICMR
  - Amount: 49,72,000

- **Dr. M.K. Sangeetha**
  - **ICMR-venom research**: Evaluation of anti-venom plants for common snake venom
  - Amount: 40,00,000
<table>
<thead>
<tr>
<th>Name of the Research scholar</th>
<th>Name of the guide</th>
<th>Title of the project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mohamed Adil</td>
<td>Dr. Neesar Ahmed</td>
<td>To characterize and investigate the immunosuppressive cells in tumor</td>
</tr>
</tbody>
</table>

**Award of Maulana Azad National Fellowship**

Maulana Azad National Fellowship for Minority Students was sanctioned to research scholar M. Adil.
microenvironment and understand the molecular mechanism that regulate inflammation and tumor progression

**Project proposals submitted by research scholars for fellowships**

Maulana Azad National Fellowship for Minority Students for the Year 2015

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

**SPECIAL RESEARCH LABORATORIES CREATED**

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

**INTERNATIONAL VISIT (ACADEMIC RESEARCH)**

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

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

**ACHIEVEMENTS OF STAFF**

**Dr. M.K. Sangeetha** has been awarded with Post Doctoral Fellowship from December 2015 to December 2016 by the Department of Pathology **Johns Hopkins** School of medicine, USA
Kavitha Vijayaraghavan Investigation on the wound healing activity of an invasive weed-Chromolaena odorata at International Conference ASEAN PHARMNET, December 2-4, 2015 Landmark Bangkok, Thailand

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

ACHIEVEMENTS OF STUDENTS

Research scholars

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

Research presentation award

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

National level sponsored Workshops

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

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

Masters Students

Poster presentation award
B. Famidha won second prize in poster presentation in National conference on applications of Green Technologies for separations of Bio-products organized by Department of Biotechnology Sree Sastha Institute of Engg. & Technology on September 2-3, 2015.
**Internships**
Logesh, I year M.Sc Microbiology student has done one month summer internship at Jubilant Biosys Ltd, Bangalore.

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

**Undergraduates (B.Tech)**

**International Internships**

Mohamed Adil I year B.Tech Biotechnology student from School of Life Sciences has done one month summer internship at Department of Pathology Johns Hopkins School of Medicine, USA from June 1-30, 2015.

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

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

**National Internships**

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

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

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

**SOCIETY ACTIVITIES**

**Inauguration of Biotechnology Student Association**
The Biotechnology Students Association (BSA) was inaugurated on 19th March 2015. Mr. Benin, CEO, Pentagrit was the guest of honour and delivered special lecture on applications of tissue chips.
Inauguration of the activities from February 2016-January 2017

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

INDUSTRY / INSTITUTE COLLABORATION

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

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

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

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

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

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

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

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

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

Fortis Malar Hospital
Dr. Shah Dupesh is interested in collaborating in the areas of clinical embryology (required for fertility centers) and also would like to offer joint diploma course in clinical embryology with SLS-BSAU since there is huge demand for the embryology trained technicians in the fertility centers.
HCG Diagnostics
Dr. Mohammad Nasiruddin is interested in training students in HCG Diagnostics situated in Bangalore and Chennai. He has selected 2 B.Tech students for the summer internship. He has invited the research scholars and faculty to do the research in screening molecules at HCG diagnostics.

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

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

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

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name of the Person &amp; Company</th>
<th>S.No</th>
<th>Name of the Person &amp; Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Rajeshwari Managing Director Bioklone Biotech Pvt Ltd., Chennai.</td>
<td>11</td>
<td>Dr. Saleem Mohamed CEO Xcode Life Sciences, Chennai</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Benin CEO, Scientific Advisor Pentagrit Research, Chennai.</td>
<td>12</td>
<td>Dr. Nirmal Krishnadas Director Jayagen Biologics, Chennai</td>
</tr>
<tr>
<td>3</td>
<td>Mr. A.S. Prashant CEO-Director Protevea Private Ltd., Chennai</td>
<td>13</td>
<td>Ms. Priyaa Co-Founder &amp; Head Operations XINOVEM, Chennai</td>
</tr>
<tr>
<td>4</td>
<td>Ms. Ramya Head HiRise Food Tech Lab, Chennai</td>
<td>14</td>
<td>Dr. Mohammad Nasiruddin Scientist HCG Diagnostics, Bangalore</td>
</tr>
<tr>
<td>5</td>
<td>Dr. P. Gurumoorthi, Head - Mr. Ramar, Quality Manager Aachi masala, Scientific Food Testing Services Pvt. Ltd. Chennai</td>
<td>15</td>
<td>Dr. Florida Tilton, Scientist &amp; Dr. Shalini, Scientist Biozone, Teynampet, Chennai</td>
</tr>
<tr>
<td>6</td>
<td>Mr. N.J. Lakshmi Narayan Build Hr Management Consultants Private Limited, Virugambakkam Chennai</td>
<td>16</td>
<td>Dr. S. Kavitha, Director &amp; Ms. Saranya, Scientist FIB-SOL Life Technologies Pvt. Ltd Chennai</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Savithiri Shivakumar Founder and Executive Director Aaranya Biosciences, Chennai</td>
<td>17</td>
<td>Dr. Ezhilrani Research Scientist BioNeem Tec India Pvt., Ltd, Chennai</td>
</tr>
<tr>
<td>No</td>
<td>Name</td>
<td>Designation</td>
<td>Organization</td>
</tr>
<tr>
<td>----</td>
<td>-------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>8</td>
<td>Dr. S. Babu</td>
<td>Managing Director</td>
<td>Mahathi Biotech Chennai</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Rajanikanth &amp; Mr. K. Ramesh,</td>
<td>Director and Scientist</td>
<td>V ClinBio Labs, Chennai</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Shah Dupesh</td>
<td>Consultant in clinical Embryology,</td>
<td>Fortis Malar Hospital, Chennai</td>
</tr>
<tr>
<td>18</td>
<td>Dr. M. Krishnaraj</td>
<td>Director</td>
<td>Apex Biotechnology, Chennai</td>
</tr>
<tr>
<td>19</td>
<td>Dr. Nagamaniammai</td>
<td>Technical Consultant</td>
<td>Food Technology, Chennai</td>
</tr>
<tr>
<td>20</td>
<td>Dr. Karthikayalu S</td>
<td>CEO and founder</td>
<td>AxioGen Biotech, Chennai</td>
</tr>
</tbody>
</table>

**Discussions and Outcomes:**

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

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

Xinovem is interested in offering M.Sc in herbal informatics or Medinformatics in association with BSAU and it will be tailor made course for the Ayurvedic doctors and for industrial scientists, technical officers (Eg. Zandu and Himalayas. Collaborating with Xinovem) who are having under graduation in pharmacy.

Xinovem is also interested in incubating their sister company in BSAU.

Xinovem is interested in helping with publication of journal medinformatics in association with SLS-BSAU.

2. Pentagrit

After signing MOU, the collaborative research project on tissue based screening technology was initiated.

Collaboration with Pentagrit was further strengthened by this industry institute meet.

A new tissue based screening technology was developed to test the efficacy of bioactive compounds from sea weeds.

Pentagrit is sponsoring the research project for Fazeela, research scholar under the guidance of Dr. S. Hemalatha.

Divij Kinger II year B.Tech student was selected to undergo Entrepreneurship training and International market analysis.

3. Xcode

Dr. Saleem, CEO, Xcode is interested in offering internships and placement for eligible students.

He is also interested in developing research proposals to apply for grants.

Dr. Saleem is interested in organizing joint workshop on Nutrigenomics to students.

He is willing to serve as adjunct faculty member in SLS.

4. Bioklone

Dr. Rajeshwari expressed her interest in offering campus placement for students of SLS.

She is also interested in developing research proposals under industry-academia to apply for funding agency to get grants.

She has accepted to be a board of studies member for the courses offered by SLS.

On request by the students Bioklone will be able to provide paid training programmes and mini projects.

5. Axiogen

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

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

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

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

9. Scientific Food Testing Services P Ltd.
• Dr. P. Gurumoorthiexpressed his interest to be a member in board of studies
  for the review of syllabus and curriculum.
• He is also interested in supporting SLS in starting food testing and willing to
  be a consultant.

10. Hi rise Food Tech laboratories
• Ms.Ramya , CEO, would like to collaborate in the areas of food microbiology.
• She would like to hire 5 microbiology candidates from our university.
• They are also willing to offer training to our students in the areas of food
  microbiology.

• Aneesh Nair, Head – Operations, are willing to sign MOU with our university
  wouldlike to participate in internships, faculty development programme,
  joint R&D proposals,workshops,
  Joint diploma programs,
  Placement assistance programs and
  Joint value added courses.
12. Protivea Private Limited Chennai

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

**Future Plans**

**Biotech consortium**

- By involving all the participating industries from Chennai and BSAU. This will be helpful to organize joint conferences, workshops, exchange of faculty and scientists. All the participated companies are willing to form the Biotechnology consortium.

- Invited talk from the industrial expert once in a month

- Involving the industrial persons in our DC, BOS, IBSC meetings

- Exchange of faculty during summer and winter break for training

- Joint research grants submissions to BIRAC, DBT, CSIR, DST

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

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

**Inauguration of Biotech Industrial Institute Consortium (BIIC)**

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

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

Pentagrit Research
MOU was signed with Pentagrit Research on June 15, 2015 to initiate research collaboration in drug screening utilizing tissue chip technology.
MoU Thassim Beevi Abdul Kader College for Women
MOU was signed with Thassim Beevi Abdul Kader College for Women, Kilakarai on 20th August, 2015 to initiate research collaboration

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

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

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

IMPORTANT VISITORS

1. Professor Kiaran Kirk , Dean, College of Medicine, Biology & Environment , ANU College of Medicine, Biology and Environment and ANU College of Physical and Mathematical Sciences. Australian National University visited School of Life Sciences and delivered lecture and interacted with faculty and research scholars at on 27th August 2015.

2. Dr. Rajeshwari.K CEO Bioklon Biotech pvt.ltd.visited school of Life Sciences on 14th August 2015

3. Mr. Prashant.A.S, CEO, Protivea Pvt.Ltd. visited school of Life Sciences on 14th August 2015

4. Dr. Andrew Drinnan, Associate Professor, University of Melbourne has visited school of Life Sciences on 9th September, 2015 to initiate collaborative research in the area of plant biology.

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

6. Ms. Priya co-founder and Head from Xinovem company visited SLS on 11th October, 2015
7. Academy Team from Life Cell-R&D Unit, LifeCell International (P) Ltd visited SLS for academic projects discussion on November 11, 2015.

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

9. The following members have visited SLS during industry institute meet on 10th October 2015:
   - Dr. Rajeshwari Managing Director Bioklone Biotech Pvt Ltd., Chennai
   - Mr. Benin, CEO, Scientific Advisor, Pentagrit Research, Chennai
   - Mr.A.S. Prashant, CEO-Director, Protivea Private Ltd., Chennai
   - Dr. Saleem Mohamed, CEO, Xcode Life Sciences, Chennai
   - Dr. Nirmal Krishnadas, Director, Jayagen Biologics, 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. Florida Tilton, Scientist & Dr. Shalini, Scientist, Biozone, Teynampet, Chennai
   - Mr. N.J. Lakshmi Narayan Build Hr Management, Consultants Private Limited, Virugambakkam, Chennai
   - Dr. S. Kavitha, Director & Ms. Saranya, Scientist FIB-SOL Life Technologies Pvt. Ltd, Chennai
   - Dr. Savithiri Shivakumar Founder and Executive Director, Aaranya Biosciences, Chennai
   - Dr. Ezhilrani, Research Scientist BioNeem Tec India Pvt., Ltd, Chennai
   - Dr. S. Babu, Managing Director, Mahathi Biotech Chennai
   - Dr. M. Krishnaraj, Director, Apex Biotechnology, Chennai
   - Mr. Rajanikanth & Mr. K. Ramesh, Director and Scientist, V ClinBio Labs, Chennai
   - Dr. Nagamaniammai, Technical Consultant, Food Technology Chennai
   - Dr. Shah Dupesh, Consultant in clinical Embryology, Fortis Malar Hospital, Chennai
   - Dr. Karthikayalu S, CEO and founder, AxioGen Biotech, Chennai

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

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

#### CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of the Seminar/ Conference/ Workshops</th>
<th>Organized by</th>
<th>Month and Year</th>
</tr>
</thead>
</table>

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

**International Conference:**

<table>
<thead>
<tr>
<th>S. No</th>
<th>Department</th>
<th>Name of the Faculty Member</th>
<th>Conference Title</th>
<th>Month and Year of Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>School of Islamic Studies</td>
<td>Dr. P.S. Syed Masood Jamali</td>
<td>Two Day International Arabic Seminar on ‘Significance of differently abled in Arabic pedagogy and literature’, organized by Department of Arabic, University of Madras, Chennai.</td>
<td>3rd &amp; 4th February 2016</td>
</tr>
</tbody>
</table>
5. School of Islamic Studies  Mr. A.M. Ali Ibrahim Jamali  One Day International Conference on ‘Family Life: Issues and Solutions in the perspective of Islam’, organized by School of Islamic Studies, B.S. Abdur Rahman University, Chennai. 23rd February 2016

6. School of Islamic Studies  Mr. A. Abdul Hai Nadwi  One Day International Conference on ‘Family Life: Issues and Solutions in the perspective of Islam’, organized by School of Islamic Studies, B.S. Abdur Rahman University, Chennai. 23rd February 2016

7. School of Islamic Studies  Mr. A. Jamaluddin Jamali  One Day International Conference on ‘Family Life: Issues and Solutions in the perspective of Islam’, organized by School of Islamic Studies, B.S. Abdur Rahman University, Chennai. 23rd February 2016

8. School of Islamic Studies  Mr. S. Abdus Samad Nadwi  One Day International Conference on ‘Family Life: Issues and Solutions in the perspective of Islam’, organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai. 23rd February 2016


National Conference:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Department</th>
<th>Name of the Faculty Member</th>
<th>Conference Title</th>
<th>Month and year of Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>School of Islamic Studies</td>
<td>Mr. A.M. Ali Ibrahim Jamali</td>
<td>Two Day National Conference on ‘Education for Clean and Green India, Organized by Department of Education, Manonmaniam Sundaranar University, Tirunelveli.</td>
<td>13th and 14th March 2015.</td>
</tr>
<tr>
<td>3.</td>
<td>School of Islamic Studies</td>
<td>Mr. S. Abdus Samad Nadwi</td>
<td>One Day National Seminar On ‘Prophetic Guidance For World Peace’, Organized by</td>
<td>16th February</td>
</tr>
<tr>
<td>S. No</td>
<td>Department</td>
<td>Name of the Faculty Member</td>
<td>Workshop Title</td>
<td>Month and Year of Workshop</td>
</tr>
<tr>
<td>-------</td>
<td>------------</td>
<td>----------------------------</td>
<td>----------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>1.</td>
<td>School of Islamic Studies</td>
<td>Mr. A.M. Ali Ibrahim Jamali</td>
<td>One Day workshop on ‘Quality Assurance in Academic and sponsored research’, Organized by Office of Dean (Academic Research), B.S. Abdur Rahman University.</td>
<td>7th March 2015</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>9</td>
<td>1</td>
<td>10</td>
<td>23</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>S.No</th>
<th>Authors as appeared in the publication</th>
<th>Publication on Title</th>
<th>Journal Title</th>
<th>Volume No</th>
<th>Issue No</th>
<th>Page Nos</th>
<th>Month and year of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Author(s)</td>
<td>Title</td>
<td>Conference/Proceedings Details</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-----------</td>
<td>-------</td>
<td>---------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Mr. M. Ahamedullah Al Bukhari</td>
<td>Islamic Marketing Ethics and its application Islamic Banking Industry</td>
<td>Second International Symposium proceedings on ‘Empowering National Development Through religions, languages, culture and society’ by Faculty of Islamic Studies and Arabic Language, South Eastern University of Srilanka, Srilanka.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ISBN: 978-955-627-061-7

Page No: 41-51

4th March 2015
<table>
<thead>
<tr>
<th>No.</th>
<th>Authors</th>
<th>Title</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>----------------</td>
<td>------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>9.</td>
<td>Mr. A. Jamaluddin Jamali</td>
<td>Bringing up Children and its procedures in Islamic Shariah</td>
<td>88023-16-5.</td>
</tr>
</tbody>
</table>
Islam', organized by School of Islamic Studies, B.S. Abdur Rahman University, Vandalur, Chennai.

### ACHIEVEMENTS OF STUDENTS

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the Students</th>
<th>Class &amp; Section</th>
<th>Title of the Award, Issuing Institution or Organization, venue and date</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>Noor Mohammed</td>
<td>B.A.I.S. II year</td>
<td>Won the Third prize in Arabic Oratorical competition in the “SOUL - 2015” organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.</td>
</tr>
<tr>
<td>5.</td>
<td>Mohammed Inamul Hasan</td>
<td>B.A.I.S. III Year</td>
<td>Won the Third prize in Arabic Essay Writing competition in the “SOUL - 2015” organized by Hindustan College of Arts and Science, Chennai on 13.08.2015.</td>
</tr>
</tbody>
</table>
DEVELOPMENTAL ACTIVITIES

Upgraded the existing computer lab by added new systems

SOCIETY ACTIVITIES

➢ **Quran Teaching Association** – It assigns thirty students in beginning of each semester to teach Holy Quran for the students of Crescent School in the early morning times of working days. This activity is being conducted since 2010.

➢ **Baithul Mal** – A student’s charity association. Contributions are being collected from the students and staff. One in a semester, after scrutinizing the application received from the needy students, scholarships and medical aids are dispersed.

**IMPORTANT VISITORS**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the Visitor</th>
<th>Designation/ Institution</th>
<th>Date of the Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Bouzidi Ismail</td>
<td>HoD of Arabic, Teachers' Training School, Algeria.</td>
<td>6th February 2016</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Md. Nazmul Hoque Nadwi</td>
<td>Professor, International Islamic University, Bangladesh.</td>
<td>6th February 2016</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Abul Kashem Muhammad Abdul Quader</td>
<td>Professor, University of Chittagong, Bangladesh.</td>
<td>6th February 2016</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Abdul Halim Riougui</td>
<td>University of Baleedah, Algeria.</td>
<td>6th February 2016</td>
</tr>
</tbody>
</table>
SCHOOL OF SOCIAL SCIENCES & HUMANITIES

➢ Social Sciences & Humanities
➢ Dept. of English
TRAINING PROGRAMMES OFFERED:

- Organized training the trainer programme to the faculty members of the department of English on 20.7.2015 & 21.7.2015.
- Organized training programme to the laboratory technicians of the engineering and science departments from 18.12.2015 to 22.12.2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED:

- The School of Social Sciences and Humanities organized a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48
- The School of Social Sciences and Humanities organized a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” to the technical teachers of the University in association with Cambridge English on 28/10/2015.

CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

Dr. Moon Moon Hussain

- Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.
- Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.
- Participated in a two day National workshop on “Quality Research” on 10/10/2015 and 11/10/2015 organized by Sri Ramanujar Engineering College, Chennai – 127.
- Participated in a one day workshop on “Women Academic Managers: Challenges and Approaches” held on 29th April 2015 at B.S. Abdur Rahman University.
Dr. P Devi

➢ Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.

➢ Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.

➢ Participated in a two day National workshop on “Quality Research” on 10/10/2015 and 11/10/2015 organized by Sri Ramanujar Engineering College, Chennai - 127.

➢ Participated in a one day workshop on “Women Academic Managers: Challenges and Approaches” held on 29th April 2015 at B.S. Abdur Rahman University.

Mr. Noushad C

➢ Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.

➢ Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.

MUHAMMED JAMSHEER T P

➢ Attended a two day ICMR sponsored National conference on “Women and Mental Health: A Psychosocial Perspective” on 17/2/2016 and 18/2/2016, B. S. Abdur Rahman University, Vandalur, Chennai-48.

➢ Attended a one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” organized by the School of Social Sciences, B.S. Abdur Rahman University, Chennai-48 in association with Cambridge English on 28/10/2015.
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Authors as appeared in the publication</th>
<th>Publication Title</th>
<th>Journal Title</th>
<th>Vol. No.</th>
<th>Iss. No.</th>
<th>Page Nos.</th>
<th>Month &amp; Year of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>P. Devi</td>
<td>Knowledge and Reproductive Health Practices of Adolescent Mothers in Rural Areas of Tamil Nadu</td>
<td>European Academic Research Journal</td>
<td>3</td>
<td>3</td>
<td>3517-3532</td>
<td>June 2015</td>
</tr>
</tbody>
</table>
NATIONAL CONFERENCE

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Authors as appeared in the presentation</th>
<th>Presentation Title</th>
<th>Conference Title</th>
<th>Volume No.</th>
<th>Issue No.</th>
<th>Page Nos.</th>
<th>Month &amp; Year of Proceedings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Noushad C</td>
<td>Matrimony Property Rights of Nair Women: An Appraisal of Post – Tharavadu Scenario in Kerela</td>
<td>41st All Indian Sociological conference of Indian Sociological Society</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Dec 2015</td>
</tr>
</tbody>
</table>

BOOK PUBLISHED:


EXTENSION ACTIVITY CONDUCTED:

- The School of Social Sciences and Humanities conducted a guest - lecture “The Importance of Law for Engineers” delivered by Dr. V. Balaji, Associate Professor in Law, Tamil Nadu Dr. Ambedkar Law University, Chennai on 26.3.2015.

- The School of Social Sciences and Humanities conducted a guest - lecture on “Economics for Engineers” delivered by Dr. Millie Nihila, Associate Professor, Department of Economics, Stella Maris College, Chennai - 86 on 3. 9.2015.

IMPORTANT VISITORS:

- Dr. V. Balaji, Associate Professor in Law, Tamil Nadu Dr. Ambedkar Law University, Chennai delivered a Guest lecture.
- Dr. Millie Nihila, Associate Professor, Department of Economics, Stella Maris College, Chennai – 86, delivered a Guest lecture.
DEPARTMENT OF ENGLISH

TRAINING PROGRAMMES OFFERED:

- Dr. A. Shahin Sultana, Dean, SSSH organized training the trainer programme to the faculty members of the department of English on 20.7.2015 & 21.7.2015
- She also organized and conducted training programme to the laboratory technicians of the engineering and science departments from 18.12.2015 to 22.12.2015

CONFERENCES / FDP / SEMINARS / WORKSHOPS CONDUCTED

1. Dr. Revathi Viswanathan Professor and HoD of English conducted a two-day National workshop on ‘Mobile-Enhanced Language Learning’ was conducted by ELTAI in association with the Department of English, B. S. Abdur Rahman University on 21st and 22nd August, 2015.

She also conducted a One-Day Colloquium on ‘Emerging theories and Applications in English Literature and Language Teaching Research’ on 13th February 2016

2. Dr. A. Shahin Sultana, Dean, SSSH conducted a one day workshop on Preparing Technical Teachers for Optimal Classroom Delivery through English Language on 28.10.2015 in association with Cambridge English.

3. Dr. A. Shahin Sultana, Dean, SSSH organized a two day Indian Council of Medical Research sponsored National Conference on Women and Mental Health: A Psychosocial Perspective on 17.2.2016 and 18.2.2016.
## CONFERENCES / FDP / SEMINARS / WORKSHOPS ATTENDED

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Conferences</th>
<th>FDP</th>
<th>Seminar</th>
<th>Workshop</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>National</td>
<td>International</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr.RV.</td>
<td>1</td>
<td>1</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Dr.SS</td>
<td>1</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Dr.UR</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Dr.PR</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Dr.HS</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Ms.Catherine Anna Pushpam</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Mr. S. Vijayalumar</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ms. Grace Vinitha</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Dr.Md. Sahidul Islam</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PAPERS PUBLISHED/ PRESENTED IN JOURNALS & CONFERENCES

<table>
<thead>
<tr>
<th>Faculty</th>
<th>National Conference</th>
<th>International Conference</th>
<th>National Journal</th>
<th>International Journal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.RV</td>
<td>-----</td>
<td>3 (Presentations)</td>
<td>----</td>
<td>----</td>
<td>3</td>
</tr>
<tr>
<td>Dr.SS</td>
<td>----</td>
<td>----</td>
<td>2 (publication)</td>
<td>1 (publication)</td>
<td>3</td>
</tr>
<tr>
<td>Dr.PR</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>2 (publication)</td>
<td>2</td>
</tr>
<tr>
<td>Dr.HS</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>1 (publication)</td>
<td>1</td>
</tr>
<tr>
<td>Ms.CA</td>
<td>1 (publication)</td>
<td>1 (presentation)</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Mr.SV</td>
<td>1 (publication)</td>
<td>1 (Presentation)</td>
<td>1</td>
<td>3 (publication)</td>
<td>6</td>
</tr>
<tr>
<td>Ms.GV</td>
<td>1 (presentation)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Dr.SI</td>
<td>1 (presentation)</td>
<td></td>
<td></td>
<td>1 (publication)</td>
<td>2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Faculty</th>
<th>National Journal/Conference</th>
<th>International Journal/Conference</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mr. S. Vijayakumar and Dr. A. Shahin Sultana.</td>
<td>1. To What Extent Do Writing Instructors Apply the Process Approach at &quot;Peer editing using web based instruction: a quantitative approach International Journal of Current Research Vol. 7,&quot;</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>No.</td>
<td>Author(s)</td>
<td>Title</td>
<td>Journal</td>
</tr>
<tr>
<td>-----</td>
<td>-----------</td>
<td>-------</td>
<td>---------</td>
</tr>
<tr>
<td>2</td>
<td>Dr. P. M. Usha Rani</td>
<td>Fostering Learner Engagement through Web-Based Instruction: A Qualitative Approach</td>
<td>Language in India</td>
</tr>
<tr>
<td>4</td>
<td>Mrs. A. Catherine Anna Pushpam</td>
<td>Creating awareness in English language learning through alternative assessment</td>
<td>8th National Conference on Methods and outcomes of Research in English,</td>
</tr>
</tbody>
</table>

AR 2015-16  
Dept. of English  
281
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fostering Learner Engagement through Web Based Instruction: A Qualitative Approach</td>
<td>Mr. S. Vijayakumar and A. Shahin Sultana</td>
<td>SRM University, March 2015, pp. 24-27</td>
</tr>
<tr>
<td>“Efficacy of Addie model in the digital classroom: an evidence based study”</td>
<td>Mr. S. Vijayakumar and M.P Srinivisan</td>
<td>IASET: Journal of Humanities and Social Sciences, Vol. 1, Issue 1, Jan-Jun 2015, 19-22</td>
</tr>
<tr>
<td>“Gender Discrimination and the Wretched Condition”</td>
<td>Dr. Mohd. Sahidul Islam</td>
<td></td>
</tr>
</tbody>
</table>
BOOKS PUBLISHED:


3. Dr. P. Rathna published the following books:


ACHIEVEMENTS OF STAFF:

- Mrs. H. Sofia obtained Ph.D degree in April 2015
- Mrs. A. Catherine Anna Pushpam, Assistant Professor won the First prize for developing exam based classroom activity for Tertiary/Higher Education category in the English in the Classroom Competition 2015 conducted by Cambridge English Language Assessment.
- Dr. P. Rathna, Associate Professor won the Most Collaborative Participant Award in the English in the Classroom competition 2015, conducted by Cambridge English Language Assessment, part of the University of Cambridge.
SOCIETY ACTIVITIES:

Dr. Revathi Viswanathan, Prof. & Head, is the Review board member of Editorial Committee for IGI Global Publications, USA and reviewed two journal articles, 'Mentoring Relationship Among Secondary Teachers' and 'Digital Literacy for 21st Century' in 2015.

Dr. A. Shahin Sulthana, Dean (SSSH), is a member of the editorial board the International Journal – TESOL.

Dr. A. Shahin Sulthana, Dean (SSSH), is a member of the editorial board of the International Journal – English for Specific Purposes World.

Dr. A. Shahin Sulthana, Dean (SSSH), is the Academic Editor of the National Journal – The Asian ESP.

Dr. P.M. Usha Rani, Professor is the editorial committee member of the University News Bulletin that is brought out every semester.

Dr. P. Rathna, Staff in charge of the Literary Club, coordinated the events of Literary Day, an intra-collegiate literary event on 31.10.2015.

Dr. P. Rathna as the Coordinator of the Students e-magazine Writers Inc. published the first online students magazine Writers Inc. in December 2015.

EXTENSION ACTIVITIES:

1. Dr. A. Shahin Sulthana, Dean, SSSH organized a guest-lecture on “The Importance of Law for Engineers” by Dr. V. Balaji, Associate Professor in Law, Dr. Ambedkar Law University on 26.3.2015.
2. She organized a guest-lecture on “Economics for Engineers by Dr. Millie Nihila, Associate Professor, Department of Economics, Stella Maris College on 3.9.2015.

3. Dr. A. Shahin Sulthana, Dean, SSSH conducted a Coordination programme to the faculty members of the department of English on 12.9.2015 to prepare them to conduct the speaking exam of Business English Certificate Course Exam.
4. Dr. Revathi Viswanathan, HOD English conducted a workshop on “Communication Skills Training Programme” in Amman College of Arts and Science, Dindukal on 4th August 2015.

She conducted a session on ‘Developing Writing through Blog’ in Valliammai Engineering College in December 2015.

3. Dr. P. Rathna was a Resource person in the workshop on Listening skill for teachers on August 25 at Adhiparasakthi Group of Schools, Melmaruvather
She was a Resource person in the Orientation Programme for students on Reading Skill at Adhiparasakthi Group of Schools in August 2015

4. Dr. Revathi Viswanathan, Dr. A. Shahin Sultana, Dr. P. M. Usha Rani, Dr. P. Rathna, Dr. H. Sofia, Mrs. A. Catherine Anna Pushpam, Mr. S. Vijayakumar, Ms. Grace Vinitha take up BEC examinership for the students of other colleges.

ANY OTHER INFORMATION:

Dr. A. Shahin Sultana, Dean, SSSH collaborated with exam cell and conducted the Business English Certificate examination to the students of second year B.Tech. in November 2015 and February 2016.
DEPARTMENT OF PHYSICAL EDUCATION
PHYSICAL EDUCATION

NSO CLASSES FOR FIRST YEAR STUDENTS

NSO Classes are conducted during the last period for first year Students. Three sections (around 180 students) are engaged in various sports activities during this period every day.

COACHING CAMPS FOR STUDENTS

Coaching Camps were organized for Men teams in Foot Ball, Basket Ball, Ball Badminton, Cricket, kabaddi, Volleyball, Badminton, and Athletics and for Women team in Ball Badminton, Throw Ball, Tennikoit, Volley Ball, Basket Ball, Badminton and Athletics.

SPORTS PARTICIPATION AND ACHIEVEMENTS BY STUDENTS

Our University Ball Badminton Men team Players participated in the Inter District Ball Badminton Tournament organized by Eagle Town Ball Badminton club, Thirukkalukunram, on 5th & 6th July- 2015 and won the Third Place with a cash prize of Rs. 4000/-


The following Prizes were secured

Men and Women combined teams has secured Overall Championship - Third Place

MEN SECTION

17 to 25 Years Category
P. Giridharan - IV B.Tech (ECE – C)
I - Place in Common category

II - Place in special category (Hand Balance)

17 to 25 Years Category
S.Santhosh Kanna - III Mech
II - Place in Common category

WOMEN SECTION

17 to 25 Years Category
M.Nivedhaa - III ECE
II - Place
J. Shahidha Parveen - III ECE

III - Place

18 to 19 Years Category

H. Haseena Nilofer - III B. Arch
I - Place
Z. H. Darvesh Akthar - III B. Tech (ECE)
III - Place

Our University Ball Badminton Teams (Men & Women), Staff Ball badminton (Combined Team) participated in the State level Buck memorial Trophy 2015 organized by YMCA college of Physical Education from 19th August 2014 to 21st August 2015.

The following are the results and the cash awards given:

- Staff Ball Badminton (Combined M&W) - Winners
- Ball Badminton (Women) - Runners-Up
- Ball Badminton (Men) - Semi Finals

Our University Ball Badminton teams (Men and Women), Football (Men), Tennis (Men), Basketball (Men), Volleyball (Men), Cricket (Men) teams participated in the SRM Founder's Trophy organized by the SRM University, Potheri, from 24th August 2015 to 26th August 2014.

The following are the results and the cash awards:

- Ball Badminton (Women) - Runners-Up Cash Prize Rs. 12,000/-
- Basket Ball (Men) - IV Place with Cash Prize Rs. 8,000/-
- Tennis (Men) - IV Place with Cash Prize Rs. 1,000/-


Our University Ball Badminton Team (Men Staff & Students Combined team) participated in the State level Ball Badminton Tournament - 2015 and won the Third Place with cash Prize of Rs.8000/- held at Thiruvarur on 5th & 6th September- 2015.

Our University Badminton Men team participated in the 3rd Tamilnadu State Inter Deemed University Badminton tournament for the year 2015-16 organized by Chettinadu Health City, Kelampakkam, Chennai, on 25th – 26th September- 2015. And won the Third place with a cash Prize of Rs.5000/-

Our University Ball Badminton Women team participated in the All India Level Ln.K. Mahendran Memorial Ball Badminton Tournament and won the
First Place with a cash Prize of Rs.10,000/- organized by Jolarpet Ball Badminton club, Jolarpet, Vellore (Dt) on 26th & 27th September- 2015.

Our University Ball Badminton Women team participated in the All India Level Senior Invitation Chief Minister Gold Cup Ball Badminton Tournament 2015-16 and won the Fourth Place with a cash Prize Rs.10,000/- organized by Someshwara Ball Badminton club held at Tumkur , Bangalore from 1st to 4th October- 2015.

Our University Ball Badminton Men team participated in the South India Level Open Ball Badminton Tournament 2015-16 organized by Karaikal Ball Badminton Club at Karaikal on 17th & 18th October-2015 and Secured Runners-Up Position with a cash Prize of Rs.4,000/-

Our University Ball Badminton Men team participated and won the Winners in the District level CM Trophy Ball Badminton Men Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 8th October 2015 at Kancheepuram.

Ms. M. Keerthana IV IT ‘A’ and S.Yasmin – IV E&I were selected to represent Kanchipuram Dist Ball Badminton team and won Winners in the District level CM Trophy Ball Badminton Women Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 8th October 2015 at Kancheepuram.

Ms. M. Keerthana IV IT ‘A’ and S.Yasmin – IV E&I represented the Tamilnadu State team and won the Runners - Up Position in the National Level Inter Zone Ball Badminton Tournament 2015-16 organized by Ball Badminton Federation of India held at Andhra Pradesh (AP) from 3rd to 5th December - 2015.

Kanchipuram Dist Ball Badminton team and won Runners Up Position with a Cash Prize Rs.7500/- per player in the State level CM Trophy Ball Badminton Women Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 12th to 14th February 2016 at Tirupur.

Ms. B.Sakthignavel III ECE ‘B’ and Mr. T.Velmurugan ,PTI were selected to represent Kanchipuram Dist Ball Badminton team and won Fourth Position with a Cash Prize Rs.3000/- per player in the State level CM Trophy Ball Badminton Men Tournament Organized by SDAT (Sports Development Authority of Tamilnadu) on 12th to 14th February 2016 at Tirupur.

STATE LEVEL TOURNAMENTS ORGANIZED

Our Department has successfully organized State Level - Dr. B. S. Abdur Rahman - Founder’s Trophy Foot Ball Tournament for Men for the 15th year in succession. Prof. S. Peer Mohamed Memorial Trophy Basket ball Tournament for Men was conducted for 9th year and Silver Jubilee Trophy Ball Badminton Tournaments for Men and Women were organized for 7th year, all during the Third week of February 2016. The tournaments were of high quality due to the participation of top teams from in and around Chennai and from southern part of the state. Cash Prizes to the tune of Rs. 44,000/- were awarded to the first four prize Winners in all the four games in addition to Rolling Trophies, Individual prizes and
Certificates. Free boarding and lodging facilities were extended to all the team players, team managers, officials and student volunteers.

Dr. V.M. Periasamy, our Honorable Vice Chancellor was the Chief Guest for Basket Ball & Ball badminton Tournaments and distributed the Rolling Trophies, Cash Prizes, Individual Prizes and Certificates to Basket Ball(Men), Foot Bal(Men) and Ball Badminton(Men &Women) Prizes Alhaj V.N.A. Jalal, Director (Admission) grace the function with his presence.

Alhaj V.N.A. Jalal, Director (Admission) was the Chief Guest for Foot Ball Tournament and distributed the Rolling Trophies, Cash Prizes, Individual Prizes and Certificates to four prize Winners and grace the function with his presence.

Dr. S. Chandran, Director of Physical Education and Organizing Secretary Introduced the Chief Guest in the Prizes distribution function and Organized the Tournaments Successfully along with Dr. R. Auvai, Deputy Director of Physical Education and Mr. T.Velmurugan, Physical Training Instructor.

STATE LEVEL SILVER JUBILEE TROPHY BALL BADMINTON TOURNAMENT (WOMEN) – RESULTS

B.S. Abdur Rahman University, Vandalur won the State Level Silver Jubilee Trophy Ball Badminton tournament for Women held at B. S. Abdur Rahman University Campus on 23rd February 2016. In the final league match the host defeated St. Joseph’s Institute of Technology, Chennai by 35-20, 35-26.

<table>
<thead>
<tr>
<th>WINNERS</th>
<th>B. S. Abdur Rahman University</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUNNERS - UP</td>
<td>St. Joseph’s Institute of Technology</td>
</tr>
<tr>
<td>III PLACE</td>
<td>SDNB Vaishnav, Chennai</td>
</tr>
<tr>
<td>IV PLACE</td>
<td>VSA Group of Institutions, Salem</td>
</tr>
</tbody>
</table>

STATE LEVEL SILVER JUBILEE TROPHY BALL BADMINTON TOURNAMENT (MEN) – RESULTS

<table>
<thead>
<tr>
<th>WINNERS</th>
<th>SRM University</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUNNERS - UP</td>
<td>St. Joseph’s College of Engineering</td>
</tr>
<tr>
<td>III PLACE</td>
<td>B. S. Abdur Rahman University</td>
</tr>
<tr>
<td>IV PLACE</td>
<td>Valliammai Engineering College</td>
</tr>
</tbody>
</table>

STATE LEVEL DR. B. S. ABDUR RAHMAN FOUNDER’S FOOTBALL TOURNAMENT (MEN) – RESULTS

<table>
<thead>
<tr>
<th>WINNERS</th>
<th>Jeppiaar Engineering College, Chennai</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUNNERS - UP</td>
<td>B. S. Abdur Rahman University, Chennai</td>
</tr>
<tr>
<td>III PLACE</td>
<td>SSN College of Engineering, Chennai</td>
</tr>
<tr>
<td>IV PLACE</td>
<td>Tagore Engineering College, Chennai</td>
</tr>
</tbody>
</table>

STATE LEVEL PROF. S. PEER MOHAMED MEMORIAL TROPHY BASKETBALL TOURNAMENT (MEN) – RESULTS
WINNERS : Jeppiaar Institute of Technology, Chennai
RUNNERS - UP : St. Joseph's Engineering, Chennai
III PLACE : B. S. Abdur Rahman University, Chennai
IV PLACE : Vels University, Chennai

Our University Ball Badminton (Men and Women), Chess (Men), Table Tennis (Women), Basket Ball (Men), Volley Ball (Men), Kabaddi (Men) teams participated in the JETS-2014 Tournaments organized by St. Joseph’s College of Engineering, Chennai from 12.03.2016 to 14.03.16 The following teams won the Prizes with Cash awards.

Results:

Ball Badminton Women Team – Runners Up Position with Cash Award Rs.6000/-
Trophy + Medals & Certificates

Table Tennis Women Team – III Place with Cash Award Rs.1000/-
Trophy + Medals & Certificates

Ball Badminton Men Team – IV Place with Cash Award Rs.2000/-

Foot ball Men Team – IV Place with Cash Award Rs.2000/-
ACADEMIC COUNCIL
# MEMBERS OF ACADEMIC COUNCIL

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name and Address</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. V.M. Periasamy, Vice Chancellor</td>
<td>Chairman</td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Seethakathi Estate, Vandalur, Chennai 600 048.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td><strong>Dean, School of Infrastructure Sciences</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 600 048.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td><strong>Dean, School of Mechanical Sciences</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Prof. &amp; Head., Dept. Of Mech. Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td><strong>Dean, School of Electrical &amp; Communication Sciences</strong>,</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td><strong>Dean, Crescent School of Architecture</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td><strong>Dean, School of Physical and Chemical Sciences</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td><strong>Dean, School of Social Sciences and Humanities</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td><strong>Dean, School of Islamic Studies</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td><strong>Dean, School of Life Sciences</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td><strong>Dean, School of Computer, Information &amp; Mathematical Sciences</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td><strong>Dean, Crescent Business School</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td><strong>Dean (Academic Affairs)</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Vandalur, Chennai 48.</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td><strong>Dean (Academic Research)</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td><strong>Dean (Student Affairs)</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Prof. &amp; HOD, Polymer Engineering, B.S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td><strong>Director (Admissions &amp; Campus Development)</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td><strong>Director, International Collaboration</strong></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td><strong>Controller of Examinations</strong>,</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>Sl. No</td>
<td>Name and Address</td>
<td>Position</td>
</tr>
<tr>
<td>-------</td>
<td>------------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| 18.   | Head., Dept. of Civil Engineering  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 20.   | Head., Department of Computer Science & Engg.  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 21.   | Head., Dept. of Information Technology  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 22.   | Head., Dept. of Automobile Engg.  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 23.   | Head., Department of Aerospace Engineering  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 24.   | Head., Dept. of Mechanical Engineering  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 25.   | Head., Dept. of Electrical & Electronics Engg.  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 26.   | Head., Dept. of Polymer Engineering  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 27.   | Head., Department of Electronics & Instrumentation Engg.  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 28.   | Head., Department of Computer Applications  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 29.   | Head. Department of Mathematics  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 30.   | Head., Department of Physics  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 31.   | Head., Department of Chemistry  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 32.   | Head., Department of English  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 33.   | Dr. Angelina Geetha,  
Professor, Department of Computer Science & Engineering  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 34.   | Dr. Haider Yasmin  
Professor, Crescent Business School  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 35.   | Dr. S. Kutti Rani  
Professor, Department of Chemistry  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
| 36.   | Prof. R. Rajaraman,  
Professor, Department of Mechanical Engineering  
B. S. Abdur Rahman University, Vandalur, Chennai – 48. | Member |
<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name and Address</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.</td>
<td>Dr. W. Aisha Banu</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Professor, Department of Computer Science and Engg.</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>38.</td>
<td>Dr. N. Hajara Beevi</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Professor, Department of Chemistry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>39.</td>
<td>Dr. C. Tharini</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Professor, Department of Electronics &amp; Comm. Engg.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>40.</td>
<td>Dr. U. Sabura Banu</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Professor, Department of Electronics &amp; Inst. Engg.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>41.</td>
<td>Dr. S. Srinivasan,</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Professor, Department of Mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>42.</td>
<td>Dr. E. Rajakuperan,</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Professor, Department of Aero Space Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B.S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ASSOCIATE PROFESSORS</strong></td>
<td></td>
</tr>
<tr>
<td>43.</td>
<td>Ms. T. Nagamalar</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Associate Professor, Department of Computer Science &amp; Engg.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>44.</td>
<td>Ms. Nasreen Kaleem</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Associate Professor, Department of Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>45.</td>
<td>Ms. X. Arputha Rathna</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Associate Professor, Department of Computer Science &amp; Engg.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>46.</td>
<td>Ms. S. Shahar Banu,</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Assistant Professor (Sel. Gr.), Department of Computer Applications,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>47.</td>
<td>Ms. K. Yogeswari</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Assistant Professor (Sel. Grade), Crescent School of Architecture</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>48.</td>
<td>Mr. Y. Mohamed Shuaib</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Assistant Professor (Sel. Gr.), Dept. of Electrical &amp; Electronics Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. S. Abdur Rahman University, Vandalur, Chennai – 48.</td>
<td></td>
</tr>
<tr>
<td>Sl. No</td>
<td>Name and Address</td>
<td>Position</td>
</tr>
<tr>
<td>--------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>49.</td>
<td>Prof. Syed Mahdi Abbas Rizvi, Professor, Dept. of Mechanical Engineering Aligarh Muslim University, Aligarh – 202 002.</td>
<td>Member</td>
</tr>
<tr>
<td>50.</td>
<td>Dr. S.P. Thyagarajan, (Former Vice-Chancellor, University of Madras), Pro-Chancellor (Research), Sri Ramachandra University, Porur, Chennai – 600 116.</td>
<td>Member</td>
</tr>
<tr>
<td>51.</td>
<td>Prof. Thangamuthu (Former Vice Chancellor, Bharathidasan University) No. 74, Agni Fairy Land, Thandalam, Chennai – 60077.</td>
<td>Member</td>
</tr>
<tr>
<td>52.</td>
<td>Dr. Ashok Vasudevan Managing Director FESTO Controls Private Limited Global Production Centre 225 &amp; 226, Bommasandra Indl, Area, Off Hosur Road, Bangalore – 560099 Email: <a href="mailto:ashok_vasudevan@in.festo.com">ashok_vasudevan@in.festo.com</a></td>
<td>Member</td>
</tr>
<tr>
<td>53.</td>
<td>Dr. K. Sriram 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></td>
<td>Member</td>
</tr>
<tr>
<td>54.</td>
<td>Dr. Jagadesh Kumar Professor of Electrical &amp; Electronics Engg. IIT Madras, Chennai.</td>
<td>Member</td>
</tr>
<tr>
<td>55.</td>
<td>Mr. K Bhaskar, Technical Manager, Embedur System, J.V.L. Plaza, 5th Floor, Teynampet, Chennai – 600 018.</td>
<td>Member</td>
</tr>
<tr>
<td>56.</td>
<td>Mr. Abdul Qadir A. Rahman Buhari Chairman, Board of Management B.S. Abdur Rahman University Vandalur, Chennai – 600 048.</td>
<td>Member</td>
</tr>
<tr>
<td>57.</td>
<td>Dr. S.K. G. Ganesh Professor, Crescent Business School B.S. Abdur Rahman University, Vandalur, Chennai – 600 048</td>
<td>Member</td>
</tr>
<tr>
<td>58.</td>
<td>Dr. V. Murugesan Registrar, B.S. Abdur Rahman University, Vandalur, Chennai 600 048.</td>
<td>Non Member Secretary</td>
</tr>
</tbody>
</table>