# BMS COLLEGE OF ENGINEERING, BENGALURU-19
## BOARD OF GOVERNORS (BOG)
### Minutes of 60th Meeting
#### September 2, 2015

## CONTENTS

<table>
<thead>
<tr>
<th>SNo</th>
<th>Subject</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section 1</strong></td>
<td>CONFIRMATION OF THE MINUTES</td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>Confirmation of the Minutes of the 58th &amp; 59th BOG meetings held on 8th April 2015</td>
<td>2</td>
</tr>
<tr>
<td><strong>Section 2</strong></td>
<td>ACTION TAKEN REPORT</td>
<td></td>
</tr>
<tr>
<td>2.1</td>
<td>To note the action taken on the decisions / resolutions of the 58th &amp; 59th BOG meetings held on 8th April 2015</td>
<td>3</td>
</tr>
<tr>
<td><strong>Section 3</strong></td>
<td>COLLEGE REPORT</td>
<td></td>
</tr>
<tr>
<td>3.1</td>
<td>Report of the Academic Activities of the College</td>
<td>3</td>
</tr>
<tr>
<td><strong>Section 4</strong></td>
<td>INFORMATION ITEMS</td>
<td></td>
</tr>
<tr>
<td>4.1</td>
<td>Report regarding extension of Autonomous Status</td>
<td>3</td>
</tr>
<tr>
<td>4.2</td>
<td>Report regarding hosting of Seven International Conferences in the College</td>
<td>3</td>
</tr>
<tr>
<td>4.3</td>
<td>Report on Third Graduation Day held on 26.07.2015</td>
<td>6</td>
</tr>
<tr>
<td>4.4</td>
<td>Melton Foundation-Global Citizenship Celebrations 2015</td>
<td>6</td>
</tr>
<tr>
<td>4.5</td>
<td>Admissions under QIP to PhD for the Academic Year 2015-16 at BMSCE</td>
<td>6</td>
</tr>
<tr>
<td>4.6</td>
<td>Procurement of Plagiarism check Software “Turn-it-On” to curb plagiarism in Research (UG, PG &amp; PhD Projects / Thesis)</td>
<td>7</td>
</tr>
<tr>
<td>4.7</td>
<td>Status Report on Strategic Planning</td>
<td>7</td>
</tr>
<tr>
<td><strong>Section 5</strong></td>
<td>ITEMS FOR RATIFICATION</td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>Appointments made to Teaching positions</td>
<td>7</td>
</tr>
<tr>
<td>5.2</td>
<td>Appointments made to Non-Teaching positions</td>
<td>8</td>
</tr>
<tr>
<td>5.3</td>
<td>Implementation of Dearness Allowance for the Non-Teaching Employees under State Scales of Pay</td>
<td>8</td>
</tr>
<tr>
<td>5.4</td>
<td>Implementation of Dearness Allowance for Faculty under AICTE Scales of Pay</td>
<td>8</td>
</tr>
<tr>
<td>5.5</td>
<td>Enhancement of Reimbursement of Education Aid to the wards of Non-Teaching Staff</td>
<td>9</td>
</tr>
<tr>
<td><strong>Section 6</strong></td>
<td>ITEMS FOR APPROVAL</td>
<td></td>
</tr>
<tr>
<td>6.1</td>
<td>Minutes of the eighth &amp; ninth meetings of the Academic Council held on 29.04.2015 &amp; 26.06.2015</td>
<td>9</td>
</tr>
<tr>
<td>6.2</td>
<td>Minutes of the meetings of the Sub-Committee of BOG of TEQIP Phase-II and the report on the activities of TEQIP Phase-II</td>
<td>10</td>
</tr>
<tr>
<td>6.3</td>
<td>Good Governance Document</td>
<td>10</td>
</tr>
<tr>
<td>6.4</td>
<td>Recommendation of Board of Appointments (BOA) for extension of Scales of Pay and tenure in respect of Management (Technical / Administrative) Staff members appointed on Adhoc Basis on completion of four years of service in BMSCE</td>
<td>10</td>
</tr>
</tbody>
</table>
## Minutes of 60th Meeting

**September 2, 2015**

<table>
<thead>
<tr>
<th>SNo</th>
<th>Subject</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.5</td>
<td>Deputation to pursue PhD under QIP</td>
<td>11</td>
</tr>
<tr>
<td>6.6</td>
<td>Grant of Time Bound promotions to Non-Teaching Staff working under Grant-in-Aid</td>
<td>12</td>
</tr>
<tr>
<td>6.7</td>
<td>Guidelines for Technical Institutions coming under the purview of AICTE for the students participating in Educational Tours, Study Tours, Field Visits, Industrial Visits, Excursions or any other visits/tours</td>
<td>12</td>
</tr>
<tr>
<td>6.8</td>
<td>Representation from Sri. Aluraiah, Helper, Department of Computer Science, requesting for Voluntary Retirement from service</td>
<td>13</td>
</tr>
</tbody>
</table>

### Section 7 ANY OTHER ITEMS

| 7.1 | Report on Placement Activities for 2016 batch students                  | 13      |
| 7.2 | Report on BMS College of Engineering Alumni Association (BMSCEAA) activities | 13      |
| 7.3 | Report on activities conducted under Internal Quality Assurance Cell (IQAC) | 14      |

- **Annexure-I** - Report on College Activities – April to July 2015
- **Annexure-II** – Report on Third Graduation Day held on 26.07.2015
- **Annexure-III** – Status Report of Strategic Planning
- **Annexure-IV** – List of candidates appointed - Teaching
- **Annexure-V** – List of candidates appointed – Non-Teaching
- **Annexure-VI** – Minutes of the meetings of sub-committee of BOG of TEQIP Phase-II
- **Annexure-VII** – Good Governance Document
- **Annexure-VIII** – AICTE Guidelines for Educational Tours
- **Annexure-IX** - Report on BMS College of Engineering Alumni Association (BMSCEAA) activities

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**Page Numbers:**

- Annexure-I: 15
- Annexure-II: 65
- Annexure-III: 67
- Annexure-IV: 74
- Annexure-V: 76
- Annexure-VI: 77
- Annexure-VII: 274
- Annexure-VIII: 298
- Annexure-IX: 304
MEMBERS PRESENT:
1. Dr.P.Dayananda Pai Chairman
2. Dr.B.S.Ragini Narayan Member
3. Sri.K.Jairaj, IAS (Retd) Member
4. Dr.G.N. Sekhar Member
5. Dr.Ravishankar Deekshit Member
6. Sri.M.Krishnaswamy Member
7. Dr.D.Thukaram Member
8. Dr.A.Sridharan Special Invitee
9. Dr.Lawrence Jenkins Special Invitee
10. Dr.K.Mallikharjuna Babu Member-Secretary

Invitee(s)
11. Dr.H.S.Jagadeesh Invitee
12. Dr.S.Venkateshwaran Invitee
13. Dr.Mohan Babu Invitee
14. Dr.L.Ravikumar Faculty Invitee
15. Sri.Panchakshari Invitee
16. Col.(Retd.) Arun Bhandarkar Invitee
17. Col.(Retd.) K.V.N.Swamy Invitee

LEAVE OF ABSENCE:
1. Sri.H.U.Talawar Member
2. Prof.Nirmal Singh Sehra Member
3. Dr.Rudra Naik Faculty Invitee

The Chairman, BOG, extended a cordial welcome to all the Members & Invitees to the meeting.

The Member-Secretary introduced the student representatives invited to the Meeting. The student representatives were then asked to share their views on related issues.
In the interaction that followed, the students expressed their overall satisfaction with the quality of their learning and facilities. The students also shared the following requirement/concerns for consideration and further improvement:

- Timely announcement of results particularly with regard to makeup examination to ensure that the students are not deprived of placement opportunities.
- Students from Computer Science opined that the departments should share the outcome of workshops conducted for the benefit of all students.
- The hostelites requested for improvement in quality of food served at the hostels and for providing improved the Wi-Fi facility at the hostels. The hostelites also expressed that the wardens need to be more co-operative and show more concern for the problems faced by inmates.

The Board informed the Member-Secretary to look into the above suggestions and issue necessary instructions to the concerned. While on the subject, the Board also directed the Member-Secretary to obtain feedback on the performance of hostel wardens as is being gathered to ascertain teachers' performance.

The Board thanked the student representatives for their suggestions.

**Section 1: ITEMS FOR CONFIRMATION**

**1.1 CONFIRMATION OF THE MINUTES OF THE 58TH & 59TH BOG MEETING HELD ON 8TH APRIL 2015**

The minutes of the 58th & 59th meetings of the Board of Governors (BOG) held on 8th April 2015 were confirmed.
Section 2: ACTION TAKEN REPORT

2.1 TO NOTE THE ACTION TAKEN ON THE DECISIONS / RESOLUTIONS OF THE 58th & 59th BOG MEETINGS HELD ON APRIL 8, 2015

The BOG noted the Action Taken Report of the 58th & 59th meetings of BOG held on April 8, 2015 and approved.

Section 3: COLLEGE REPORT

3.1 REPORT OF THE ACADEMIC ACTIVITIES OF THE COLLEGE

The Board noted and appreciated the report on academic and other activities for the period from April 2015 to July 2015 presented by the Member-Secretary (report shown at Annexure-I).

Section 4: INFORMATION ITEMS

4.1 REPORT REGARDING EXTENSION OF AUTONOMOUS STATUS

The BOG noted that VTU has recommended for extension of Academic Autonomy for BMSCE to the University Grants Commission (UGC) through its letter dated 08.05.2015. The BOG also took note of the letter dated 07.07.2015 by the Joint Secretary, UGC, conveying constitution of Expert Committee to evaluate the performance and academic attainments for the extension of Autonomous Status (for the period from 2014-2015 to 2019-2020). The date of the visit is yet to be intimated by the UGC Expert Committee.

4.2 REPORT REGARDING HOSTING OF SEVEN INTERNATIONAL CONFERENCES IN THE COLLEGE

The Member-Secretary apprised the BOG that out of seven international conferences scheduled to be held during the year 2015 to commemorate seventy years celebrations of BMSCE, four have been successfully conducted and preparations for the remaining three are underway.
Report on Conferences held so far:

1. January 2015 (First of seven Conferences)
   - The first International Conference - "Transformations in Engineering Education (ICTIEE – 2015)" was conducted from January 4-8, 2015. The matter was presented to the Board by the Conference Coordinators in the 58th BOG meeting held on 08.04.2015. The report (in digital form) was also circulated to the members through email. The Conference video was presented to the Board during the meeting.

2. April 2015 (Second of seven Conferences)
   - The second International Conference - “Micro Perspectives for Decentralized Energy Supply (MES 2015)” was conducted from April 23-25, 2015. The Conference Coordinator, Dr.K.R.Suresh (Professor of Civil Engineering) presented a brief report on the Conference [MES 2015], its outcomes and future engagement with the organizers. The Board also noted the print copy of the report.

3. June 2015 (Third of seven Conferences)
   - The third International Conference - “IEEE International Advance Computing Conference (IACC 2015)” was conducted during June 12-13, 2015. The Conference Coordinator, Dr.K.R.Radhika (Professor of Information Science Engineering) presented a brief report on the Conference [IACC 2015] its outcomes and future activities. The Board also noted the print copy of the report.

4. July 2015 (Fourth of seven Conferences)
   - The fourth International Conference - “Predictive and Preventive Health Technologies b-eCare 2015” was held during July 25-28, 2015. The Conference Coordinator, Dr.H.N.Summa (Professor & HOD of Medical Electronics) presented a brief report on the Conference, its outcomes and future activities. The Board also noted the print copy of the report.
Update on the upcoming (three) Conferences:

The Member-secretary brought to the notice of the members that all necessary preparations are being made with regard to conduction of remaining three upcoming international conferences.

5. November 2015
   International Conference on Business Ecosystem-Issues, Challenges and Opportunities is scheduled from November 5-6, 2015

6. November 2015
   International Conference on Technologies for Sustainable Social Innovation is scheduled from November 8-9, 2015

7. January 2016
   International Conference on role of creativity in higher education in association with India Platform is tentatively scheduled during January 2016.

While on the subject, the Chairman, BOG, expressed satisfaction over the conduction of the Conferences. He further informed the Board that all the four conferences were conducted by raising sponsorship from industry and other stakeholders and through self-financing (registration fee) inspite of the Trust offering to allocate necessary funds.

While on the subject, the Member-Secretary thanked the Management for hosting the Conference dinner for all the four Conferences. He also thanked the Board for their support and guidance in successfully conducting these Conferences.

The BOG appreciated the efforts put in by the principal, faculty, staff, students and patrons and all the stakeholders.
4.3 REPORT ON THIRD GRADUATION DAY HELD ON 26.07.2015

The BOG appreciated the report on the Third Graduation Day for awarding Degrees to the third autonomous batch of Engineering Graduates (2010-2014) and the second autonomous batch of Architecture Graduates (2009-2014). The Report is shown at Annexure-II.

4.4 MELTON FOUNDATION-GLOBAL CITIZENSHIP CELEBRATIONS 2015

The Member-Secretary brought to the notice of the BOG the activities of Melton Foundation. He also informed that the next Global Citizenship Conference (GCC) is being held from 14-21 September 2015 at the Zhejiang University in Hangzhou, China.

The Board then interacted with the Melton Fellows Mr. Mourya, Mr. Paritosh, Mr. Shabarish, Mr. Akshay, Ms. Riya, Ms. Nidhi (BMSIT) Mr. Akshath Karanam, Ms. Ashitha Nayak and Mr. Mandeep Singh and the Task Team Member Dr. Mamatha P Raj, Dean (Architecture). While on the subject, the Member-Secretary informed the members that Dr. Mamatha P Raj, Dean (Architecture) will be attending the GCC 2015.

The BOG noted the activities of the Melton Foundation and the GCC 2015.

4.5 ADMISSIONS UNDER QIP TO PhD FOR THE ACADEMIC YEAR 2015-16 AT BMSCE

The Member-Secretary apprised the BOG that BMSCE has been recognized as Minor QIP Centre by AICTE from 2012-13 to offer PhD programme in Civil, Mechanical, Electrical, Electronics and Industrial Engineering & Management with a sanctioned intake of two seats in each of the Department. The AICTE has also approved to offer M.Tech. (Machine Design) programme in the department of Mechanical Engineering with a sanctioned quota of two seats under QIP. So far one student has completed M.Tech. (Machine Design) and one student has been enrolled for PhD in Industrial Engineering & Management.
For the current academic year, QIP, IITK has recommended one candidate each in the Departments of Electrical and Electronics Engineering for advance admission to PhD for 2015-16.

4.6 PROCUREMENT OF PLAGIARISM CHECK SOFTWARE “TURN-IT-ON” TO CURB PLAGIARISM IN RESEARCH (UG, PG & PhD PROJECTS / THESIS)

The BOG was informed that a Plagiarism check software has been procured to conform that global practices to curb plagiarism in Research (UG, PG, & PhD Project/Thesis) are being adhered to. The BOG also took note that hereinafter all the Research / Project Reports of UG, PG, & PhD will be processed only after performing the plagiarism check. The implementation of plagiarism check of all the Research / Project Reports of UG, PG, & PhD shall be the responsibility of the concerned Head of the Department.

The Board directed the Member-Secretary to issue a circular to this effect and ensure its apt compliance.

4.7 STATUS REPORT ON THE STRATEGIC PLANNING

The Member-Secretary made a power point presentation on the status of implementation of Strategic Planning for the period from [April 2015 to August 2015]. The Member-Secretary also apprised that steps have been initiated to revise the short term planning both at the department and institute levels and the same is expected to complete by December 2015. The Board noted the progress towards the implementation of Strategic plan (status report enclosed at Annexure-III) and expressed its satisfaction.

Section 5: ITEMS FOR RATIFICATION

5.1 APPOINTMENTS MADE TO TEACHING POSITIONS

The Board ratified the appointments made to teaching positions (Professor/Associate Professor/Assistant Professor - listed at Annexure-IV) as recommended by the Board of Appointments (BOA)/Chairman, BOG.
5.2 APPOINTMENTS MADE TO NON-TEACHING POSITIONS

The Board ratified the appointments made to various non-teaching positions (Listed at Annexure-V) as recommended by the Board of Appointments (BOA) /Chairman, BOG.

5.3 IMPLEMENTATION OF DEARNESS ALLOWANCE FOR THE NON-TEACHING EMPLOYEES UNDER STATE SCALES OF PAY

The Board approved the implementation of Dearness Allowance to the non-teaching staff members (both Aided and Management) in the revised pay scales 2012 (State Scale of Pay) from the existing 25.25% to 28.75% of the basic pay w.e.f. 01.01.2015 (GO No.FD 11 SRP 2015 dated 24.04.2015). The Board also noted the total DA arrears of Rs.5,09,288/- was disbursed.

The details are as shown below:

<table>
<thead>
<tr>
<th>SNo</th>
<th>Account Head</th>
<th>Number of Employees</th>
<th>Difference Per Month</th>
<th>Arrears of DA Period from July 2014 to October 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Grant-in-Aid (15% Mgt. Share)</td>
<td>80</td>
<td>7,584.00</td>
<td>2,02,000</td>
</tr>
<tr>
<td>2</td>
<td>Management</td>
<td>126</td>
<td>66,822</td>
<td>2,67,288</td>
</tr>
<tr>
<td>3</td>
<td>P.G.</td>
<td>20</td>
<td>10,000</td>
<td>40,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>226</td>
<td>84,406</td>
<td>5,09,288</td>
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5.4 IMPLEMENTATION OF DEARNESS ALLOWANCE FOR FACULTY UNDER AICTE SCALES OF PAY

The Board approved the implementation of Dearness Allowance to the Teaching Staff members (both Aided and Management) who are on AICTE Scales of pay from the existing 107% to 113% of the basic pay w.e.f. 01.01.2015 (GO No.FD 12 SRP 2015 dated 08.05.2015). The Board also noted the total DA arrears of Rs.37,51,940/- was disbursed.
The details are as shown below:

<table>
<thead>
<tr>
<th>SNo</th>
<th>Account Head</th>
<th>Number of Employees</th>
<th>Difference Per Month</th>
<th>Arrears of DA Period from July 2014 to October 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Grant-in-Aid (15% Mgmt. Share)</td>
<td>75</td>
<td>37,000</td>
<td>11,50,000</td>
</tr>
<tr>
<td>2</td>
<td>Management</td>
<td>192</td>
<td>4,12,388</td>
<td>20,61,940</td>
</tr>
<tr>
<td>3</td>
<td>PG</td>
<td>40</td>
<td>1,07,920</td>
<td>5,40,000</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>307</strong></td>
<td><strong>5,57,308</strong></td>
<td><strong>37,51,940</strong></td>
</tr>
</tbody>
</table>

5.5 ENHANCEMENT OF REIMBURSEMENT OF EDUCATION AID TO THE WARDS OF NON-TEACHING STAFF

The Member-Secretary apprised the BOG that the Management is providing educational aid for one child of non-teaching staff of all BMS Institutions. Last year the Educational Aid was Rs.5,000/- per annum and now the Chairman, BOG, approved (dated 03.08.2015) to revise the Educational Aid from Rs.5,000/- to Rs.10,000/- per annum for one child of non-teaching staff from the academic year 2015-16. The Board appreciated the generous decision of the Management in providing educational aid to the children of non-teaching staff of all BMS Institutions. The Board also noted that a total of 107 non-teaching staff members of BMSCE benefited under this scheme as on date. While ratifying the decision of the Management, the Board stated that an employee is eligible for one benefit only.

Section 6: ITEMS FOR APPROVAL

6.1 MINUTES OF THE EIGHTH & NINTH MEETINGS OF THE ACADEMIC COUNCIL HELD ON 29.04.2015 & 26.06.2015

The minutes of the eighth & ninth meetings of the Academic Council held on 29.04.2015 & 26.06.2015 were circulated to the members through email and also a hard copy was submitted for perusal of the Members. After detailed deliberations, the Board approved and ratified the minutes. The BOG noted that the minutes are also being uploaded on the College website.
6.2 MINUTES OF THE MEETING OF THE SUB-COMMITTEE OF BOG OF TEQIP PHASE-II AND THE REPORT ON THE ACTIVITIES OF TEQIP PHASE II

The Vice-Principal and the TEQIP Coordinator-I presented a brief report on activities of TEQIP Phase II. The minutes of the fifteenth & sixteenth meetings of the Sub-committee of BOG of TEQIP Phase II held on 11.07.2015 & 26.08.2015 were ratified and approved (minutes of the meetings are enclosed at Annexure-VII).

6.3 GOOD GOVERNANCE DOCUMENT

The Member-Secretary apprised that as per the directions of the BOG (in the 58th meeting of the BOG), the Good Governance Document (GGD) has been referred to Prof.B.S.Sonde, Mentor (TEQIP II), for his guidance and advice. Prof.Sonde has suggested few corrections to the draft GGD which were duly incorporated and is being presented for perusal of the BOG. The Member-Secretary also informed that Prof.D.Thukaram represented the Board along with the Member-Secretary in a meeting on the subject convened by the World Bank during October 2014 held at Delhi. Prof.D.Thukaram informed the Board that he has thoroughly reviewed the modified draft of the GGD and requested the Board to approve the same. The BOG took note of the same and approved. The approved GGD is provided at Annexure-VII.

6.4 RECOMMENDATION OF BOARD OF APPOINTMENTS (BOA) FOR EXTENSION OF SCALES OF PAY AND TENURE IN RESPECT OF MANAGEMENT (TECHNICAL / ADMINISTRATIVE) STAFF MEMBERS APPOINTED ON ADHOC BASIS ON COMPLETION OF FOUR YEARS OF SERVICE IN BMSCE

After detailed deliberations, the BOG deferred the consideration of the matter to the next meeting.
### 6.5 DEPUTATION TO PURSUE PhD UNDER QIP

The BOG ratified the deputation of Sri.B.Sudarshan, Assistant Professor, Department of Mechanical Engineering to pursue PhD under Quality Improvement Programme (QIP) for the year 2015-16.

<table>
<thead>
<tr>
<th>SNo</th>
<th>Name of the faculty / Designation</th>
<th>Department</th>
<th>Institution</th>
<th>Deputation Duration (three years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sri. B. Sudarshan, Asst. Prof.</td>
<td>Mechanical</td>
<td>Indian Institute of Science, Bangalore</td>
<td>14.07.2015 to 13.07.2018</td>
</tr>
</tbody>
</table>

The BOG also noted that the following faculty members are currently on deputation to pursue PhD under Quality Improvement Programme:

<table>
<thead>
<tr>
<th>SNo</th>
<th>Name of the faculty / Designation</th>
<th>Department</th>
<th>Institution</th>
<th>Deputation Duration (three years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sri. P.M.Shivaswamy, Asst. Prof.</td>
<td>Mathematics</td>
<td>University of Mysore</td>
<td>2012-2015 Extended up to 09.02.2016</td>
</tr>
<tr>
<td>2</td>
<td>Sri. H.R. Prakash, Asst. Prof.</td>
<td>Mechanical</td>
<td>IIT, Kharagpur</td>
<td>06.07.2013 to 05.07.2016</td>
</tr>
<tr>
<td>3</td>
<td>Sri. K. Balachandra, Asst. Prof.</td>
<td>Telecomm.</td>
<td>International Institute of Information Technology, Bangalore</td>
<td>01.03.2013 to 31.07.2016</td>
</tr>
<tr>
<td>4</td>
<td>Smt. H.N. Latha, Asst. Prof.</td>
<td>Electronics</td>
<td>IIT, Kharagpur</td>
<td>07.07.2014 to 06.07.2017</td>
</tr>
<tr>
<td>5</td>
<td>Smt. M. Umavathi, Asst. Prof.</td>
<td>Electrical</td>
<td>Anna University, Chennai</td>
<td>03.07.2014 to 02.07.2017</td>
</tr>
</tbody>
</table>
6.6 GRANT OF TIME BOUND PROMOTIONS TO NON-TEACHING STAFF WORKING UNDER GRANT-IN-AID

The Board noted the proposal for Time Bound promotions for the following GIA employees have been sent to the DTE vide letter dated 10.08.2015 pending its approval.

<table>
<thead>
<tr>
<th>SNo</th>
<th>Name</th>
<th>Department</th>
<th>Designation</th>
<th>Entry into present cadre</th>
<th>COMPLETION OF YEARS</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Smt. Shobha M</td>
<td>Office</td>
<td>Stenographer</td>
<td>31.10.88</td>
<td>25</td>
<td>31.10.13</td>
</tr>
<tr>
<td>2</td>
<td>Sri. Fairoz Khan</td>
<td>Office</td>
<td>Peon</td>
<td>13.10.99</td>
<td>15</td>
<td>12.10.14</td>
</tr>
</tbody>
</table>

The Board noted and approved the proposal.

6.7 GUIDELINES FOR TECHNICAL INSTITUTIONS COMING UNDER THE PURVIEW OF AICTE FOR THE STUDENTS PARTICIPATING IN EDUCATIONAL TOURS, STUDY TOURS, FIELD VISITS, INDUSTRIAL VISITS, EXCURSIONS OR ANY OTHER VISITS/TOURS.

The Member-Secretary apprised the BOG that the AICTE has formulated guidelines to ensure safety of the students when the students are sent on educational tours, study tours, field visits, industrial visits and excursions etc., in AICTE approved Technical Institutions and Universities including Deemed Universities imparting Technical Education and directed to implement the guidelines in the institution in the best interest of the students. Copy of the guidelines is shown at Annexure-VIII. In the said guidelines the Head of the Institution is made responsible for implementing the said guidelines in the institution. However, it is a practice in the College that the request for study tours, project tours, industrial visits are being initiated by the Heads of the Department and it is the responsibility of the HOD/Department to oversee the entire process. Hence, it is proposed that the implementation of guidelines shall be the responsibility of the concerned Head of the Department. The HOD shall follow the AICTE guidelines and ensure the implementation of said guidelines are adhered to.
The BOG took note of the AICTE guidelines to ensure safety of the students when the students are sent on educational tours study tours; field visits, industrial visits and excursions etc., in AICTE approved Technical Institutions and Universities including Deemed Universities imparting Technical Education. The BOG approved the proposal that the concerned Head of the Department be made responsible to follow the AICTE guidelines and ensure that all the parameters in the guidelines as and when they propose to send their students on industrial visits / field visits. All such proposal shall have prior approval from the Head of the Institution.

6.8 REPRESENTATION FROM SRI.ALURAIH, HELPER, DEPARTMENT OF COMPUTER SCIENCE, REQUESTING FOR VOLUNTARY RETIREMENT FROM SERVICE.

The BOG noted that Sri.Aluraiah, Helper, Department of Computer Science has submitted representation requesting for voluntary retirement from service on health grounds. The BOG approved the request of Sri.Aluraiah, Helper, Department of Computer Science for voluntary retirement from service and to relieve him from service on 31.08.2015.

Section 7: ANY OTHER ITEMS

Any other subject/s with the permission of the Chair

7.1 The BOG noted the report presented by the Dean (Placement & Training) on the Placement/internship activities for 2016 batch students

7.2 The BOG noted the report submitted by the Member-Secretary on the activities under taken by the BMS College of Engineering Alumni Association (BMSCEAA) (report shown at Annexure-IX).
7.3 The BOG noted the brief report submitted by the Member-Secretary on the various activities conducted under Internal Quality Assurance Cell (IQAC) constituted in accordance with the guidelines of NAAC (Report is uploaded on the College website).

7.4 The Member-Secretary informed the BOG that Phase Shift – Annual Tech Symposium is scheduled from September 19-20, 2015.

The meeting concluded with vote of thanks to the Chair.
April 01, 2015: Inauguration of UTSAV 2015

April 02, 2015: Day 2 - UTSAV 2015

April 03: Day 3 - UTSAV 2015
April 04, 2015: Outreach Programme - Swaccha Bharat Abhiyaan – BMSCE by faculty, staff & students of Department of Instrumentation Technology - creating social awareness on SWINE FLU at Sri Shaneswara Temple, Gavipuram, Bengaluru

April 04, 2015: Felicitation to Smt. A.S. Lalithamma, Supt. Academic Section on her superannuation

April 04, 2015: Review of R&D Proposals submitted under TEQIP II by the IISc., Expert Team

April 04, 2015: Discussion with students seeking support for their innovative & interdisciplinary project

April 06, 2015: Department of MBA organized Guest Lecture on “TQM”. The lecture was delivered by Sri. K.C. Manjunath, Quality Consultant & former General Manager Triveni Engineering

April 08, 2015: Department of MBA organized Guest Lecture on “TQM”. The lecture was delivered by Sri. V.S. Manjunath, Quality Consultant & Director NITTE School of Management
April 08, 2015: Department of MBA organized Industrial Visit to Kolar-Chickkballapur District Co-operative Milk Producers Societies Union Ltd for II Semester students

April 08, 2015: Meeting - 58th and 59th Board of Governors

April 09, 2015: Department of Mechanical Engineering organized Extension Lecture on “Shockwave and its applications”. The lecture was delivered by Dr.K.P.J.Reddy, Professor, Department of Aerospace, Indian Institute of Science, Bengaluru

April 09, 2015: Department of Civil Engineering organized Extension Lecture on “Important Hydraulic Structures in Karnataka”. The lecture was delivered by Sri.R.Cheluvaraju, Chief Engineer, KNNL, Upper Bhadra Project Zone, Chitradurga. The lecture was arranged specifically for the IV semester Civil Engineering students as a part of the core course Hydraulics and Hydraulic Machines.

April 09, 2015: Department of Information science and Engineering organized Two day Workshop on “Ethical hacking & Information Security” from April 9-10, 2015 under TEQIP II
April 10, 2015: Inauguration of BMSCE-Robert Bosch Automotive Electronics Laboratory

April 10, 2015: Department of MBA organized Extension Lecture on “Questionnaire Design”. The lecture was delivered by Sri.C.N.B Rajesh, Adjunct Professor NSOM Bangalore

April 11, 2015: Department of MBA organized Extension Lecture on “Hypothesis Testing”. The lecture was delivered by Dr S. Jeyabalan Savarimuthu, BNMIT

April 11, 2015: VTU Inter-Collegiate Bangalore Central Zone Basket Ball and Kabaddi Tournament

April 13, 2015: Meeting - College Council
April 13, 2015: Preparations for the Inspection by the Expert Committee constituted by the DTE for extension of approval by the Government of Karnataka

April 13, 2015: Department of Telecommunication Engineering organized Industrial Visit to Cisco System India

April 15, 2015: Visit of the Expert Committee constituted by the DTE for inspection with regard to extension of approval of Autonomous Status by the Government of Karnataka

April 15, 2015: Department of Telecommunication Engineering organized Extension Lecture on “TCS Telecom Engineering Capabilities”. The lecture was delivered by Sri. Maddali Hazarath Babu, Senior Manager & Consultant, TCS, Bengaluru
April 15, 2015: Department of Telecommunication Engineering organized IEEE Extension Lecture on “Skill Development Needs in Semiconductor Industry”. The lecture was delivered by Sri.M.S.Damodara, Product Support & Sales Manager, IEEE, Bengaluru

April 16, 2015: Department of Mechanical Engineering in association with ISAMPE-Bangalore Chapter organized a Workshop on “Fabrication, Testing & Qualification of Polymer Composites” under TEQIP II

April 15, 2015: Department of Telecommunication Engineering organized IEEE Extension Lecture on “Skill Development Needs in Semiconductor Industry”. The lecture was delivered by Sri.M.S.Damodara, Product Support & Sales Manager, IEEE, Bengaluru

April 15, 2015: 124th Birthday Celebrations of Bharat Ratna Baba Saheb Dr.B.R.Ambedkar

April 16, 2015: Computer Science Engineering Department agenda regarding RGBSI Quality Life cycle management program
April 16, 2015: Department of Electronics Engineering conducted a Review Meeting on Network Coding for Wireless Mesh Networks

April 16, 2015: BMSCE Aero Space Club participated in the SAE Aero Design West 2015 Competition held at California USA
April 16, 2015: Department of Architecture Student organized Clay Modelling Work Shop for First Year, Paintings Art by Second Year Students & Third Year Students Displayed Bridges Using Building Construction Material

April 16, 2015: Department of Mechanical Engineering organized three day Workshop on “Polymer Composites” from April 16-18, 2015

April 17, 2015: Department of Civil Engineering in association with Centre of Excellence, Department of Civil Engineering, Indian Institute of Technology-Madras, Chennai organized one day National Level Workshop on Emerging Trends in Transportation Engineering and Management (NETTEM) 2015 sponsored by Ministry of Urban Development, Govt. of India, New Delhi & TEQIP II
April 17, 2015: Department of Civil Engineering organized Extension Lecture on “Challenges in Practical Geotechnical Engineering”. The lecture was delivered by Prof. B.R. Srinivasamurthy, Professor, Emeritus, Indian Institute of Science, Bangalore.

April 19, 2015: Whitefield Area Commerce & Industries Association had organized a one day training program for the HR professionals of the member organizations. The Training was held at the seminar hall of WACIA office, White field. There were four sessions in the morning that included a talk on the current challenges faced by the HR professionals, Psychometric tests and the Current trends in Industrial relations.

The first two sessions was led by faculties of the Department of Management Studies Dr. S Nagendra, Dean (Management) and professor followed by Ms. Shaheen Shariff, Assistant Professor, highlighting the top five trends and the challenges the HR. The third session was facilitated by Dr. Shubha Muralidhar, Assistant Professor. She discussed the various tools of psychometrics which the HR professional can use in to increase the productivity. The fourth session was about the latest trend in the Industrial Relations Practices. The session was handled by Dr. S. Nagendra. He pulled the attention of the audience to the paradigm shift in the practices. The training program was well received by the participants.
April 22, 2015: Meeting – HODs Council

April 23, 2015: Technical Evaluation Meeting by Procurement Committee – Centre of Excellence (TEQIP 1.2.1)


The following are the events conducted during the Conference:

April 23, 2015: Interactive session by Prof. Rajanikanth, Former Principal, MSRIT, with the HODs in connection with finalizing rubrics
April 24, 2015: Appointment of HSS faculty under the India Platform initiative. BMSCE is a stake holder member of India Platform (A collaboration of Indian & European Universities)

April 24, 2015: Signed MOU with Central Machine Tool Institute, Bangalore for Research in manufacturing technology, Student Projects and Internships.

April 24, 2015: MES 2015-Meeting with Mr.Harish Hande, Co-founded SELCO for establishing collaboration in setting up of Solar Energy Systems.

April 24, 2015: MES 2015- An opportunity to meet with Saifur Rahman and discuss on the smart grid research

April 24, 2015: MES 2015- with the Co-hosts of MES2015 Sebastian Groh, Jonas van der Straetenn (TU Berlin and Micro energy International)
April 25, 2015: Department of Telecommunication Engineering organized a Farewell function for the 8th semester students

April 25, 2015: Department of MBA organized Extension Lecture on “Corporate scam and its impact on Indian economy”. The lecture was delivered by Smt.Gayathri Vasudevan, Managing Director, Pumpkin Seeds

April 27, 2015: Meeting with Alumni 1965 batch

April 29, 2015: Meeting with Mr. Sanjay Jejurikar, Co-Founder and CEO at InPods Inc, Seattle, USA and his team with regard to establishing a centre of excellence in Engineering Education
April 29, 2015: Department of MBA organized Industrial Visit to MACHO Engineering Industries for IV Semester students.

April 29, 2015: Department of MBA organized Guest Lecture on “Business ethics”. The lecture was delivered by Sri. Abhay Dixit, Welingkar Management School.

Acknowledgements

On behalf of the Management & my personal behalf, I take this opportunity to thank all the Faculty members, Staff members, Students, Alumni and Other Stakeholders for contributing to various academic/administrative activities.

K. Mallikharjuna Babu, Ph.D.
Principal, BMSCE
May 02, 2015: Golden Jubilee Re Union
BMSCE Alumni 1965 Batch; More than 35 alumni with their families met on the campus.

May 04, 2015: Farewell Day - Bidding farewell to the 2104 batch (both UG & PG). The Chief Guest on the occasion was Dr. K. Kesavaswamy, Head - Academic Interface Programme, Tata Consultancy Services

Dr. K. Kesavasamy is working with Tata Consultancy Services since 1995. He is presently the Head of TCS Academic Interface Programme. He had earlier served Indian Space Research Organisation (ISRO) for about a decade, as a Software Scientist. He is a Ph.D. in theoretical physics.


May 02, 2015: HOD Council Meeting to discuss the academic matters
May 04, 2015: Department of MBA organized a Guest Lecture on “Coordination in the supply chain”. The lecture was delivered by Mr. Tareque Laskar, Research Assistant, International Business & Strategy, Fox School of Business, Temple University, USA.

May 04, 2015: "2015 Beauty of Programming" is an annual competition being held by Microsoft Research. It was held at Microsoft research facility in Suzhou, Jiangsu, China. At the India level our 4th semester IS student Chirantan Mahipal went through one level of an online coding competition held on the 4th of May, 2015 conducted nationwide in which he was able to secure the 2nd position making him eligible to be the Indian nominees for the contest to be held in China.

At the finals there were a total of 54 participants (50 China + 2 Japan + 2 India).

May 06, 2015: Department of MCA conducted the second review meeting on Vision, Mission, PEO’s and PO’s for NBA Accreditation.

The meeting was conducted under the expert guidance of Prof Dr K Rajanikanth and with the presence of other reviewers viz., Dr Srinivas Padmanabuni, Giridhar M P, Sandhya Sanjay and MCA faculty members. PO’s for NBA Accreditation was finalized during this meeting.

May 07, 2015: Department of MCA organized Extension Lecture on “Introduction to Business Analytics”.

At this Final round of "2015 Beauty of Programming" Indian team (Chirantan and teammate from Hyderabad) was endowed with the Best Team and also awarded the Best Demo Award.
May 08, 2015: Visit of the COA Inspection Team for continuation of affiliation by the Council of Architecture for both the UG and PG Programs of Architecture.

May 09, 2015: The first Research Colloquium in the department of MBA was conducted in Radhakrishna Hall. Presentation(s) by research scholars-Ms.Mamta, Ms.Prathima Bhat.K and Ms.Reena Das were made. A special Talk by Dr.D.K.Murthy. Professor, NITTE, Bangalore was also organized followed by discussion on research.

May 09, 2015: A Memorandum of Understanding between NoPo Nanotechnologies India Private Limited and BMS College of Engineering signed on 09.05.2015. Mr. Gadhadar Reddy, CEO at NoPO Nanotechnologies India Pvt Ltd is also our Alumnus. For more details on NoPo visit [https://www.youtube.com/watch?v=MdgFujnWrpU](https://www.youtube.com/watch?v=MdgFujnWrpU)

May 09, 2015: Departmental Advisory Board Meeting (DAB) organized by the Telecommunication Engineering. Prof. Lawrence Jenkins is the Chairman of the DAB.
May 11, 2015: Department of MBA organized a Guest Lecture on “Financial Statement Analysis: Looking under the hood”. The lecture was delivered by Mr. Tareque Laskar, Research Assistant, International Business & Strategy, Fox School of Business, Temple University, USA

May 11, 2015: The ICL members of the Department of MCA met Basavanagudi MLA, Sri. Ravi Subramanya in his office on to get inputs for Swachh Bharat app. The discussions were fruitful with the interest shown by Sri. Ravi Subramanya to use the same in Basavanagudi Constituency.

May 12, 2015: Department of Civil Engineering organized a Guest Lecture on “Precast Technology”. The lecture was delivered by Sri. M.G. Ganapati, Vice President, BCV Pvt., Ltd.,

May 12, 2015: A view of one examination hall during the semester end examination (SEE)

May 13, 2015: Joint meeting of BMSCE faculty & industry partner “InPods”– preparation for the establishment of Centre of Excellence in Engineering Education (CEiEE) by BMSCE-IUCEE-InPods.

May 14, 2015: Campus Visit by our distinguished alumnus (1990 CS Batch) - Mrs. Vidhya, Unilever, India

May 15, 2015: Release of novel “BIDUGADE” written by our student Mr. Sandeep Hegde, 4th Year Mechanical Engineering
May 16, 2015: Department of Mechanical Engineering in association with ISAMPE-Bangalore Chapter organized a Workshop on “Fabrication, Testing & Qualification of Polymer Composites” under TEQIP II

May 16, 2015: Department of Electronics Engineering conducted a Review Meeting on Network Coding for Wireless Mesh Networks

May 16, 2015: Greetings by the outgoing batch students of IS Batch

May 18, 2015: Architecture department faculty Asst. Professor Mrs. Sindhu Srikanth and Asst. Professor Ms. Bagyalaxmi discussion with Principal exploring the possibilities on Solid Waste Management for the campus; audit by Saahas (NGO) Pvt. Ltd., Bengaluru.

May 16, 2015: (BMS R&D Centre, Dept. of Physics and Dept. of Chemistry) organized an expert talk by Dr. S.K. Prasad, Senior Scientist, CNSMS, CSIR Laboratory
May 18, 2015: Mr. George Anders while his tour to India, visited BMSCE for his independent research on his story around Engineering Education system in India. He has met various groups of people –Principal, Deans, HODs and students.

May 19, 2015: Meeting with faculty on Curriculum Design and Development - Scheme for third and fourth semester.

May 20, 2015: Our Chemical Engineering Student 2010-2014 - Ms. Varsha Govindarajan received "The Best Outgoing Chemical Engineering Student " from the Indian Institute of Chemical Engineers (IIChe) for the year 2014-15. Hearty Congratulations to Varsha.

The Indian Institute of Chemical Engineers (IIChe) is the professional body for chemical engineers in India. It is headquartered in Kolkata. The organisation has 33 regional centres spread throughout India. The institution's membership comprises academics, professionals from the chemical industry, researchers, and students.

May 19, 2015: Visit of TCS-CEO to BMSCE

May 20, 2015: PhD Thesis Defence by Sri.H.K.Rangavittal, faculty, Department of Mechanical Engineering on Development of Analytical and Boundary Element Solutions for Pin Joints in Composite plates using Inverse Formulation
May 20, 2015:

Prof. H. K. RANGAVITTAL, Associate Professor of Mechanical Engineering has successfully defended his PhD thesis.

His PhD was supervised by Dr. K. Badari Narayana, Dr. A. C. Bhaskar Naidu and Dr. B. S. Suresh.

His PhD was on the “Development of analytical and boundary element solutions for pin joints in composite plates using inverse formulation”

Abstract: Most of contact stress problems like Bolted/pin joints are non-linear in nature since contact area changes with applied load. This moving boundary value problem can be solved by continuum method, Finite Element method and Boundary element method. These joints are still the dominant fastening mechanism used in joining of primary structural parts for advanced composites, but are the potential locations for failure due to stress concentration and thus knowledge of the stress distribution around pin-loaded holes is very useful in carrying out parametric studies, design & analysis and optimization of joint. The literature available on pin joints using continuum, FEM and BEM are plenty, but most of these works have considered push-fit problem which is linear or have solved mis-fit problem by iterative procedure. It is observed that the literature involving analysis of misfit pin joints in composite plate using BEM is scanty and no work with inverse formulation. But inverse formulation is elegant and less time consuming.

The Specific objective of the work is to develop solutions to contact stress problem using Boundary Element Method (ACBMS software) being developed in the research centre. The work involves:

1. Develop analytical solutions to obtain check solutions for two problems

2. Develop Boundary Element solutions for pin joints with idealization of smooth misfit rigid pin in finite orthotropic plate using Inverse formulation and check the results with available literature for the cases of plate and pin loading.

Conclusions have been drawn based on the results obtained.

May 21, 2015: A Memorandum of Understanding between NoPo Nanotechnologies India Private Limited and BMS College of Engineering signed on 09.05.2015
Gadhadar Reddy, CEO at NoPO Nanotechnologies India Pvt Ltd is our Alumnus

https://www.youtube.com/watch?v=MdgFujnWrpU

May 22, 2015: Mr. N K Mohapatra, CEO, ESSCI and Mr. Ravishankar Ganesan from Ittiam visited BMSCE to review the progress of COE.

Background: Electronics Sector Skills Council of India (ESSCI) and BMSCE jointly establishing a Centre of Excellence (COE) to operate in Bangalore at BMSCE.

May 21, 2015: Department of Computer Applications organized a Workshop on “Course Outcome”. Prof. Dr K. Rajanikanth, Former Principal, MSRIT was the Resource person for the workshop.

This COE will showcase latest facilities for training the students for Semiconductor design, embedded design and Internet of Things (IOT) as per National Occupational Standards (NOS). The main focus will be to train the trainers to facilitate sufficient capacity of trained trainers at multiple locations.
May 22, 2015: BMSCE Sports Teams won laurels during the even semester 2014-15

May 23, 2015: Visit of our distinguished alumni Shri. CHACKO from 1958 batch (Civil Engineering)

May 23, 2015: The 9th brainstorm session on Curriculum Design and Development held on 23.05.2015 at 11.30 am in TEQIP-II conference hall.

May 24, 2015: Technology Hacks for Universal Accessibility: Brain Storming on Making Life Easier for differently abled; the programme organised by the Medical Electronics Department

May 25, 2015: Technology Hacks for Universal Accessibility: Brain Storming on Making Life Easier for differently abled; the programme organised by the Medical Electronics Department

May 25, 2015: Architecture department facilitated the students who have successfully completed the Revit Workshop.

May 25, 2015: Regarding Virtual Lab Nodal Centre- BMSCE has been designated as virtual lab nodal centre by the College of Engineering, Pune.
May 25, 2015: Dean’s Council meeting held to discuss on the fast track semester.


This initiative is a part of the “National Mission on Education through ICT” which is supported by MHRD Govt. of India.

May 26, 2015: First meeting of the IQAC departmental coordinators to discuss the Quality Practices to be adopted at BMSCE

May 26, 2015: Feedback counselling of faculty; one more counselling session was conducted on May 28, 2015.

May 27, 2015: Department of Telecommunication Engineering organized One Week Workshop on “Introduction to Lab View & Multisim” from 27 May to 01 June, 2015.

May 27, 2015: The 3rd and revised edition of the Book titled as "ANALOG & MIXED MODE VLSI DESIGN" authored by our Electronics faculty “Dr. R. Jayagowri” is published by Sapna Publishers, Bengaluru.

May 29, 2015: Department of Electrical Engineering organized One Day Interactive Program on “Sustainability and Social Innovation” under TEQIP II in association with IEEE-SSIT-ES Joint Chapter Bangalore Section and SELCO Foundation as a part of Propel Lab 6 initiative on "Renewable Energy and Sustainable Development".
May 29, 2015: HODs meeting to discuss on the modalities of Fast Track Semester and also the formation of Departmental Advisory Board.

May 29, 2015: Department of IEM conducted their final year student Projects Exhibition for evaluating the best three projects for the year.

May 29, 2015: Meeting with the Staff of Mechanical Engineering: discussion on the strategies to be adopted for improving the skills of the technical staff to provide better service student during training in the labs.
May 29, 2015: Meeting at Vidhana Soudha on release e-new letter by the Higher Education Council

May 30, 2015: College Council meeting held to discuss on the LIC of VTU visit and preparations to be made by the concerned departments.

Acknowledgements

On behalf of the Management & my personal behalf, I take this opportunity to thank all the Faculty members, Staff members, Students, Alumni and Other Stakeholders for contributing to various academic/ administrative activities.

K. Mallikharjuna Babu, Ph.D.
PRINCIPAL, BMSCE
June 01: The Department of Mechanical Engineering organised a Two day staff development programme (SDP) on skills improvement for Technical Staff of the department;

June 01: Inaugural function of Value added Course on Project Based Learning (PBL) Unified Technology Learning Platform

June 01: College Council Meeting to review the preparedness of departments for VTU-LIC Visit

June 3, 2015: Prof. Venkatesh of IIT, Kanpur visited the campus. During his visit, he offered two months internship for two students (INTN & ML). Provided opportunity to two students to work in his Lab at IIT, Kanpur
June 4, 2015: Department of Chemical Engineering had a Curriculum Development meeting with Mr. Manjunath, Yokogawa Technical School, Bengaluru.

June 4, 2015: Department of Telecommunication Engineering organized a Workshop on Lab View for the First Year students during the Semester break. 36 students from various branches participated in the workshop. National Instruments supported this event through ONE Expert Lecture, Software for the Students (for their personal systems), and Free registration for CLAD examination.

June 4, 2015: Department of MBA organized Industrial Visit to Toyota Kirloskar for IV Semester MBA students.

June 04: The Local Inquiry Committee of VTU visited the College for inspection; During the course of the visit, the Chairman & members of the committee met our Hon’ble Donor Trustee.

The committee visited the central facilities.

June 05: Press Conference for IACC International Conference (third one among the seven proposed to be organised to commemorate the 70 years celebrations.)
June 5, 2015: Department of Mechanical Engineering organized two day workshop of Curriculum Design & Development

June 06: Rahul Sharma, student of Instrumentation Technology became a recipient ISA’s Celebrating Excellence Member’s Choice Award for Section Leader of the Year 2015. He secured this aware by securing majority of votes from a body of peers. The Award presentations will be made at the 53rd Annual ISA Honors & Awards Gala, 11 October 2015, at the Louisville Marriott Downtown, Louisville, Kentucky, USA. The Honors & Awards Gala is ISA’s opportunity to recognize and express appreciation for outstanding achievements and contributions to the automation community.
June 06: The Principal visited to IITB to take part in the consultation Conclave on Blended MOOCs. On the sidelines of the conclave, had productive discussion with our Ashwith Rego and the MOOCs team at IITB.

June 06: 2015 HOD Council meeting on Phase Shift

June 6, 2015: Faculty members participated in Public Awareness Program organized by the Railway Department

June 6, 2015: Department of MBA organized Industrial Visit to Railway Department – Bangalore for the benefit of II Semester MBA students

June 8, 2015: An article submitted by the Principal has been published in the Journal of Engineering Education & Technology (JEET) as Guest Editorial

June 08: 2015 Dept. EEE Meeting on Ansys Software by Coreel Technologies
June 09: BOS on Mechanical Engineering

June 10: Medical Electronics Dept Organised Centre for Innovation in Medical Electronics (CIME). “CALL FOR INTERNSHIPS” An introductory session of its various incubates offering an opportunity for an internship CIME

June 10: ISR-Construction of Toilet Block at Dodda Basti School

June 10, 2015: Department of Telecommunication Engineering organized a Guest Lecture on “Self Development through Meditation”. The lecture was delivered by Dr. Mohandas Hegde, Director, CREST, Bangalore

June 10: Prof. L. Ravi Kumar, HOD of ME nominated as member Institute Management Committee – Foremen Training Institute, Bengaluru.

June 11: TE Department students has won All-India Essay Writing Event 2014 organized by Shri Ram Chandra mission in collaboration with the United Nations information centre for India and Bhutan

June 11: Review of preparations for the IACC conference by the Donor Trustee.

June 11, 2015: Department of Mechanical Engineering organized a technical talk on “Skill Development in India” under TEQIP II. The talk was delivered by Major General (Retd.) Prabal Sen, Project Head,
June 13: BMSCE hosted IUCEE-IGIP Engineering Educators Certification Programme (14.06.2015 to 17.06.2015);

June 13 to 17: IUCEE International Engineering Educator Certification Program: This Certification Program was delivered in a blended format, including face-to-face sessions, as well as asynchronous on-line modules coupled with regular synchronous on-line sessions. Six of our faculty (Dr.Uma Devi-CS; Dr.Shambahvi-IS; Dr.Sudhindra-EC; Reshmi Devi CV; Dr.Manisha Joshi ML and M.Gururaj-TE) have successfully completed the program.

The face-to-face sessions of the programme were hosted by BMSCE.


June 15, 2015: One day Workshop on “ARM Micro-Controller and its Application at Propel Lab-I (Robotics & Embedded...
System Lab)”. Sri. Harish V Mekali, Assistant Professor, Department of Electronics Engineering is the resource person.

**June 15:** Students undergoing training in ARM technology offered by Prof. Harish Mekali. A value added program for the students.

**June 16, 2015:** Memorandum of Understanding between Gothenburg University, Sweden & BMS College of Engineering.

**June 17:** EDC Program.

**June 18:** The BOS meeting of the Dept. of CV was held on June 18 - Scheme from 3rd to 8th Sem and syllabus for 3rd and 4th sem were deliberated.
June 18, 2015: Prof. Lachezar Komitov, Gothenburg University visited the Department of Chemistry

June 19, 2015: Smt. Smitha V Shenoy faculty, Department of MBA attended Summer School on “Empirical Finance & Accounting Research from May 01-09, 2015 organized by the Financial Research and Trading Laboratory (FRTL) of IIM Calcutta. She made a presentation on 19.06.2015 and briefed about the program - It was a fully residential Programme which gave exposure to participants to ten classic papers published in top Management journals. These papers were drawn from five broad topics in the area of empirical finance and accounting. She also briefed about the FRTL at IIMC and their infrastructure to run such a program


June 23, 2015: Video Conferencing Session of Principal Secretary, Higher Education and the TEQIP Colleges was held in the Campus
June 23: Meeting with the faculty to discuss regarding the Blended MOOCs initiative by the IIT BombayX programme. BMSCE is one of the 50 institutions participating in this unique and first of its kind programme initiated by IIT Bombay.

June 24: Department of TCE and Department of EEE organised Value added course on Project based learning using UTLP kits. The duration of the course was of three weeks. Mid evaluation of the project work was held on 24-06-2015. Mr. Hemachandra Bhat from WIPRO evaluated 18 student projects.

IFEES and GEDC communities Our SPEED leaders and students are developing a cutting edge program. Warm personal regards, Han

June 26: 9th Academic Council Meeting
**June 28:** Principal participated in Melton Foundation BOD Meeting-Q2.

**June 28:** BMSCE Medical Electronics Team won CAMTech Jugaadathon 2015 GE challenge

Hearty Congratulation to the members of the Team & also its mentor Abhishek Appaji M

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**Acknowledgements**

*On behalf of the Management & my personal behalf, I take this opportunity to thank all the Faculty members, Staff members, Students, Alumni and Other Stakeholders for contributing to various academic/administrative activities.*

K. Mallikharjuna Babu, Ph.D.
PRINCIPAL, BMSCE
July 1, 2015: Department of Electronics & Instrumentation Engineering Faculty Meeting to discuss syllabus revision for 3rd & 4th Semesters; subject allocation and self-study evaluation criteria and formation of various committees.

July 1, 2015: BMSCE- Institute Social Responsibility (ISR) Activity: Distribution of Uniforms to School Children (8, 9 & 10th Standards). Under the kind guidance of our beloved Management, BMSCE adopted two Government Schools one in Yediyur and the other in Dodda Basti.

July 2, 2015: Curriculum Design & Development brainstorm session-putting all energies/efforts to make BMSCE higher semester curriculum on innovative -focused on student centric learning and skill development.

July 2, 2015: Department of Industrial Engineering & Management organized Alumni meet of their 1990 batch in association with the BMSCE Alumni Network.

July 2, 2015: Dr.K.J.Rathanraj, Professor & HoD and Smt.N.Kavitha Rani, faculty, Department of Industrial Engineering & Management attended the “Certified Six Sigma Green Belt Training” organized by the Ministry of Micro, Small and Medium Enterprises, Govt. of India held at MSME Development Institute, Rajajinagar Industrial Area, Bengaluru from July 13-17, 2015.
July 3, 2015: Release of BMSCE Quarterly Activity Report Book by our beloved Donor Trustee Madam - Dr. Ragini Narayan

June 4, 2015: Campus Placements; advance Congratulations to all the aspiring young ones and wish their dreams come true.

July 3, 2015: The faculty members of the Department of Computer Applications participated in the Digital India Week organized by IIT-Bombay.
July 4, 2015: Dr. Santosh Desai & Smt. Veena Hegde, Faculty and Ms. K.S. Ramya & Ms. Vismitha, Students, Department of Electronics & Instrumentation Engineering visited IIT, Kanpur from July 4-16, 2015. They had discussions with Prof. Venkatesh, Department of Electrical Engineering, IIT, Kanpur.

July 7, 2015: Few Deans & HODs visited IIM, Ahmedabad to discuss about the courses to be introduced and electives to be offered to B.E. and MBA.

July 8, 2015: Education is the best gift you can give it to others. Some of the BMSCians reached out to the students of Kamla Nehru Pathshala, teaching them art and dance (Via Melton Foundation, BMSCE)
July 9, 2015: Meeting with Prof. Krishna Vedula, IUCEE, to discuss on establishing BMS Center of Excellence in Engineering Education

July 9, 2015: Department of Computer Applications in association with IIT-Bombay organized a First A-view session on Blended MOOCs

July 10, 2015: Dr. N. Kayarvizhy and Smt. K. Panimozhi, faculty, Department of Computer Science attended a workshop on “Intellectual Property Rights” from July 10-11, 2015 at VTU, Belagavi.

July 10, 2015: Innovation Cluster Lab (ICL) of Department of Computer Application developed an app for IEEE Connect 2015 conference
July 10, 2015: Department of Electronics Engineering - Centre of Excellence and Innovation

July 10, 2015: Meeting with our patent attorney

July 11, 2015: Dr. D. N. Sujatha, Professor & Head, Department of Computer Applications attended a meeting in BOS & Academic Advisory Committee, Department of MCA, Dayananda Sagar College of Engineering, Bengaluru.

July 11, 2015: Department of Biotechnology organized a Stake holders meet for discussion on PEOs, POs and Curriculum of B.E. Biotechnology. Dr. Ravinath Shetty and Dr. Bharath from Cipla, Dr. Prashanth Naik from Cleanergics, Dr. S. Prasad from Anthem Biosciences and Prof. Chidananda Sharma from Department of Biotechnology, Bangalore University participated along with alumni, students and faculty members.
July 11, 2015: 15th meeting of the BOG Subcommittee of TEQIP-II

July 12, 2015: BMSCE- Institute Social Responsibility (ISR) Activity2: Construction of Toilet (in progress) and distribution of Uniforms to School Children (1 to 5 Standard Students). Under the kind guidance of our beloved Management, BMSCE has adopted two Government Schools one in Yediyur and the other in Dodda Basti. This is the Government School in Dodda Basti (near Jnana Bharthi)

July 13, 2015: Meeting with Deans and HODs with regard to organizing one day workshop in association with Automation Industry Association (AIA) – Make in India Programme

July 13, 2015: Dr.H.S.Guruprasad, Professor & Head of the Department of Computer Science delivered a lecture in the Faculty Development Programme on “Cloud Computing” at Rao Bahadur Y. Mahabaleshwarappa Engineering College, Bellary.

July 13, 2015: Department of Medical Electronics invited Sri. Ramjee Pattella, Chief Manager Grant Management Division, IKP for the BIRAC Grant Management of the OCSD project

July 14, 2015: Department of Electrical & Telecommunication Engineering organized Valedictory function of Value Added Course on “Project Based Learning using UTLP Kit”

The Outcomes are:

This course is focused on PBL which is part of OBE and contributes for graduate attributes.

The good results obtained after implementation of innovative ideas on UTLP kits are published in reputed journals/conference
July 14, 2015: Smt. S.R. Reeja, Associate Professor, Department of CSE and Sri. J. Sathyendra Bhat, Department of MCA, St. Joseph Engineering College, Mangalore visited the Department of Computer Science and interacted with the HOD and faculty to find out the best practices adopted for teaching in the department. HOD and faculty shared the teaching-learning practices, Computing & Laboratory facilities of the department were also shown to the guests.

July 15, 2015: Dr. D. Seshachalam, Professor & HOD, Department of Electronics Engineering attended training on "Management capacity enhancement programme" at IIM, Indore from July 15-23, 2015 under TEQIP.

July 15, 2015: Department of Biotechnology convened a meeting with Mr. Vinod, from Scrodinger company to discuss on Inputs of Bioinformatics & BCA courses.

July 15, 2015: Our Principal Dr. K Mallikharjuna Babu - column in Careers 360

July 16, 2015: HoDs Council Meeting
July 16, 2015: Department of Mechanical Engineering organized One day Workshop on “Assessment of quality of Teaching Learning Process”.

July 16, 2015: Department of Civil Engineering organized a departmental brainstorming session on CDD for PG programs - Construction Technology, Environmental Engineering and Transportation Engineering & Management. Several PG faculty members from each program presented the CO, PO mapping for their respective courses and were discussed in detail. The session has been held in view of the likely autonomy to PG programs.

July 16, 2015: Dr. K. Guruprasad, Dean (Mechanical) attended Management Capacity Enhancement Program from July 16-22, 2015 at IIM, Indore.

July 17, 2015: HOD & Faculty, Department of Electronics & Instrumentation Engineering had discussions with Industry Team from Yokogowa, Bengaluru for introduction of courses like Information Technology in Industrial automation (ITiIA) and specialized courses for allied branches students to improve the placement and internship opportunities in core industries.
July 20, 2015: One Day IUCEE Workshop on “Integrating Projects and Design into Core Engineering Courses: Enhancing Learning and Preparing Professionals” was organized in the Campus. The lecture was delivered by Prof. Bill Oakes, Director EPICS, Purdue University. Faculty members from our institution and other institutions participated in the Workshop.

July 20, 2015: International Conference on Chemical and Biochemical Engineering scheduled in Paris from July 20-22, 2015:

The paper titled “Study on Living Bioreactors in Nature” submitted by Dr. G. N. Rameshaiah, faculty, Department of Chemical Engineering was accepted and published.

The paper titled “Studies on volumetric oxygen coefficient during enzymatic hydrolysis of chitin using filamentous fungi - Trichoderma harzianum” submitted by Dr.G.N.Rameshaiah and Smt.Y.K.Suneetha, Faculty members, Department of Chemical Engineering was published.
Dr. G. N. Rameshaiah, faculty, Department of Chemical Engineering was a scientific committee member for International Conference on Chemical and Biochemical Engineering

**July 20, 2015:** Mr. Harish V. Mekali, faculty, Department of Electronics Engineering, was permitted to visit College of Engineering, Pune, from July 20-21, 2015 to learn existing model to improve our facilities in BMSCE.

**July 20, 2015:** Department of Electronics Engineering organized Faculty Development Programme on “VLSI Verification (QP # ELE / Q1301) from July 20 - August 1, 2015. Resource Persons were Mr. Santosh Krishna & Mr. Hridesh, SEER AKADEMI, Hyderabad.

**July 20, 2015:** Dr.N.Kayarvizhy and Smt.G.S.Rekha, faculty, Department of Computer Science attended a workshop on “Machine Intelligence and Image Processing” from July 20-24, 2015 at SJBIT, Bengaluru.

**July 20, 2015:** Sri.K.Panimozhi and Smt.Antara De, faculty, Department of Computer Science attended a workshop on “Network Simulators in Research Prospective” from July 20-24, 2015 at Govt. SKSJ Technological Institute, Bengaluru.

**July 20, 2015:** Department of Medical Electronics invited Dr.Lazar Mathew, Advisor, Medical Sciences, Engineering & Technology, PSG Institute of Advanced Studies, Coimbatore for collaborative research. The participants were professors from six departments of the Institution and discussion was mainly based on development of Centre for Health Technologies.

**July 21, 2015:** National Board of Accreditation & Visvesvaraya Technological University conducted One Day Workshop on “Outcome Based Education and Accreditation” in the Campus. Faculty members from our institution and other institutions participated in the Workshop.
About 500 participants from various colleges across Karnataka participated in the programme. The program gave an overview of the entire NBA process and also provided clarity with regard to why NBA is needed. The Chairperson of NBA Dr. Surendra Prasad addressed the gathering and there were couple of key resource persons who shared their thoughts along with him who were also members of the NBA General Council. Towards the end they had a brief Q&A session and made an effort to briefly answer most of the queries posted by the participants. They also encouraged all of us to write to the mail id mentioned in the website on related queries and promised to reply. The major focus was OBE in Engineering despite it was helpful for us to get a perspective of NBA.

**July 22, 2015:** Department of Kannada & Culture will be promoting a software developed by a private industry in association with the BMSCE students. This is related to the enhancement/propagation of kannada in Engineering Colleges. The final year students of Electronics and Computer Science Engineering of BMSCE have come forward to develop this Optical Character Recognizer (OCR) technology in kannada.

**July 21, 2015:** Dr D. N. Sujatha, Professor & Head, Department of Computer Applications attended an Academic Leadership Workshop organized for Heads of the Department at WIPRO Technologies, Bengaluru, from July 21-24, 2015.
July 23, 2015: Department of Electrical Engineering had an interaction with Bosch for Joint Projects

July 23: Commencement of First Year Admission for the academic year 2015-16

July 23 : Preceding meeting of Graduation Day


July 23, 2015: Meeting with WIKSATE Development Team as how to implement social learning on the campus

July 24, 2015: Department of Electrical Engineering organized One week Faculty Development Program on "Design, Analysis and Implementation of Power Electronic Circuits" from July 20-24, 2015 under TEQIP II. Valedictory function was held on 24th July2015

July 24, 2015: Sri.R.Suresh Kumar, faculty, Department of Mechanical Engineering was invited to conduct External Audit of NBA for Mechanical Engineering programme at B.N.M Institute of Technology, Bengaluru

July 24, 2015: Department of Computer Science organized Alumni Meet of 1986-1990 batch of Computer Science. The Alumni Meet was arranged as an initiative to contribute to BMSCE by means of delivering guest lecturers or arranging workshops or providing student internships or funding/sponsorship, etc.
July 25, 2015: Department of Medical Electronics organized “b-eCare 2015: International Conference on Predictive and Preventive Health Technologies”, from July 25-28, 2015, under TEQIP-II

July 26, 2015: IEEE EMBS Preconference workshop by Aventyn Inc, USA on “Digital Healthcare”

July 26, 2015: IEEE EMBS Preconference workshop by InnAccel on “Medtech Innovation-Bench to bedside”
July 26, 2015: IEEE EMBS Preconference event by Special Interest group on “In Vivo Assessment of Retinal Vessel Oxygen Saturation - Future Landscape” by Dr Rupesh Agrawal, Ten Tock Seng Hospital, Singapore


July 27, 2015: (Day 3) Visit to Centre for Innovation in medical Electronics (CIME), BMSCE by Hon’ble Minister for Health & Family Welfare Sri.U.T.Khader

July 27, 2015: (Day 3) Visit to Centre for Innovation in medical Electronics (CIME), BMSCE by Prof Dr H P Kincha, Chairman, Karnataka State Innovation Council (KSIC) & Ex- Vice Chancellor, Visvesvarya Technology University, Belagavi
July 27, 2015: (Day 3)  Sessions by experts

July 25, 2015: The School of Construction Management Excellence (an ANP CPMC Initiative) organized One Day National Conference “WeCaN” Women Engineers’ Conference and Network – Building and Infrastructure at Atria Hotel, Bengaluru. Ms.B.Ranganayakamma, the first Woman Engineer was the Chief Guest and Ms.Sudha Murthy Chairperson, Infosys Foundation was the Keynote Speaker. Dr.S.Raghunath, Professor, Department of Civil Engineering, was one of the Speaker in the said Conference.

July 25, 2015: Sri.Reddy Naik & Ms.Disha M Nayak, faculty, Department of Industrial Engineering & Management attended “Certified Six Sigma Green Belt Training” organized by the Ministry of Micro, Small and Medium Enterprises (Agra), Govt. of India held at MSME Development Institute, Bengaluru from July 25 – August 2, 2015.

July 28, 2015: (Day 4)  Talk by Experts

July 25, 2015: Visvesvaraya Technological University organized an “Awareness Programme about the plagiarism and process adopted at VTU” in respect of plagiarism check for PhD thesis at SJB Institute of Technology, Bengaluru. Few BMSCE faculty members attended the programme.
July 26, 2015: Third Graduation Day was held in the Campus for awarding Degree Certificates to the third autonomous batch of Engineering Graduates (2010-2014) and the second autonomous batch of Architecture Graduates (2009-2014). Hon’ble Dr. H. Maheshappa, Vice Chancellor, VTU, Belagavi was the Chief Guest.

July 27: Application of Remote Sensing & GIS for Natural Resources conducted By IIRS

July 27, 2015: Stakeholder meeting of India Platform with Prof. Balagangadhara, India Platform
**July 27, 2015:** Inauguration of India Platform Office

**July 27, 2015:** Dr. Veena M.B. & Smt. Lalitha S. faculty, Department of Electronics Engineering attended one week Workshop on "Current Trends in Digital Image Processing Techniques and applications" at NIE, Mysore from July 27-31, 2015 under TEQIP


**July 27, 2015:** Dr. K.J. Rathanraj, Professor and Hod of IEM and Dr. S. Girish, Professor, Department of Civil Engineering attended “Management Capacity Enhancement Program for Administrators” organized by The National Project Implementation Unit (NPIU) in association with IIM Lucknow (Noida Campus) from July 27-31, 2015

**July 27, 2015:** Congratulating Priyanka Kaliwal (Second from left) of BMSCE, Electrical Department, on being the WINNER of South Regional Rounds of the IET India Scholarship Award. She has been further nominated to contest in National Round. We wish her Good luck for next levels and congratulate her for this win.

The IET India Scholarship is a Prestige Award that has been designed to reward and celebrate creativity, excellence, innovation and leadership among undergraduate engineering students.
July 29, 2015: Department of Chemical Engineering signed an MoU with Yokogawa India limited, Bangalore:

The MOU signed by the institute with industry would help to bridge the gap between the two organizations to shoulder the tasks and perform well to achieve the intended purposes. BMS College of Engineering and Yokogawa India Limited have jointly agreed to work together to offer Industry Oriented training program to BMS students on BMS Campus. This association will be developed further in future to partner and collaborate to offer Industry Oriented training programs to BMS students and outside participants, on BMS Campus. They are ready to provide training and placement, internships for Chemical Engineering students.

July 29, 2015: Cerner (Internship & offer) Recruitment was scheduled in the Campus. In this regard Placement Coordinator, Department of Computer Applications organized interactive session about Cerner recruitment process, expectations of Cerner for MCA students with Alumni Students currently working with Cerner.

July 29, 2015: IQAC Cell organized one day Workshop on “AAT for Self Study Component”. Resource persons were Dr. Rajnikanth (former Principal and HOD, CSE, MSRIT, Bangalore) and Dr. Rao (IISc, Bangalore).
July 29, 2015: Indian Technology Congress 2015 an International conference conducted at NIMHANS Convention Centre Bengaluru from July 29 -30, 2015:

The Selection Committee of the Indian Technology Awards 2015 has conferred Dr.K.Mallikharjuna Babu with “Technology Excellence Award – Contributions to Engineering Education and Research”. The award was presented during the inaugural session of the Indian Technology Congress International conference 2015

The conference themed on Transforming India as global Engineering & Technology Hub – Prospect and Pathways. The conference had many eminent personalities in technology area and academicians as speakers and delegates. The main focus of conference was on Make in India, Rail and road safety, Internet and bio technology

Dr.D.N.Sujatha Professor & Head and Smt.V.Padmapriya, faculty, Department of Computer Applications presented a paper titled “A Futuristic approach for secure advertisement distribution in VANET”.

July 30, 2015: Department of Electronics Engineering organized Three Day Workshop on “Introduction to working with MATLAB” for students (particularly for III Semester students) from July 30 – August 1, 2015. Speakers were from M/s.CoreEL Technologies (I) Pvt. Ltd.

July 30, 2015: Mr.Harish V. Mekali, faculty, Department of Electronics Engineering was conducted a Two Day Workshop on "Arm Processors Controllers and Its Applications" for 7th Semester students from July 30-31, 2015 at Agadi College of Engineering, Laxmeshwar.


July 31, 2015: Dr.Meera A, faculty, Department of Electronics Engineering was invited as Resource person for Workshop on “Current Trends in Digital Image Processing Techniques & Applications” at The National Institute of Engineering, Mysore.

July 31, 2015: Dr D.N. Sujatha, Professor & Head, & Dr.K.Vijayakumar K, faculty, Department of Computer Applications attended the Tech Session on “Internet of Things” organized by Altimetric in association with NASSCOM at Altimetrik campus, Global Tech Village, Bengaluru. A Series of lectures and Panel discussion were conducted by Industry Heads.

July 31, 2015: Department of Telecommunication Engineering organized training for INPODS Software to facilitate OBE Techniques in classroom. Few faculty members attended the training.
REPORT ON THE
THIRD GRADUATION DAY

The Third graduation day was solemnised on the Sunday, 26th July 2015. The Chief Guest for the event was Dr. H. Maheshappa, Hon’ble Vice Chancellor, Visvesvaraya Technological University, Belgavi. Dr. H. Maheshappa, delivered the graduation address on this eventful day. Dr. Dayanand Pai, Chairman, BOG, BMSCE, presided over the function. The Guests of Honour for the day included Dr. B S Ragini Narayan, Donor Trustee & Member Secretary, and Sri. K. Jairaj, IAS (Retd.), Trustee-BMS Educational Trust.

Core Committee of the third graduation day constituted of the following members:
Dr. S. Nagendra- Dean - Management Chairman
Dr. K Guruprasad, Dean-Mechanical,
Dr. M Ramachandra, Prof., Mechanical Engineering Dept.,
Dr. Krishnappa Olekar, Asst. Prof., Civil Engineering Dept.,
Prof. Shantaram, Associate Prof., Electrical Engg., Dept.,
Prof. Prathima Bhat K, Asst., Prof., MBA Dept.,
Dr. Shambhavi, Associate Prof., ISE Dept.,
Dr. Shubha Muralidhar, Asst., Prof., MBA Dept.,
Prof. Sridhar H R, Asst., Prof., MBA Dept.,
Prof. Ganesh Kumar, Asst., Prof., MBA Dept.,
Prof. Srikanth, Asst., Prof., Mechanical Engineering Dept.,
Prof Raghavendra Rao, Asst., Prof., MCA Dept.
Ms. Annette Jacinta, Asst. Alumni Relations Manage, BMSCE

Apart from the core committee members, more than 120 members across the college from various departments, both teaching as well as non-teaching staff were involved in the Graduation day activities. They were responsible for arranging the degree certificates in an order, taking stock of the number of students who will be present on the day of graduation and finally coordinating with the committee to make it a grand success for the third consecutive time.

The Graduation day started with a procession of the BOS/BOE chairs, Members of Academic council, Members of Deans Council, Members of the BOG, Council of Trustees, Principal, Chief Guest and our Donor trustee, Dr. B S Ragini Narayan. The procession was led by the Controller of Examinations.

The event started at sharp 10 am with the opening remarks by Dr. K Mallikhajuna Babu, Principal, BMSCE.
The Chief Guest for the day was introduced by Dr. S Nagendra, Dean-Management and the Chairman was introduced by Dr. Shubha Muralidhar, Asst. Prof., MBA Dept. to the august gathering. Dr. P Dayanand Pai, Chairman, BOG, BMSCE, declared the graduation day open. Dr. Vinod Aralimatti, COE, proposed that 935 students from both Engineering and Architecture disciplines can be awarded the degree.

Dr. Ravishankar Dheekshit, Dean Academics invited the rank holders to receive their certificate from the Chief Guest.

After the awards, the Graduates had to take an oath administered by the Principal. The Graduation day was declared dissolved by the Chairman.

The event was flawless and feast to watch as the graduates received their degrees. The day ended with sumptuous lunch which was enjoyed by one and all.
BMS COLLEGE OF ENGINEERING
BANGALORE
STATUS REPORT ON THE IMPLEMENTATION OF STRATEGIC PLAN
Submitted on 30.06.2015

STG-1
GET PERMANENT AFFILIATION FOR ALL ELIGIBLE PROGRAMS
• Currently all the eligible programmes except for M.Arch (Habitat Design) have been accorded the status of Permanent Affiliation by the VTU (Period 2013-14 to 2017-18). For the Year 2015-16 the Institution has sought Permanent Affiliation Status to M.Arch – Habitat Design Programme. The VTU LIC Committee Visited the Institution on 04.06.2015 and the report in this regard is awaited.

STG-2
GET ACADEMIC AUTONOMY FOR PG PROGRAMS
The University (VTU) through letter No.VTU/Aca/2014-15/A-11 dated 08.05.2015 has forwarded our application seeking extension of Autonomy (PG Programmes) to UGC, New Delhi. Approval from UGC is awaited. In the meantime, the Principal during his recent visit to Delhi, visited the UGC office to ascertain the status of our application and requested for speedy and favorable consideration. In response to our proposal, the visit of the UGC Expert Committee is awaited.

STG-3
STRENGTHEN THE CAMPUS FACILITY
• Additional floor on Telecom block (95% work completed)
• Construction of a three Research Labs under centre of Excellence (Advanced Materials) have been established and one is under process.
• Installation of lifts(MCA) Civil Works under final stage
• 6th Floor CS Lab is under renovation
• MCA block construction completed
• VLSI Lab at 3rd Floor of EC Block construction completed

• Procured virtualization software worth Rs.30.00 Lakhs for Data Centre to extend high-end server facility to the departments.
• Procured Turnit software worth Rs.3.00 Lakhs for plagiarism check provided to Data Centre
• Proposal : Implement comprehensive e-Learning solution of automatic recording and distribution of class lectures in all the departments.
**STG-4**
**IMPROVE TEACHING LEARNING PROCESS**
- Blended MOOCs with IIT Mumbai
- Value added courses
- Alternate Assessment Tools
- Self Study component
- Course Projects
- Open Ended experiments
- Technical Seminars using innovative techniques
- Course End Survey & evaluation of course attainment to improve monitoring the students performance

**STG-4**
**IMPROVE TEACHING LEARNING PROCESS**
- Activity based learning
- Course base learning
- Co-Operative learning
- Journal Paper reviews
- Communication skills as an assessment tool
- Reciprocal learning etc.,

Proposal: Implement comprehensive e-Learning solution of automatic recording and distribution of class lectures in all the departments.

**STG-5**
**ENHANCE THE OUTPUT IN RESEARCH AND CONSULTANCY**
- Dr. K. L. Nagashree received a VGST grant of Rs.4.00 Lakhs
- 35 scholars registered for Ph.D
- 22 New R&D project proposals submitted
- Prof. Komioy of Gutenberg University-Sweden visited the campus on 18.06.2015 to explore the possibility of having collaborative research projects with basic science departments
- Research Publications by faculty (across Depts.)
- Micro devices lab worth Rs.18.90 Lakhs under DST project completed (EE)

**STG-5**
**ENHANCE THE OUTPUT IN RESEARCH AND CONSULTANCY**
- Quarterly research colloquium conducted for the benefit of research scholars on 09.05.2015
- Expert lecture conducted by department of MBA to provide research inputs to this scholars
- Set up of Micro devices lab worth Rs.18.90 Lakhs under DST project is completed (EE)
- Joint research publication - Dr.B Kanmani, Shreenivas B (TCE) & Mukesh Soni (Tektronix) on online course ware
- The first research Colloquium was conducted by the department of MBA

**STG-6**
**ENHANCE THE INDUSTRY – INSTITUTE COLLABORATIONS**
- IEEE International conference in collaboration with IEEE and leading IT industries such as Extreme Network, RUCKUS wireless, IBM
- MOU with M/s. Elhipsonic Pvt. Ltd., (CSE)
- MOU with NoPO Pvt. Ltd.,
- Industrial visits
- Invited/Guest/Expert Lectures by Industrial Experts
- Syllabus discussions with industry advisory board (Intn.)

**STG-6**
**ENHANCE THE INDUSTRY – INSTITUTE COLLABORATIONS**
- One week value added programme on “Introducing Multisim and Labview”, One month value added programme on “Project Based Learning” in association with Wipro (TCE)
- Expert lectures/industrial visits/site visits/ study tours/vacation assignments in collaboration with industry (AT)
- Curriculum design workshops & BOS meetings with industry participation (across Depts.)
- Joint meeting with industry partner “InPods” towards establishing COE in engineering education
The Management has decided not to seek any new variations for the Academic Year 2015-16. Accordingly no new variation of intake is being sought.

**STG-8**

**INTRODUCE MULTI DISCIPLINARY COURSES/PROJECTS**

**INTRODUCE MULTIDISCIPLINARY COURSES**

(Clusters approach)

- Joint Student Internships (INT)
- Multi Disciplinary project at IIisc-Bengaluru (BT)
- Offered cluster core courses and cluster elective courses common to EE/EC/TCE/IT/ML (by EE)
- Implementation of Mini-Projects as part of AAT (EE)
- Inter disciplinary M.tech project by faculty of CH with CV dept. (CH)

**STG-9**

**BRING IN INNOVATION AND CREATIVITY**

- Propel Lab-6: Planned to procure two units of 3KW capacity solar and electricity generator with storage device
- Proposal : Design and construction of 6 Axis Linear Robot through Propel Lab-3
- Training to faculty on usage of hardware board development of infrastructure by Wipro

- Propel Lab-1: Student’s participated in e-Yantra Competition and secured first place at National level
- Procured hardware for training (20 batches of students) in usage of arduino board
- Propel Lab-3: Procured and installed CNC machine
- Propel Lab-5: 8 Laptops procured and integrated with Wipro board to facilitate project base learning
- Propel Lab-6: Planned to procure two Units of 3KW capacity solar and electricity generator with storage device
- Proposal : Design and construction of 6 Axis Linear Robot through Propel Lab-3
- Training to faculty on usage of hardware board development of infrastructure by Wipro

**STG-10**

**ESTABLISH e-GOVERNANCE CELL**

- Digitalization of Proctor Diary
- Online registration portal for conduction international conference and workshop
- Graphical representation/Reports regarding first year admission
- Generation of reports – As per the requirement of COE
### BMS College of Engineering Bangalore

#### Status Report on the Implementation of Strategic Plan

**Submitted on 30.06.2015**

**STG-11**

**Develop New Curriculum for 2014-15**

- The institution is currently in the process of framing syllabus for higher semesters with special emphasis on following standards/objectives:
  - Implementing Outcomes Based Education (OBE-Graduate Attributes, Programmed Outcomes)
  - Consider inputs from all the stake holders (Students, Faculty, Academia, Alumni, Industry and Society)
  - Stress on activity based learning, communication skills, entrepreneurship etc.
  - Introduction of Self Study Component

- Projects for community service (IEEE, NGOs)
- Introduction of courses during Fast Track Semester.
- Setting up of departmental advisory board (DAB) for advising in academic matters.
- Defining rubrics for assessment of academic instruments to enhance the attainment of POs.
- Numerous brainstorming sessions on Curriculum Design and Development have been conducted. The feedback obtained from students, alumni, employer, community and industry is given due weightage in framing the curriculum. The draft curriculum is being placed before the ensuing Academic council meeting scheduled to be held on 26.06.2015

#### Status Report on the Implementation of Strategic Plan

**Submitted on 30.06.2015**

**LTG-1**

**To Create Centers of Excellence in Selected Areas Preferably One in Each Cluster**

- Water jet Machining facility has been established (ME).
- Procurements of XRD, SEM are in progress (ME).
- EE faculty are actively involved in setting up Propel Lab-5 (Embedded System Lab) and Propel Lab-6 (Energy) (EE)
- Proposal: To create centre of excellence in OBE to facilitate NBA accreditation (Washington Accord) for autonomous institutions, Universities, Affiliated Institutes

- The Laboratories are further augmented with Equipment/Learning Resources worth Rs.412.00 Lakhs
- Procured 30 high-end Workstations, Digital Repository, Digital Library is further augmented
- PG lab with 20 workstations is established (CSE)

#### Status Report on the Implementation of Strategic Plan

**Submitted on 30.06.2015**

**LTG-2**

**To Provide Modern Infrastructure Facility**

- The status of procuring equipment/Learning Resources for various departments (under TEQIP) is as follows:
  - Procured – 87%; Order placed-11%
  - Procurement in processes – 2%
  - Centre of Excellence
  - 51% - Purchase Completed
  - 35% - Order placed
  - 14% - of procurement is in processes

- Two Faculties awarded Ph.D Degree
- Five Faculties submitted Ph.D Thesis
- Shri.H K Rangavittal, Faculty ME-Thesis Defence (May 2015)
- Two faculty with PhD Degree appointed [ML/ME]
LTG-4
ENHANCE THE INTAKE OF UG PROGRAMMES

The Management has decided not to seek any new variations for the Academic Year 2015-16. Accordingly no new variation of intake is being sought.

LTG-5
OBTAIN ACCREDITATION FOR ALL THE LABORATORIES FROM THE CONCERNED AUTHORIZED AGENCIES

Department of Civil Engineering initiated the process of accrediting the following labs in their departments:
- Building Materials testing laboratory
- Highway/pavement materials
- Environmental lab

Proposals from other departments are awaited.

LTG-6
FACILITATE STUDENTS TO BECOME ENTREPRENEURS (INCUBATION CENTRE)

The following activities have been conducted by Entrepreneur Development Cell:
- Conducted workshop for aspiring Women entrepreneurs on 7th March 2015
- Conducted a certification course on "Entrepreneurship Empowerment Programme" certified by NIESBUD, GOI on June 17th 2015

LTG-7
USE OF TECHNOLOGIES FOR PROVIDING SKILL SETS & ADDITIONAL SELF-LEARNING, BRING IN RESEARCH CULTURE ACROSS THE DEPARTMENTS

The Institution is currently in the process of reviewing the curriculum for higher semesters.
- With specific reference to Self Learning Components, enhance research activities.
- Ninth Brain Storm sessions on CDD (Curriculum Design and Development) were held so far.

In the Ninth Brain Storm session held on 23.05.2015 the following points were stressed upon:
- To digitize pre-requisites for all the courses.
- To introduce online books, digital resources, MOOCs (NPTEL, EDX, COURSERA, and UDACITY etc.)

LTG-7
USE OF TECHNOLOGIES FOR PROVIDING SKILL SETS & ADDITIONAL SELF-LEARNING, BRING IN RESEARCH CULTURE ACROSS THE DEPARTMENTS

- As per the VTU guidelines, 24 credits shall be assigned for self-study component in higher semesters.
- To encourage faculty to take up MOOC courses in their respective domain during the semester breaks.
- The Curriculum Design shall consist of all the academic requirements, relevance, global standards, industrial needs and aspirations of the students.
LTG-8
COLLABORATE WITH INSTITUTIONS OF HIGHER LEARNING, RESEARCH ORGANIZATION FOR EXCHANGE OF RESOURCES

- Department of CV along with IIT-Chennai organized a national level workshop on “Emerging Trends in Transportation Engineering” sponsored by Ministry of Urban Development ,Govt., of India (further details are also provided at LTG-9)
- BMSCE-R&D centre organized an expert talk by Dr. S K Prasad Senior Scientist CNSMS, CSIR Laboratory.

LTG-9
COLLABORATE WITH FOREIGN UNIVERSITIES FOR EXCHANGE PROGRAMMES

- A cooperation agreement between BMSCE & Ghent University Belgium as been reached for the purpose of cooperation in educational and academic exchanges. Exchange of academic staff and research assistants form the main purpose of the agreement
- Dr.Gowrishankar-ISE BMSCE has been appointed as a visiting professor to take up one semester in Computer Science at University of Alabama in Huntsville(UAH), USA, commencing from 12.08.2015 to 22.12.2015
- Prof. Komlow of Gutenberg University-Sweden visited the campus on 18.06.2015 to explore the possibility of having collaborative research projects with basic science departments

LTG-11
ESTABLISH COLLABORATIVE LABORATORIES WITH THE SUPPORT OF INDUSTRY TO SERVE AS LIVE CENTRES OF LEARNING

- Established BMSCE- Robert Bosch automotive electronics laboratory to facilitate teaching of integrated course – Automotive Embedded System Design

LTG-12
OBTAIN THE STATUS OF A PRIVATE UNIVERSITY

- The Council of Trustees in their meeting held on 07.11.2014, nominated Principal, BMSCE assisted by Director (Projects), Director (Admin), BMSET and CFO, BMSET to prepare and submit necessary documents to concerned authorities for approval to setup BMS University
- The Trust also noted formation of Advisory Committee under the chairmanship of Dr.B.S.Sonde, Former Vice-Chancellor, Goa University
- Submitted a draft proposal to the Government authorities towards land requirement for the University.

BMS COLLEGE OF ENGINEERING BANGALORE
STATUS REPORT ON THE IMPLEMENTATION OF STRATEGIC PLAN
Submitted on 30.06.2015

Thank You
LIST OF CANDIDATES SELECTED & APPOINTED - TEACHING

**DEPARTMENT OF MECHANICAL ENGINEERING**

<table>
<thead>
<tr>
<th>SNo</th>
<th>Name</th>
<th>Post</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr Manu K V</td>
<td>Asst. Prof</td>
<td>Reported</td>
</tr>
<tr>
<td>2</td>
<td>Sri. Kiran Kumar K U</td>
<td>Asst. Prof</td>
<td>Reported</td>
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**DEPARTMENT OF ELECTRICAL ENGINEERING**

<table>
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<tr>
<td>1</td>
<td>Pramada P</td>
<td>Asst. Prof</td>
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**DEPARTMENT OF ELECTRONICS ENGINEERING**

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<tbody>
<tr>
<td>1</td>
<td>Ms. Pushpa K</td>
<td>Academic Intern</td>
<td>Reported</td>
</tr>
<tr>
<td>2</td>
<td>Ms. Manjula R</td>
<td>Academic Intern</td>
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**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

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<tr>
<td>1</td>
<td>Dr. B G Prasad</td>
<td>Prof &amp; Dean (IS/CS)</td>
<td>Reported</td>
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**DEPARTMENT OF MEDICAL ELECTRONICS**

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<tr>
<td>1</td>
<td>Dr. M Suheshkumar Singh</td>
<td>Asso Prof</td>
<td>Reported</td>
</tr>
<tr>
<td>2</td>
<td>Ms. Aparna Prabhakar</td>
<td>Academic Intern</td>
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**DEPARTMENT OF CHEMICAL ENGINEERING**

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<tbody>
<tr>
<td>1</td>
<td>Dr. Keertiga</td>
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**DEPARTMENT OF BIOTECHNOLOGY**

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<tr>
<td>1</td>
<td>Dr. Divijendra Natha Reddy</td>
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**DEPARTMENT OF ARCHITECTURE**

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<tbody>
<tr>
<td>1</td>
<td>Laxmi Nagaraj</td>
<td>Asso Prof</td>
<td>AT</td>
</tr>
<tr>
<td>2</td>
<td>Mithila Kumar</td>
<td>Asst. Prof</td>
<td>AT</td>
</tr>
<tr>
<td>3</td>
<td>Neelakshi Joshi</td>
<td>Asst. Prof</td>
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### DEPARTMENT OF MATHEMATICS

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<tr>
<td>1</td>
<td>Ms. Jyoti Shaktawat</td>
<td>Asst. Prof</td>
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### DEPARTMENT OF CHEMISTRY

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<tr>
<td>1</td>
<td>Dr. Ananthnag G S</td>
<td>Asst. Prof</td>
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### DEPARTMENT OF HSS

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<tr>
<td>1</td>
<td>Archana Bhat K</td>
<td>Asst. Prof</td>
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### DEPARTMENT OF R & D

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<tbody>
<tr>
<td>1</td>
<td>Dr Gurumurthy Hegde</td>
<td>Asso Prof</td>
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</table>
LIST OF CANDIDATES SELECTED & APPOINTED – NON-TEACHING

<table>
<thead>
<tr>
<th>SNo</th>
<th>Name</th>
<th>Post</th>
<th>Dept.</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td>Dr.Y.Chandrashekara Reddy</td>
<td>Deputy COE</td>
<td>COE</td>
<td>Reported</td>
</tr>
<tr>
<td>2</td>
<td>Sri.Yellappa Shiralgi</td>
<td>Research Scholar</td>
<td>R&amp;D</td>
<td>Reported</td>
</tr>
<tr>
<td>3</td>
<td>Sri.Ashok Kumar N</td>
<td>System Tech Asst</td>
<td>COE</td>
<td>Reported</td>
</tr>
<tr>
<td>4</td>
<td>Smt.Pallavi K.S.</td>
<td>Office Asst</td>
<td>MCA</td>
<td>Reported</td>
</tr>
<tr>
<td>5</td>
<td>Sri.Naveen Kumar V</td>
<td>Asst. Instructor</td>
<td>ME</td>
<td>Reported</td>
</tr>
<tr>
<td>6</td>
<td>Sri.Dandapani S</td>
<td>Asst. Instructor</td>
<td>ME</td>
<td>Reported</td>
</tr>
<tr>
<td>7</td>
<td>Sri.Praveen N</td>
<td>Asst. Instructor</td>
<td>ME</td>
<td>Reported</td>
</tr>
<tr>
<td>8</td>
<td>Sri.Vinod Kumar A.R.</td>
<td>Mechanic</td>
<td>ME</td>
<td>Reported</td>
</tr>
<tr>
<td>9</td>
<td>Sri.Mallikarjun Ramapur</td>
<td>Mechanic</td>
<td>ME</td>
<td>Reported</td>
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<tr>
<td>10</td>
<td>Sri.Devaraju C.M.</td>
<td>Driver Cum Attender</td>
<td>Dean (Mechanical)</td>
<td>Reported</td>
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<tr>
<td>11</td>
<td>Sri.Hemanth Kumar</td>
<td>Driver Cum Attender</td>
<td>Dean (Architecture)</td>
<td>Reported</td>
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MINUTES

DATE: 11-07-2015
VENUE: BOARD ROOM
MEMBERS PRESENT:
1. Prof. D. Thukaram, Chairman
2. Sri. M. Krishnaswamy, Member
3. Dr. K. Mallikarjuna Babu, Principal & Convenor

NODAL OFFICERS/CO-ORDINATORS PRESENT:
1. Dr. G.N. Sekhar, TEQIP Co-ordinator-I
2. Dr. L. Ravi Kumar, TEQIP Co-ordinator-II
3. Dr. S. Gowrishankar, Nodal Officer – Academic Activities
4. Dr. H.S. Guruprasad, Nodal Officer – Academic Activities
5. Dr. M.S. Dharmaparakash, Nodal Officer – Procurement
6. Dr. K. Guruprasad, Nodal Officer – Equity Assurance Pan
7. Dr. M. Indiramma, Co-ordinator – IIEC
8. Dr. S. Srinivas, Principal Investigator, CoE
9. Dr. Chandashree Das, Principal Investigator, CoE
10. Dr. M.V. Murugeswarra, Principal Investigator, CoE

MEMBER PRESENT ON INVITATION:
1. Dr. Martin Jebraj, Director – R&D

The Principal and the convenor extended a cordial welcome to the members for the meeting.

1. Minutes of the fourteenth meeting of the BOG sub-committee held on 10th March 2015.

The minutes of the fourteenth meeting of the BOG sub-committee held on 19.3.2015 [Assure – I] were read and recorded.

2. Research proposals for consideration under TEQIP II

The members noted that the BOG in its 58th meeting accorded approval for submission of the proposal seeking additional funds of Rs.800 lakhs under TEQIP II. Further, the BOG subcommittee in its 14th meeting authorised the Principal to constitute expert committees to scrutinize the proposals received (i) for upgrading existing equipment/laboratory, (ii) R&D proposals. The TEQIP Coordinator-I informed the members that the TEQIP office received proposals worth Rs.588 lakhs from various departments. The members perused the recommendations of the six expert committees that have recommended 44 proposals worth Rs.310 lakhs approximately, for inclusion in the revised IDP being prepared for seeking additional funds under TEQIP.
The Chairman of the subcommittee opined that the college shall consider high value research proposals under such projects leading to superior outcomes. The committee considered the IDP submitted to the SPFU/NPIU seeking additional funds, after detailed deliberations, the committee approved the proposal [Annexure-2].

3. **Staff in the TEQIP Office**

The committee noted that Smt. H. Roopa working as Office Assistant at TEQIP-II had resigned for the job quoting personal reasons and also she was relieved from her duties on 05-06-2015 and approved the same.

4. **Audit of accounts for the year 2014-15**

4.1 The committee noted that M/s B. N. Jayaram and Associates have completed the audit of accounts for the period 1st April 2014 to 31st March 2015. The committee perused the financial statements and utilisation certificates prepared by M/s B. N. Jayaram and Associates and accepted the audit report [Annexure-2a].

4.2 The committee noted that the internal auditors appointed by the SPFU, M/s GRSM & Associates have conducted audit of TEQIP II accounts during June 1-2, 2015 for the year 2014-15.

4.3 The committee noted that Sri Sanag Kumar and Sri Arvind Kumar of M/s Agarwal A. Kumar & Associates, Chandigarh, Chartered Accountants appointed by the SPFU have conducted the internal audit on 1-7-2015 for the period from 1st October 2014 to 31st March 2015 of TEQIP-II and COE.

The committee further noted that the auditors appointed by the SPFU will be submitting their reports to SPFU and the SPFU in turn communicates the same to the college in due course of time.

5. **Performance Assessment Indicators:**

The committee noted that the BMSCE has met all the nine performance indicators as per the NPIU website [Annexure-3] and expressed its satisfaction over the accomplishment made by the college.
6. Approval to the faculty, staff & students attending programs and conduction of in-house programs.

6.1 The committee perused the consolidated list of the approvals given by circulation with the details of faculty and students to attend programs outside the college under TEQIP-II/COE and ratified the same [Annexure-4].

6.2 The committee approved the proposals of the faculty who have proposed to attend programs outside the college under TEQIP-II/COE [Annexure-5].

6.3 The committee ratified the deputation of Dr. Suresh Ramaswamyreddy, Nodal Officer (Finance) and Smt. A. N. Shubha (SDA) to a training programme on e-FMR/ Financial Management organised by the NPIU at Mumbai on June 10th, 2015.

6.4 The committee approved the nomination of Professor K. Guruprasad, Nodal Officer (EAP) and Professor D. Seshachalam, HOD-ECE to attend the ‘Management capacity enhancement program’ organised at IIM, Indore from July 16-22, 2015.

6.5 The committee approved the deputation of Dr. Sakey Sharmi, Professor of Civil Engg, Dr. M Ramachandra, Prof of Mechanical Engineering and Coordinator-COE to attend the ‘Management capacity enhancement program’ organised at IIM, Bangalore during July 20-24, 2015.

6.6 The committee approved the deputation of Dr. K. J. Rathanraj, HOD-IM and Dr. S. Girish, Professor-CV to attend the ‘Management capacity enhancement program’ organised at IIM, Lucknow from 27th to 31st July, 2015. The committee directed the Academic Nodal Officer to organize presentations by the faculty deputed for Management Capacity Enhancement Program, highlighting the outcomes and action plan in its next meeting.

7. Post Procurement Review of files by NPIU Auditors and Statement of Review Actions submitted

The committee noted that a post procurement review of selected files was conducted by the World Bank Auditors on 26 November 2014 at NPIU, New Delhi. The committee also perused the Review Reports generated w.r.t. BMSCE and the reply provided by the institution thereon.

The Committee noted that the World Bank auditors in their general observations opined that most of the issues are related to the management and needs to be tackled by Institutions themselves. The committee also noted that the auditors advised the Institutes to chalk out a Standard Operating Procedure (SOP)/Action plan/Check list while
initiating procurement process, so that the common issues, observed by them can be avoided in future [Annexure - 6].

8. Post Procurement Review by SPFU and reply provided by the college
The committee perused the observations of the SPFU based on the post procurement review conducted by them on 20th January 2014, 27th March 2014, 3rd & 4th March 2015 and 31st January 2015. The committee also noted that the SPFU sought justification from the college stating that the procurement of the three packages namely: (a) TEQIP-II/KA/KA2G04/98-FPGA Kits (b) TEQIP-II/KA/KA2G04/152 – WARP Radio Board and (c) TEQIP-II/KA/KA2G04/134 – Power Lab Tutor System are not in compliance with the World Bank Guidelines quoting the reasons:
- Uniqueness of the proprietary product procured is not substantially justified;
- Quantity variation – ordered quantity is 1 No. against enquired quantity of 4 Nos;
- Enquiry was sent to M/s. Coretek whereas the OEM authorised M/s. Marutek and order was placed on M/s. Marutek.

The committee also perused the justification provided by the college and hoped that the SPFU may consider the same favourably in its next steering committee meeting and drop the observations [Annexure - 7].

9. Status of Expenditure incurred under TEQIP II as on 30.6. 2015
The committee perused the details of expenditure incurred till 30.06.2015 and forecast for the next four months, submitted to the SPFU. The committee also noted that the new PIP (June 2015) permits flexibility in the allocations under the heads of accounts serially numbered from 2 to 8 below treating them as a combined head of account.

<table>
<thead>
<tr>
<th>SL No</th>
<th>Head of expenditure</th>
<th>PROJECT ALLOCATION (Amt. in Lakhs)</th>
<th>Expenditure incurred up to 30-06-2015 (Amt. in Lakhs)</th>
<th>Forecast for next 4 months. (Amt. in Lakhs)</th>
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<tr>
<td>1</td>
<td>Procurement</td>
<td>562.50</td>
<td>487.40</td>
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<td>250.00</td>
<td>235.91</td>
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<td>Research &amp; Development</td>
<td>62.50</td>
<td>39.18</td>
<td>5.50</td>
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<td>4</td>
<td>FSD</td>
<td>125.00</td>
<td>127.50</td>
<td>2.50</td>
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<td>5</td>
<td>III Cell</td>
<td>62.50</td>
<td>48.82</td>
<td>3.75</td>
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<td>6</td>
<td>Capacity Development</td>
<td>25.00</td>
<td>19.28</td>
<td>2.72</td>
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<td>7</td>
<td>Reforms</td>
<td>12.50</td>
<td>7.51</td>
<td>2.50</td>
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<td>8</td>
<td>Student Support</td>
<td>25.00</td>
<td>5.63</td>
<td>10.40</td>
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<td>9</td>
<td>IOC</td>
<td>125.00</td>
<td>81.24</td>
<td>7.50</td>
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<td>TOTAL</td>
<td></td>
<td>1250.00</td>
<td>1078.47</td>
<td>65.11</td>
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10. Status of Expenditure incurred under COE as on 30.06.2015

The committee noted the following status of expenditure under the COE and noted that the progress under the heads namely: R & D, FSD and IIIIC needs some more attention to augment the progress and asked the PIs to initiate necessary steps in this regard.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Head of expenditure</th>
<th>Allocation (Rs. In lakhs)</th>
<th>Amount spent as on 30.06.2015 (Rs. In lakhs)</th>
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<td>Assistantships</td>
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<td>R&amp;D</td>
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<td>Faculty &amp; Staff Development</td>
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<td>25.00</td>
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<td>6</td>
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<td>50.00</td>
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<td>TOTAL</td>
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11. Seeking approval to place purchase order for X-Ray Diffractometer (XRD) System/Equipment under the component 1.2.1 [COE in Advanced Materials Research]

The BOG subcommittee perused the following details with regard to procuring the XRD for the COE.

11.1 The BOG subcommittee in its seventh meeting held on 11.9.2013 accorded approval to initiate the process of procurement of X-Ray Diffractometer (XRD) System through NCB. Procurement of X-Ray Diffractometer (XRD) System was initiated through NCB on 10-10-2013 and the bids were opened on 12.11.13. Two firms have submitted their bids. (i) M/s. I.R Technology Services Pvt Ltd had quoted for Rigaku Model Ultima IV at a price of Rs.92,85,200/- and (ii) M/s. Spectris Technologies Pvt Ltd quoted for PANalytical Model X’pert® at price of Rs.1,00,88,710/-.

11.2 The minutes of the 6th, 7th and 8th meetings of the BOG subcommittee were approved & ratified by the BOG in its 54th meeting held on 13.1.14. The BOG in the said meeting noted that the bids received towards the procurement of Scanning Electron Microscope (SEM) and X-Ray diffraction analyser (XRD) have resulted in escalation in price to the extent of 150% of the estimated price and ordered for cancelling the previously called NCBs. The BOG also observed that the equipment SEM and XRD are technologically complex, only few manufacturers are available and all the manufacturers are outside India and hence there is limited scope for receiving bids from indigenous sources. In the said meeting, the BOG accorded approval to re-initiate the procurement process through
ICB/LIBs for these two items and the two earlier NCBs were cancelled on 10.2.14. The BOG has also agreed to sanction additional grant of Rs.30 lakhs from the management funds, in the event of any shortage of funds for procurement of equipment.

11.3 The BMSCE through PMSS, sought permission of the NPIU on 28.2.14 for initiating fresh procurement process through International Competitive Bid (ICB). In response the NPIU advised the college on 03.03.2014 to opt for LIB if it is feasible to justify its use in the cases under consideration, failing which the college shall proceeds with NCB only.

11.4 The BOG subcommittee in its 10th meeting held on 26.5.14 perused the report of procurement committee for the COE dated 19.5.14 and directed the concerned to re-initiate the process for SEM & XRD through LIB. Subsequently, the college received a communication from the NPIU dated 15.5.14 resetting the thresholds for different modes of procurement that was silent on the mode of procurement through LIB and hence the process through LIB could not be continued for want of further directions from the BOG.

11.5 The BOG subcommittee in its 11th meeting held on 10.09.14 noted that the NPIU has issued a circular dated 15.05.14 by resetting the thresholds for various modes of procurement and thereby the items costing below Rs.150 lakhs have to be procured only through NCB. The subcommittee of the BOG accorded approval to initiate the NCBs for SEM & XRD. The decision was ratified & approved by the BOG in its 56th meeting held on 22.09.14.

11.6 The college could re-initiate procurement process for SEM through NCB on 22.09.14. But could not complete the same for XRD, as the PMSS did not permit re-initiation of procurement process for XRD, citing the reason that the total cost of items for which procurement was initiated, exceeds the total allocated budget for procurement under the YEQIP (Components 1.2 and 1.2.1 together), based on the estimates made.

11.7 The procurement nodal officer has taken up the issue with the officials of NPIU and requested them to intervene in the matter and remove the technical hurdle of PMSS and permit the college to re-initiate the process for XRD. Meanwhile, the Coordinator & Principal investigator of the COE opined to complete the process for SEM first and then initiate the process of XRD after getting clarity on the availability of funds under COE.
11.8 However, the NPIU cleared the technical constraints for including XRD in PMSS. The SPFU and NPIU approved the item in PMSS as NCB package on 18.02.2015 to proceed farther. After receiving the clearance in PMSS from the NPIU, the process of NCB was re-initiated on 10.03.2015

11.9 The bids were opened on 08.04.2015 as per the schedule and it’s noted that the same two bidders M/s. IR Technology Services Pvt Ltd and M/s. Spectris Technologies Pvt Ltd have submitted the bids. M/s. IR Technology Services Pvt Ltd had quoted for Rigaku Model Ultima IV at a price of Rs.63,64,250/- and M/s Spectris Technologies Pvt Ltd quoted for PANalytical Model X’pert at a price of Rs.70,79,424/-. The bid of M/s. IR Technology Services Pvt Ltd was considered commercially and technically non-responsive and M/s. Spectris Technologies Pvt Ltd was considered responsive.

11.10 At this stage of Bid Evaluation, the matter was referred to NPIU & SPFU seeking pre-order approval on 09 May 2015. On 05th June 2015, the NPIU asked the SPFU to verify the procurement procedure carried out by the institution and to communicate the detailed information/action/suggestion on the issue. In this regard, on 08th June 2015, the SPFU visited the college and verified the documents pertaining to the procurement procedure followed till date. Further the SPFU on 16th June 2015, sought justification on their observations: (i) the proposed equipment has been included in the Institutional Development Plan (IDP) of COE at an estimated cost of 35 lakhs. (ii) The specification intended in the IDP have been enhanced to higher specification at a cost of 70 Lakhs.

The SPFU in its communication stated the following:

"After going through the documents produced by the institution, it is obvious that the procurement initiated first time in November 2013 is not yet complete till date with two procurement calls being cancelled and the 3rd in progress; and almost one and a half year valuable time has been lost. It is obvious that market survey and finalisation of specification were not properly leading to undue delay in procurement. Further, delay in procurement of the proposed equipment is likely to affect the final outcomes expected from COE. Therefore, the institution is advised to go ahead with the procurement provided the coordinator of COE submits through the Principal the detailed justification in terms of advantages and outcomes likely to be achieved at the end of the project with enhanced specifications costing approximately Seventy Lakhs compared to the originally proposed lower specifications costing about Thirty Five Lakhs."
The Coordinator of the COE, Dr. M. Ramachandra has submitted the justification on 17th June 2015 that the enhancement in specification to Floor mounted High resolution XRD was to promote the research work on all kinds of materials (including ceramics, thin films, and biomaterials and so on) based on the oral suggestions received from the experts of IISc.

The SFPU on 20th June 2015 forwarded its observations and justification provided by the Coordinator of the COE, BMSCE to the NPIU seeking the advice of the NPIU for proceeding further with the procurement of XRD system. The SFPU on 26.06.2015, requested the NPIU to permit the institution to issue the purchase order to L1 for procurement of XRD.

The NPIU vide email dated 27th June 2015 expressed that it is in conformity with the decision of SFPU Karnataka that the institution may go ahead with the procurement with proper BOG approval within the framework of World Bank procurement guidelines. Further, the NPIU suggested the college to adhere to the instructions (Conclusion Report) given by SFPU vide e-mail dated 16th June 2015. The institution is also informed to maintain all the relevant procurement documents pertaining to above procurement at the time of post review [Annexure-8].

The committee reviewed the entire procedure followed till date including the change of specifications from desktop model to Floor Mounted Model with an escalated budget of Rs.70 Lakhs. Dr. Martin Jebraj, Director R&D, BMSCE informed the members that the coordinator implemented the changes in specifications for procuring a Floor Mounted Model considering its advantages over the desktop version. He further reiterated that a Floor Mounted Model is very much necessary to conduct advanced materials research for which the COE is intended and Benchtop model has limited applications on advanced materials. Further, he also pointed out that the Floor Mounted Model has the advantage of up-gradation of the system whereas the Benchtop model is not suitable for the up gradation. Considering these aspects, the BOG subcommittee in its earlier meetings approved the procurement of the Floor Mounted Model of the XRD.

After detailed perusal of the records and deliberations which the BOG subcommittee further noted that right from beginning the process was initiated only for procurement of Floor Mounted model of XRD and there were no changes in the specifications once the process is initiated. The committee further noted that in the process of encouraging more competitive bids, efforts are made to initiate the process of procurement through different modes and this caused the delay in completing the process. The committee also noted that the variation in the pricing is largely due to variation in EURO-Rupee exchange rates.
Considering the above aspects, the BOG Sub-Committee accorded approval to place purchase order with the eligible bidder M/s. Spectris Technologies Pvt Ltd for procurement of XRD (PANalytical Model X’pert) at a price of Rs.70,79,424/-.


The Nodal Officer, Procurement informed the members that the BOG subcommittee in its 13th meeting held on 20.11.14 has accorded approval to place Purchase Order for the procurement of Scanning Electron Microscope (NCB Package Ref: TEQIP-II/KA/KA204/216) and accordingly the Purchase Order has been issued on 15/12/2014 to the eligible bidder M/s. Advance Scientific Equipment Pvt. Ltd., at the total price of Rs.95,92,153/-. He further informed that the Customs Duty Exemption Certificate (CDEC) dated 28.04.2015 has also been issued and opening of Letter of Credit (LC) is in process. The bidder needs to complete the supply within 120 days from the date of providing CDEC and the supplier is expected to complete the delivery and installation of SEM before 28.8.2015. The committee noted the status of procurement of SEM and informed the Principal Investigators to see that the Lab space is kept ready for the installation without any further delay.

13. Unauthorised absence of Mr. Madhusudhan J, Research Assistant under COE

The Committee noted that one of the research assistants appointed at the COE, Sri Madhusudhan J, assisting Prof. Ramachandra M, is absent to his duties since 10th June 2015 without any intimation, causing hindrance to the work. The attempts made by the office of the TEQIP to contact him over phone went in vain, as his phone was out of coverage area throughout. A memo dated 18.06.15 was sent to his residential address giving him an opportunity to report to his duties immediately by submitting an explanation to his un-authorised absence, for which there was no response. His father informed Dr. Ramachandra over phone that Mr. Madhusudhan has no interest to come and rejoin the work.

The committee opined that it is difficult to retain Research Assistants in the projects unless they are in pursuit of doctorate degree. Further, it is understandable that new opportunities attract them to explore their respective domains. The committee accorded approval to terminate his services with immediate effect and arrange for inducting a new person in his place [Annexure-9].

14. Consultancy and IRG Proposals

The committee discussed the proposal on fixing the charges to be levied for extending the equipment procured under COE/TEQIP-II to other academic institutions/industry for the
purpose of conduction of tests or analysis of the materials etc., the committee suggested for re-submission of the proposal considering the following:

14.1 The breakup of the charges should indicate the details of the consumption of other materials in the process, the matrix of hours/day/job based charges.

14.2 Available time slots during which the equipment can be utilised either for testing or for consultancy activities without hindering the R & D work & practical classes.

14.3 Clear time slots for utilisation of resources by academic/industry personnel with preference to R&D. The mode of handling the revenue generated if any, in such activities.

14.4 The committee opined that till a detailed discussion happens and permission is accorded for an action plan for taking up consultancy activities, the committee authorised the Principal to permit the execution of students level (Graduate, Post-graduate & Doctoral) projects at minimal charges.

15. Brief report on the conferences held at the college:


The committee perused the report submitted by Dr. Suresh Ramaswamyreddy on conduction of the 3rd International Conference on Micro Perspective for Decentralized Energy Supply (MES - 2015) by the college in association with TU Berlin and UC Berkeley. The committee noted that about 121 delegates including 21 student buddies & 40 foreign nationals have participated in the conference. 36 papers were presented orally and five papers were presented through posters, in addition to the 4 panel discussions held. The committee noted that a mini-grid workshop in cooperation with The Energy Resource Institute [TERI] and UNEP, the business plan competition in cooperation with ADB-Energy for All, were held on the side-lines of the MES-2015. The committee also noted Hans-Boeckler Foundation and Micro Energy International, ADA Microfinance, Schneider Electric, Karnataka Renewable Energy Department Limited (KREDL), ME SOLashare, New Ventures India, energypedia and Emerge Alliance in addition to TEQIP II have supported the conduction of the said conference. A detailed report is enclosed at Annexure-10.


Dr. Gowrishankar, the steering committee chair for IACC-2105 has submitted a brief report on conduction of the 5th edition of IEEE International Advance Computing Conference at BMSCE on 12th and 13th June 2015 that attracted more than 700 delegates from across the globe including eminent personalities from the world of computing and technology. The committee noted that the conference is held in association with the IT
industries namely Extreme Networks, Ruckus Wireless, VMware, Lenovo, Accenture, Binary Systems & Maheshwari Electronics and Dr. K. R. Radhika, Professor of ISE was the general chair of the conference. Dr. Gowrishankar further informed the members that about 345 research papers were presented orally & 25 papers were presented through posters and the papers presented orally are accepted for publication through IEEE Explore.

The conference had a mix of invited expert talks, high-level panel discussions, poster session, and peer reviewed papers with a truly distinguished array of personalities from industry, academia and government from across the world with the theme that focused on cloud based innovations in Social Network Analysis, Artificial Intelligence and Image Processing, High Performance Computing, Advance Computer Networks and Advanced Algorithms. A detailed report is enclosed at Annexure-11.

The BOG sub-committee congratulated the co-ordinators, faculty and the staff involved for organising such value based conferences on the thrust areas of research. The committee opined that college shall succeed in achieving the pre-determined outcomes while conducting such workshops/conferences to meet the targets of the TEQIP II.

The meeting concluded with a vote of thanks to the Chair.

[Signatures]

Dr. K. Mallika Prathima Babu
Principal and Convener

Prof. D. Thukaram
Chairman
ANNEXURES
<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Particulars</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Annexure-1</td>
<td>1-10</td>
</tr>
<tr>
<td>2</td>
<td>Annexure-2</td>
<td>11-32</td>
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<td>Annexure-2A</td>
<td>33-44</td>
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<td>Annexure-3</td>
<td>45-46</td>
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<td>Annexure-4</td>
<td>47-53</td>
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<td>Annexure-5</td>
<td>54-55</td>
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<td>7</td>
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<td>56-60</td>
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<td>8</td>
<td>Annexure-7</td>
<td>61-73</td>
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<td>9</td>
<td>Annexure-8</td>
<td>74-140</td>
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<td>10</td>
<td>Annexure-9</td>
<td>141-142</td>
</tr>
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<td>11</td>
<td>Annexure-10</td>
<td>143-149</td>
</tr>
<tr>
<td>12</td>
<td>Annexure-11</td>
<td>150-153</td>
</tr>
</tbody>
</table>
MEMBERS PRESENT:
1. Prof. D. Thukaram, Chairman
2. Sri. M. Krishnaswamy, Member
3. Dr. K. Mallikarjuna Babu, Principal & Convener

NODAL OFFICERS/CO-ORDINATORS PRESENT:
1. Dr. G. N. Sekhar, TEQIP Co-ordinator I
2. Dr. L. Ravi Kumar, TEQIP Co-ordinator II
3. Dr. S. Gowrishankar, Nodal Officer - Academic Activities
4. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
5. Dr. M.S. Dharmaparakash, Nodal Officer - Procurement
6. Dr. K. Guruprasad, Nodal Officer - Equity Assurance Plan Implementation
7. Dr. C. Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
8. Dr. M. Indiramme, Co-ordinator-IPC
9. Dr. M.C. Sampath Kumar, Nodal Officer - CV & EM
10. Dr. M. Anachandra, Principal Investigator & Co-ordinator, CoE
11. Dr. S. Srinivas, Principal Investigator, CoE
12. Dr. Chandrashree Das, Principal Investigator, CoE
13. Dr. M. Murugandrapa, Principal Investigator, CoE

MEMBER PRESENT ON INVITATION:
1. Dr. Martin Jharaj, Director-R&D

The Principal and the convenor extended a cordial welcome to the members for the meeting.

1. Minutes of the nineteenth meeting of the BOG sub-committee held on 11.11.14.

The minutes of the nineteenth meeting of the BOG sub-committee held on 11.11.14 were read and recorded.
2. Review of Procurement activities under TEQIP II [1.2]

The committee took a note of the current status of procurement under TEQIP II as mentioned below:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Allotment under Procurement</td>
<td>Rs. 562.5 Lakhs</td>
</tr>
<tr>
<td>Procurement completed</td>
<td>Rs. 453.0 Lakhs</td>
</tr>
<tr>
<td>Purchase order released &amp; waiting for delivery</td>
<td>Rs. 77.5 Lakhs</td>
</tr>
<tr>
<td>Initiated and in process</td>
<td>Rs. 27.0 Lakhs</td>
</tr>
<tr>
<td>Balance funds available</td>
<td>Rs. 3.5 Lakhs</td>
</tr>
</tbody>
</table>

3. Post Procurement Audit by NPIU & SPU officials

The committee noted that Dr. M. S. Dharmaparakash & Sri. R. Balaji attended the post-procurement audit held on 26.11.14 at New Delhi along with the following files identified by NPIU for audit:

a) Contract/Ref. No. TEQIP-II/KA/KA2G04/178 - Postavap
b) Contract/Ref. No. TEQIP-II/KA/KA2G01/183 - Net Books
c) Contract/Ref. No. TEQIP-II/KA/KA2G04/184 - COG Water Jet Cutting Machine
d) Contract/Ref. No. TEQIP-II/KA/KA2G04/198 - Oscilloscope
e) Contract/Ref. No. TEQIP-II/KA/KA2G04/33 - Servo Controlled Fixture Machine

The committee also noted that Sri. Raghunath, Project Officer-Procurement, SPU & Sri. Veeraraja, Registrar-SPU visited the college and conducted a post-procurement audit on 3rd & 4th March 2015 and their report is awaited.

4. Award of Teaching & Research Assistantships

4.1 The committee noted that altogether 214 students of M.Tech./M.Sc. (Engg) by research i.e., 48 students admitted during the academic year 2012-13, 80 students admitted during the academic year 2013-14 and 85 students admitted during the academic year 2014-15 were sanctioned the teaching assistantships, permitting withdrawal requests of three students who got internship from the industry in their final year.

4.2 The committee considered the representation of Ms. Indira S., student of M.Sc. (Engg) by research, working as full time scholar since December 2011, has been awarded teaching assistantship from November 2012 to November 2014. The committee observed that her request seeking extension of the assistantship till the end of April 2015 is duly recommended by the concerned guide and HOD. After detailed deliberations, the committee approved the release of teaching assistantship to the said student till the end of February 2015.
4.4 The committee took a note that the research assistantships have been awarded to 15 research scholars and the funds allocated for the disbursement of research assistantship after 1.3.2015 are not sufficient. The committee perused the mail sent by the NPIU on 15.2.2015 informing the TEQIP institutions to follow the guidelines of the communication issued by the NPIU on 18.1.2013 for revision/ updation of action plan in IDP & re-appropriation of fund allocation which states that, "For academic activities, institutions can revise the action plan provided in their IDP with the approval of their BOG as and when deemed necessary provided the planned activities are in accordance with the PIP, further the fund from procurement and IOC head of expenditure can also be re-appropriated to head of expenditure for academic activities but not vice-versa". In view of the above, the committee approved for a transfer of Rs. 12.5 lakhs from "IOC" head of expenditure to "Assistantships" head for continuation of disbursement of Research assistantship for a further period of four months till June 2015.

5. Staff in the TEQIP Office

5.1 The committee noted that the services of Smt. R. Roopashri & Smt. S. Rekha, office assistants at the TEQIP Office were terminated on the afternoon of 28.2.2015 owing to their deficient services and ratified the same.

5.2 The committee also noted that Smt. S. S. Meenakshi and Smt. N. Anitha Sreenath who were shortlisted during the interviews conducted for the positions of Office Manager in the college, were called for interview and are found to be suitable for appointing them as office assistants at TEQIP office. The committee also took a note of the recommendations of the committee to appoint Smt. S. S. Meenakshi and Smt. N. Anitha Sreenath as office assistants with consolidated pay of Rs. 16,000/-PM and Rs. 12,000/- PM respectively with applicable PF & ESF as per norms. The committee accorded approval for appointing Smt. S. S. Meenakshi and Smt. N. Anitha Sreenath as office assistants as per the recommendations of the committee.
6. Approval to the faculty, staff & students for attending programs and conduction of in-house programs.

6.1 Nomination for attending programme abroad:

The TEQIP Co-ordinator informed the members that in response to the SFPU’s mail seeking nomination of faculty members for ‘Management Capacity Development Programme’ at Nanyang Technological University, Singapore and subsequent discussion regarding the same in the HODs’ meeting held on 3.2.15, a mail seeking the nomination from departments was sent to all HODs on 3.2.15. Further, he informed that the nomination of (i) Dr. C. Lakshminarayana, Professor, EEE (ii) Dr. K. Guruprasad, Professor & HCO-ME and (iii) Dr. K. Ramesh Nayak, Associate Professor, IEM were received from the departments.

The committee noted that the expenditure per nomination is expected to be Rs.2,69,960/- and funds available under ‘Capacity Development’ are around Rs.5 lakhs. Further, it is noted that based on the financial constraints, the nomination of Dr. C. Lakshminarayana was forwarded to the SFPU with due approval from the Chairman-BOG [Annexure-1]. The committee accorded approval for the same.

6.2 The committee perused the consolidated list of the approvals of the sub-committee obtained by circulation for deputing faculty/staff members and students to attend various programs and to conduct in-house programs under TEQIP II/COE [Annexure-2].

6.3 The committee also perused the details of faculty/staff members seeking approval for attending various programs under TEQIP II/COE [Annexure-3] and approved the same.

7. Performance & Data Audit:

The committee noted that the performance audit by Prof. Subash Babu, IIIT-B and data audit by Sri. B. M. Radhesh, faculty, GEC, T. R. Pat were conducted during 25-27, November 2014 and after perceiving the reports expressed satisfaction [Annexure-4].

8. Audit of accounts by the internal auditors:

The committee noted that Agrawal A. Kumar & Associates nominated as internal auditor for TEQIP II by the SFPU, visited the college on 9th December 2014 and audited the accounts for the period April to September 2014. The committee noted the observations of the said audit [Annexure-5] and opined that the staff handling accounts at TEQIP office shall be more vigilant and responsive to the queries of the auditors. The TEQIP Co-ordinator informed the members that necessary steps are initiated regarding the same.
9. 4th edition of AICTE-CII survey on Industry - Academia collaboration in Technical Institutes: The committee noted that the 4th edition of the web-based survey mandated for TEQIP institutions is open till 30th April 2015 and the Coordinator for the IIC, Dr. Indramma has initiated steps towards completion of the same.

10. Institutional Performance Assessment The committee noted that the BMSCE has met all the 12 performance indicators as on 31st October 2014 as per the review held at the 4th IRM during December 8-19, 2014. (Annexure-6). The committee also noted that the NPIU has informed the institutions to meet 9 more indicators in addition to meeting the previously set 12 indicators, latest by 30th April 2015 (Annexure-7). The committee also noted that submission of revised IDP for 2016 with updated target indicators is one among the nine additional indicators for compliance. The committee also took a note of SFPU’s mail dated 19.2.2015 informing all the institutions to prepare an IDP with an estimated cost of Rs.6 to Rs.8 crores (Annexure-8) and BMSCE proposed to submit the revised IDP seeking additional grant of Rs.8 crores.

The TEQIP Coordinator informed the committee that steps are initiated for preparation of the revised IDP by calling (i) proposals for upgrading existing equipment/laboratory from the HODs (ii) proposals for R&D projects from the faculty members and (iii) plan of action for conduct of Workshops/training programs/seminars/symposiums etc. from the various departments. The committee authorized the Principal to convene the meeting of experts for scrutiny of the R & D proposals received.

11. Meeting of the Principals & co-ordinators at SFPU: The Principal informed the committee that meetings of the Principals and co-ordinators were held at SFPU in the presence of the Principal Secretary, Higher Education, GoK on 5th December 2014 and 16th March 2015, wherein the Principals made presentation on the status of activities and achievements under TEQIP II & CoE (Annexure-9).

12. Release of funds and status of Expenditure Incurred under TEQIP II as on 16.3.2015 out of 9 crores of grants received.

The TEQIP Coordinator informed the committee that the NPIU has communicated about the release of 4th installment of TEQIP II funds vide letter dated 7.1.15 and the college is expecting release of Rs.2 crores from the SFPU-Karnataka by 31.3.2015 and the BMSET has sanctioned an advance of Rs. One crore to TEQIP to keep the pace of activities. The committee noted the following details of expenditure incurred as on 16.3.15 and the plan of action on utilisation of balance funds put forth by the model officers present.

Page 5 of 10
<table>
<thead>
<tr>
<th>Head of Expenditure</th>
<th>Allocation (Rs. in lakhs)</th>
<th>Amount spent as on 16.3.15 (Rs. in lakhs)</th>
<th>Committed expenditure as on 16.3.15 (Rs. in lakhs)</th>
<th>BALANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Procurement</td>
<td>562.5</td>
<td>447.74</td>
<td>77.00</td>
<td>37.76</td>
</tr>
<tr>
<td>2. Assistantships</td>
<td>250</td>
<td>248.51</td>
<td>0</td>
<td>1.49</td>
</tr>
<tr>
<td>3. R&amp;D</td>
<td>62.5</td>
<td>27.76</td>
<td>2.5</td>
<td>32.24</td>
</tr>
<tr>
<td>4. Faculty &amp; Staff Development</td>
<td>125</td>
<td>121.87</td>
<td>3.02</td>
<td>0.11</td>
</tr>
<tr>
<td>5. All Cells</td>
<td>62.5</td>
<td>46.75</td>
<td>0.20</td>
<td>15.55</td>
</tr>
<tr>
<td>6. Capacity Development</td>
<td>25</td>
<td>19.23</td>
<td>0.05</td>
<td>5.72</td>
</tr>
<tr>
<td>7. Reforms</td>
<td>12.5</td>
<td>6.2</td>
<td>0.38</td>
<td>6.12</td>
</tr>
<tr>
<td>8. Student Support [EAP]</td>
<td>25</td>
<td>5.39</td>
<td>0.24</td>
<td>19.37</td>
</tr>
<tr>
<td>9. Incremental Operating Cost</td>
<td>125</td>
<td>73.45</td>
<td>2.3</td>
<td>49.25</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1550</strong></td>
<td><strong>986.50</strong></td>
<td><strong>85.49</strong></td>
<td><strong>167.61</strong></td>
</tr>
</tbody>
</table>

Plan of action for utilisation of balance of funds:

12.1 Procurement: The Procurement nodal officer Dr. M. S. Dharmaprajaka informed the committee that procurement to the extent of about Rs. 855 lakhs has been completed/committed/initiated and there is a need to draw procurement plan for the balance fund of Rs. 3.5 to Rs. 4 lakhs. The Academic nodal officers proposed the annual subscription of Anti-Plagiarism software namely "Turnitin", a proprietary item of M/s iParadigms Europe Limited from their exclusive distributors; in India i.e., M/s Infotech India Pvt. Ltd., Noida at an estimated cost of about Rs. 4,000.00/- The Committee after detailed discussion, accorded approval for subscribing the same, considering the importance and need to check the originality of the content of the research papers/reports being produced and published by the members of BMSCE, with the financial assistance of TEQIP funds.

12.2 Assistantships: The TEQIP Co-ordinator informed the committee that the teaching assistantship due till February 2015 to the students of M.Sc [Engg] by research, teaching assistantship to the final year students belonging to the SC/ST category till the end of May 2015 and the research assistantship to 14 research scholars till the end of June 2015 would be met out of the balance fund of Rs. 13.99 lakhs, i.e., after transferring Rs. 12.5 lakhs to the head of Assistantships from the head of IOC.
12.3 R&D: The TEQIP Co-ordinator-I informed the members that the committee has already accorded approval for a financial assistance upto Rs. 5 lakhs for each of the national conferences namely (i) 3rd International Conference on Micro Perspectives for Decentralised Energy Supply-MES 2015, to be held during 23rd to 25th April 2015 in association with Technical University of BERLIN, Germany and University of California, Berkeley, USA and (ii) IACC 2015-IEEE International Advance Computing Conference" during June 12-13, 2015.

The committee accorded approval for the proposal of TEQIP Coordinator-I to utilise the balance fund of about Rs. 20 lakhs towards the project work of students of M.Tech/MSc (Eng.) by research, the fiscal incentive up to a maximum of Rs.20,000/- per a batch of 3 to 4 students of final year for their final semester Project work, [current academic year ends by June 2015], the expenditure for chemicals, consumables/lab tests etc., by the research scholars registered in the college, the honorarium & travel expenses in respect of experts' services approved for the Mechanical and Electrical cluster departments, for supporting the faculty for their journal publications if any and for the conduct of programs on R&D topics. The committee noted that with the above proposed utilisation of fund, the fund under the head of R & D will exhaust by the end of June 2015.

12.4 Faculty & Staff Development: The committee accorded approval to the proposal of Academic Nodal Officer (TNA) Dr. Gowrishankar for meeting the expenditure up to Rs.5 lakhs from the head of IOC towards Faculty & Staff Development and noted that this re-appropriation will keep the pace of the activities under the head 'Faculty & Staff development'.

12.5 III Cell: Dr. Indiravani, Coordinator for III, informed the members that an amount of Rs.4 lakhs would be spent on activities related to UG & PG students' placement, an amount of Rs.5 lakhs towards the conduction of the PHASE SHIFT 2015 - an event of the annual interaction with the industries on the side lines of exhibition of final year students' projects and on going R & D work of the VTU research centres at BMSC. Further, she informed the members that the remaining Rs.6.5 lakhs would be utilised towards industrial visits, conduction of industry related workshops, seminars and other related expenditure under the 22 MOUs that the college made with various industries.

12.6 Capacity Development: The TEQIP Co-ordinator-I informed the members that the expenses of management capacity development program to be attended by Dr. Lakshminarayana at Singapore (if the travel is approved by SPFU/APILA) would be met out, under this head of account and the remaining amount would be spent on the 'management capacity development program' for HODs and senior professors proposed to be conducted in collaboration with the premier institutions of the country.

12.7 Reforms: The TEQIP Co-ordinator-I informed the members that it is proposed to meet the accreditation fee for NBA and to meet the expenditure on the meetings to be
conducted on curriculum revision/restructuring and guest lectures by experts etc., from the balance amount of Rs.6.12 lakhs, under this head.

12.8 Student Support (EAP): The coordinators of the EAP, Dr. Guruprasad & Dr. Lakshminaryana informed the members that printed workbook/study material designed and developed by the faculty of English, Prof. Rajalakshmi, is made available for the UG students who have failed in the online diagnostic test conducted and special classes in Mathematics have been conducted to the slow learners. They have also informed the members that it is proposed to conduct training on soft skills to the M.Tech. Students by utilizing the balance fund of this head of account and they have completed construction & evaluation of the diagnostic tests.

12.9 Incremental Operating Cost: The TEOIP Co-ordinator informed the members that after the transfer of Rs.17.5 lakhs as per the approved re-appropriation, the remaining amount of about Rs.32 lakhs will be utilised to meet the salary expenses of TEOIP office staff, remuneration to staff and other permissible expenditure under this head of account till the end of the project period.

The committee accorded approval for the re-appropriation of funds from the head of account of IOC to the head of accounts namely, Assistanship & Faculty & Staff development as noted above while noting the proposed plan of action for utilization of balance of fund under various head of accounts.

The committee sought a brief report on the impact of TEOIP activities on the students in terms of their semester results, placement, publication etc., from the Academic Nodal officers, Dr. H. S. Guruprasad & Dr. S. Gowrishankari and they have agreed to present the details in the next BQG subcommittee meeting.

13 R&D Proposals by B.T students:

13.1 Design & Development of Quad copter:
The committee perused the proposal submitted by the 5th semester students of BE (TC) for building 'QUADCOPPER', an in-house with a financial assistance of Rs.52,000/- towards parts & consumables and accorded approval for same.

13.3 Prototype experiment:
The committee took note of the proposal submitted by Sri. Gunendhra Kumar Sah, I year student of BE (EEE) for conducting prototype experiment and ratified the release of financial assistance of Rs.10,000/-for the said proposal.

13.3 Integrated Nano-Grid:
The committee perused the proposal submitted by Dr. F. Meena & HCO-EEE consisting of 12 students of BE (EEE) for an in-house project, 'integrated Nano-Grid' seeking a financial assistance of Rs.1.25 lakhs towards parts & consumables and accorded approval for same.
14 CENTER OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH

14.1 Status of Expenditure incurred under COE as on 16.3.2015

The committee noted the following financial status/expenditure incurred under the COE as on 16.3.2015:

<table>
<thead>
<tr>
<th>Head of Expenditure</th>
<th>Allocation (Rs. in lakhs)</th>
<th>Amount spent (Rs. in lakhs)</th>
<th>Committed expenditure (Rs. in lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procurement</td>
<td>275</td>
<td>114.39</td>
<td>112.15</td>
</tr>
<tr>
<td>Assistantships</td>
<td>50</td>
<td>6.8</td>
<td>1.36</td>
</tr>
<tr>
<td>R&amp;D</td>
<td>50</td>
<td>3.04</td>
<td>-</td>
</tr>
<tr>
<td>Faculty &amp; Staff Development</td>
<td>50</td>
<td>0.77</td>
<td>-</td>
</tr>
<tr>
<td>IC-Cells</td>
<td>25</td>
<td>0.20</td>
<td>-</td>
</tr>
<tr>
<td>Incremental Operating Cost</td>
<td>5.0</td>
<td>9.86</td>
<td>1.35</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>500</strong></td>
<td><strong>135.96</strong></td>
<td><strong>124.86</strong></td>
</tr>
</tbody>
</table>

14.2 Progress of procurement made as on date:

The committee also noted the status of procurement as on date as mentioned below:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Allotment under Procurement</td>
<td>Rs. 275 Lakhs</td>
</tr>
<tr>
<td>Procurement completed</td>
<td>Rs. 125 Lakhs</td>
</tr>
<tr>
<td>Purchase orders released &amp; waiting for delivery</td>
<td>Rs. 96 Lakhs</td>
</tr>
<tr>
<td>Initiated area in process (estimated cost)</td>
<td>Rs. 70 Lakhs</td>
</tr>
</tbody>
</table>

14.3 Appointment of Research Assistants, operators under COE:

(i) The committee noted that applications were invited for appointment of (i) Research Assistants, (ii) operator for multi axis abrasive waterjet cutting machine (iii) operator for the Scanning Electronic Microscope (SEM) and X-RAY DIFFRACTOMETER SYSTEM (XRD) during February 2015 and interview was conducted for the eligible candidates on 12.3.15. The committee perused the recommendations of the selection committee and accorded approval to appoint (i) Sri. Hiranjana C.A. (ii) Sri. Madhu Sudan I. and (iii) Smt. Rani Sutar as research assistants under the COE at a consolidated monthly remuneration of Rs. 18,000/-.

(ii) The committee also accorded approval for appointment of (i) Sri.K.Rajesh as operator for SEM & XRD at a consolidated salary of Rs.22,000/-per month with applicable PF and (ii) Sri. G. Shivavitha as operator for waterjet cutting machine at a consolidated salary of Rs.18,000/- per month with applicable PF.
14.4 Activities initiated:

Dr. M. Ramachandra, Coordinator, COE informed the members that the following activities have been initiated under the COE:

(i) A tender notification was published in the national/regional daily News Papers for procurement of XRD through NCB on 13 March 2015.

(ii) Under Collaborative research efforts, Sri. Madhav Murthy and Sri. Ram Rchit have availed support from COE to carry on their projects.

(iii) The equipment namely Dual Sputtering Equipment, Precision Impedance Analyser and Water Jet cutting machine are installed and put to use.

(iv) The village namely, 'Kethuvalli' near Bidadi has been identified for adoption by the college under COE as per the directions of NPIU/SPIFU for implementing Technology transfer as desired by the MVBD.

(v) 17 students of the first batch of M.Tech. (Manufacturing Engineering) are awarded teaching assistantship for the year 2014-15.

15 Any other items with the permission of the Chair

The committee noted that Sri. NemiraJ Kanti, Registrar, placed as in-charge AAC, in place of Sri. B.R. Mahadevaiah has been paid the honorarium/ remuneration from TEQIP II and ratified the same.

The meeting concluded with a vote of thanks to the chair.

[Signatures]

Prof. D. Thukaram
CHAIRMAN

Dr. N. Mallikarjunaraju
PRINCIPAL and CONVENER
The Expert Committees were constituted and the meetings were held as below:

a) The Expert Committee meeting held on 26th March 2015 at TEQIP seminar hall:

<table>
<thead>
<tr>
<th>Name of Committee Members</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prof. Sudheer, Dept. of Electronics Engg, UVCE Bangalore</td>
<td>Chairman</td>
</tr>
<tr>
<td>• Prof. Lawrence Jenkin, Electrical &amp; Electronics Engineering, IISc, Bangalore</td>
<td>Member</td>
</tr>
<tr>
<td>• Prof. Martin Jebraj, R&amp;D Director, BMSCE Bangalore</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>• Electrical &amp; Electronics Engineering</td>
</tr>
<tr>
<td></td>
<td>• Electronics &amp; Communication Engineering</td>
</tr>
<tr>
<td></td>
<td>• Instrumentation &amp; Technology (E&amp;I)</td>
</tr>
<tr>
<td></td>
<td>• Telecommunication Engineering</td>
</tr>
<tr>
<td></td>
<td>• Medical Electronics</td>
</tr>
</tbody>
</table>

b) The Expert Committee meeting held on 27th March 2015 at Board Room:

<table>
<thead>
<tr>
<th>Name of Committee Members</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prof. Jayanth M.Modak, Department of Chemical Engineering, IISc, Bangalore</td>
<td>Chairman</td>
</tr>
<tr>
<td>• Prof. Giridhar M, Department of Chemical Engineering, IISc, Bangalore</td>
<td>Member</td>
</tr>
<tr>
<td>• Prof. Martin Jebraj, R&amp;D Director, BMSCE Bangalore</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>• Bio-Technology</td>
</tr>
<tr>
<td></td>
<td>• Chemical Engineering</td>
</tr>
<tr>
<td></td>
<td>• Chemistry</td>
</tr>
<tr>
<td></td>
<td>• Physics</td>
</tr>
</tbody>
</table>

c) The Expert Committee meeting held on 27th March 2015 at TEQIP seminar hall:

<table>
<thead>
<tr>
<th>Name of Committee Members</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prof. V. Arunkumar Former Scientist, NAL &amp; Prof. Dr. AIT Bangalore</td>
<td>Chairman</td>
</tr>
<tr>
<td>• Prof. N.V.R. Naidu Department of Industrial Engineering &amp; Management, MSRIT Bangalore</td>
<td>Member</td>
</tr>
<tr>
<td>• Prof. Martin Jebraj, R&amp;D Director, BMSCE Bangalore</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>• Industrial Engineering &amp; Management</td>
</tr>
</tbody>
</table>
d) The Expert Committee meeting held on 27th March 2015 at TEQIP seminar hall:

<table>
<thead>
<tr>
<th>Name of Committee Members</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prof. Rajasikanth</td>
<td>• Computer Science &amp; Engineering</td>
</tr>
<tr>
<td>Former Principal, MSRIT</td>
<td></td>
</tr>
<tr>
<td>Bangalore</td>
<td></td>
</tr>
<tr>
<td>• Deepak D Souza</td>
<td></td>
</tr>
<tr>
<td>Assoc Professor Department</td>
<td>Member</td>
</tr>
<tr>
<td>of CSE, IISc Bangalore</td>
<td></td>
</tr>
</tbody>
</table>

e) The Expert Committee meeting held on 27th March 2015 at TEQIP seminar hall:

<table>
<thead>
<tr>
<th>Name of Committee Members</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Prof. A Sridharan, Dept of Civil Engineering, IISc, Bangalore</td>
<td>Chairman</td>
</tr>
<tr>
<td>• Prof. Martin Jebraj, R&amp;D Director, BMSCE Bangalore</td>
<td>Member</td>
</tr>
</tbody>
</table>

f) The Expert Committee meeting held on 24th March 2015 at TEQIP seminar hall:

<table>
<thead>
<tr>
<th>Name of Committee Members</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Dr. S Seshan, Prof, Mechanical Engineering, IISc, Bangalore</td>
<td>Chairman</td>
</tr>
<tr>
<td>• Prof. V. Arun Kumar, Former Scientist, NAL &amp; Prof., DrAIT Bangalore</td>
<td>Member</td>
</tr>
</tbody>
</table>
| • Prof. Martin Jebraj, R&D Director, BMSCE | }
BMS COLLEGE OF ENGINEERING, BANGALORE 560 019
Technical Education Quality Improvement Programme - Phase II (TEQIP-II)

MINUTES OF THE EXPERT COMMITTEE MEETING HELD ON 26.03.2015
AT 11:30 AM IN THE TEQIP SEMINAR HALL OF THE COLLEGE TO REVIEW
THE PROPOSALS FOR TEQIP PHASE II SUBMITTED BY DEPARTMENTS OF
ELECTRICAL & ELECTRONICS ENGINEERING (EEE), ELECTRONICS &
COMMUNICATION ENGINEERING (ECE), INSTRUMENTATION &
TECHNOLOGY (ET), TELECOMMUNICATION ENGINEERING (TCE) AND
MEDICAL ELECTRONICS (ML)

Members Present:

1. Prof. Lawrence Jenkins
   Chairman
   Professor,
   Department of Electrical & Electronics Engineering
   TISSc, Bangalore

2. Dr. M.L. Sudheer
   Member
   Professor
   Department of Electronics Engineering,
   UVCE, Bangalore

3. Dr. C.N. Sekhar-Vice-Principal & Programme Coordinator-I
4. Dr. L. Ravikumar- Programme Coordinator-II

At the outset, Vice-Principal, BMSCE extended a cordial welcome to the
distinguished members of the Committee. The Vice-Principal then gave a brief
overview of the TEQIP [Phase II] project and efforts to get additional funds to
the institution and events leading to the present meeting.

Pursuant to this, the HoDs and faculty members of the concerned Departments
who submitted Research proposals made brief presentations in the following
streams:

1. ELECTRICAL & ELECTRONICS ENGINEERING (EEE) - 4 Proposals
2. ELECTRONICS & COMMUNICATION ENGINEERING (ECE) - 6 Proposals
3. INSTRUMENTATION & TECHNOLOGY (ET) - 1 Proposal
4. TELECOMMUNICATION ENGINEERING (TCE) - 3 Proposals
5. MEDICAL ELECTRONICS - 3 Proposals

The Committee met and discussed the proposals prepared by the Departments
in respect of the proposed Research activities at the College to be financed
under TEQIP II. Each investigator made a brief presentation of the proposal
before the Committee indicating the main activities of the research. Each of
them also gave highlights of the proposals submitted listing the equipment
requirements for augmenting the facilities including the estimated cost for the
same. The investigators were requested to include all the suggestions made by
the Committee members and reconsider the budget requirement and submit the
proposals with the revised budget details without compromising the objective of
the project. All the proposers submitted their revised proposal to the expert
committee for consideration. The committee advised the proposers to explore
possibilities of getting additional funds from other sources.

Dr. Ravishankar Deekshit, HOD- EEE and Shri. Harish. V. Mekali, Assistant
Professor - ECE withdrew one proposal each as per the directions of the
committee. After the revised proposals were received, the Committee
considered all the revised proposals to be meritorious and recommended 15
proposals to encourage the R & D activities.

The finalized list indicated by the Departments are given in Annexure-1.

It is recommended that the proposals may be given due consideration for
further process of getting additional funds under TEQIP-II.

Dr. M. J. Sudheer
Professor - Electronics Engineering,
UVCE, Bangalore

Prof. Lawrence Jenkins
Professor - Electrical & Electronics
Engineering, IISc, Bangalore
<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Design and Implementation of Wind Turbine based Intelligent and Efficient Energy Harvesting Control System</td>
<td>Electrical &amp; Electronics Engineering</td>
<td>Dr. Lakshminarayana.C</td>
<td>Professor</td>
<td>6.09 0.65 6.74</td>
</tr>
<tr>
<td>1</td>
<td>Switched Reluctance Machine (SMM) Drive (Equipment Proposed)</td>
<td>Electrical &amp; Electronics Engineering</td>
<td>Dr. L. Venkatesh</td>
<td>Professor</td>
<td>9.00 9.00</td>
</tr>
<tr>
<td>2</td>
<td>A novel method to demonstrate the effective utilization of renewables on an integrated grid</td>
<td>Electrical &amp; Electronics Engineering</td>
<td>Dr. P. Meena</td>
<td>Associate Professor</td>
<td>2.50 4.00 6.50</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>17 5 22</strong></td>
</tr>
<tr>
<td>1</td>
<td>Development of IoT driven agronomy for rural India</td>
<td>Electronics &amp; Communication Engineering</td>
<td>Dr. Veena M.B</td>
<td>Associate Professor</td>
<td>5.27 0.75 6.02</td>
</tr>
<tr>
<td>2</td>
<td>Equipment Proposed- Wireless Digital Communication Framing platform, RF power Measurement meter, GSM/ GPRS Module, Laptops</td>
<td>Electronics &amp; Communication Engineering</td>
<td>Suma M N</td>
<td>Associate Professor</td>
<td>13.31 0.00 13.31</td>
</tr>
<tr>
<td>3</td>
<td>Design and development of IoT device for smart irrigation</td>
<td>Electronics &amp; Communication Engineering</td>
<td>Harish V Me kali</td>
<td>Assistant Professor</td>
<td>5.00 2.00 7.00</td>
</tr>
<tr>
<td>4</td>
<td>Ubiquitous lab assistant system</td>
<td>Electronics &amp; Communication Engineering</td>
<td>Harish V Me kali</td>
<td>Assistant Professor</td>
<td>2.20 1.20 3.40</td>
</tr>
<tr>
<td>5</td>
<td>Real Time Health monitoring of fliyovers</td>
<td>Electronics &amp; Communication Engineering</td>
<td>Dr. K. P. Lakshmi</td>
<td>Associate Professor</td>
<td>4.00 1.00 5.00</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>30 5 35</strong></td>
</tr>
<tr>
<td>SL No</td>
<td>Title of the Proposal</td>
<td>Dept</td>
<td>Name of the Investigator</td>
<td>Designation</td>
<td>Non- Recurring Laks</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------</td>
<td>------</td>
<td>--------------------------</td>
<td>-------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>1</td>
<td>Neuroprosthesis implant of Bio MEMs to enhance visual ability</td>
<td>Instrumentation</td>
<td>Dr Mamatha M N</td>
<td>Associate Professor</td>
<td>2.50</td>
</tr>
</tbody>
</table>

Total

<table>
<thead>
<tr>
<th>SL No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Non- Recurring Laks</th>
<th>Recurring Laks</th>
<th>Total Budget Laks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Internet of Things(IOT) Measurement and Control Lab</td>
<td>Telecommunication Engineering</td>
<td>T.Anushalitha</td>
<td>Assistant Professor</td>
<td>1.00</td>
<td>1.00</td>
<td>2.00</td>
</tr>
<tr>
<td>2</td>
<td>Computer Network with Data Communication Laboratory</td>
<td></td>
<td>Shreenivas B</td>
<td>Assistant Professor</td>
<td>4.28</td>
<td>1.73</td>
<td>6.01</td>
</tr>
<tr>
<td>3</td>
<td>Software Defined Radio(SDR) Design Laboratory</td>
<td></td>
<td>Pushpavathi.K.P</td>
<td>Assistant Professor</td>
<td>7.09</td>
<td>7.09</td>
<td>7.09</td>
</tr>
</tbody>
</table>

Total

<table>
<thead>
<tr>
<th>SL No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Non- Recurring Laks</th>
<th>Recurring Laks</th>
<th>Total Budget Laks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IOT based e-Health Enabled Biosignal Monitoring Platform and its Analytics</td>
<td>Medical Electronics</td>
<td>Dr H N Suma</td>
<td>Professor &amp; Head</td>
<td>7.50</td>
<td>7.50</td>
<td>7.50</td>
</tr>
<tr>
<td>2</td>
<td>Fabrication of Nano films Tin Oxide (SnO2) Humidity Sensor using physical Vapour Deposition technique for humidity sensor applications</td>
<td></td>
<td>Appaji M Abhishek</td>
<td>Assistant Professor</td>
<td>8.00</td>
<td>8.00</td>
<td>8.00</td>
</tr>
<tr>
<td>3</td>
<td>24 Channel EEG USB Powered portable EEG System for upgradation of PG Lab</td>
<td></td>
<td>Mrs.Vijalakshmi</td>
<td>Assistant Professor</td>
<td>3.50</td>
<td>3.50</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Total

-15
MINUTES OF THE EXPERT COMMITTEE MEETING HELD ON 31-03-2015
AT 10:30 AM IN THE TEQIP SEMINAR HALL OF THE COLLEGE TO REVIEW
THE PROPOSALS FOR TEQIP PHASE II SUBMITTED BY DEPARTMENTS OF
BIOTECHNOLOGY, CHEMICAL ENGINEERING, CHEMISTRY AND PHYSICS.

Members Present:

1. Prof. Jayant M. Modek
   Department of Chemical Engineering,
   IISc, Bangalore
   Chairman

2. Prof. Girishwar M
   Department of Chemical Engineering,
   IISc, Bangalore
   Member

3. Dr. Martin Jebiraj
   R & Director, BMSCE, Bangaluru
   Member

4. Dr. Y. Mallikarjuna Babu
   Principal, BMSCE

5. Dr. G. N. Sekhar
   Vice-Principal & Programme Coordinator-I

6. Dr. L. Ravikumar
   Prof Mechanical Engg. & Prog. Coordinator-I

At the outset, Principal, BMSCE extended a cordial welcome to the distinguished members of the Committee. The Principal then gave a brief overview of the TEQIP [Phase II] project. Institutional allocation and events leading to the present meeting.

Pursuant to this, the HoDs and faculty members of the concerned Departments who submitted Research proposals made brief presentations in the following streams:

1. BIOTECHNOLOGY
2. CHEMICAL ENGINEERING
3. CHEMISTRY
4. PHYSICS

The Committee met and discussed the proposals prepared by the Departments in respect of the proposed Research activities at the College to be financed under TEQIP II. Each proposer made a brief presentation of the proposal before the Committee indicating the main activities of the research. Each of them also gave highlights of the proposals submitted listing the equipment requirements for augmenting the facilities including the estimated cost for the same. The committee directed Dr. G. N. Ramesh, Associate Professor, Department of Chemical Engineering to resubmit the proposal with clear objectives for consideration during the next call for proposals.
The investigators were requested to include all the suggestions made by the Committee members and relook into the budget requirement and submit the proposals with the revised budget details. All the proposers except Dr. G. N. Rameshiah submitted their revised proposal to the expert committee for consideration. The committee advised the proposers to explore possibilities of getting additional funds from other sources.

The Committee considered all the nine revised proposals to be meritorious and recommended all the proposals of the Departments to encourage the R & D activities.

The finalized list indicated by the Department is given in Annexure-I.

It is recommended that the proposals may be given due consideration for further process of getting additional funds under TEQIP-II.

Prof. Jayant M. Modak
Department of Chemical Engineering, IISc, Bangalore
Chairman

Prof. Vinodhish M
Department of Chemical Engineering, IISc, Bangalore
Member

Dr. Martin Jebaraj
R & D Director, BMSCE
Member
### BMS College of Engineering, Bangalore 560019

**Technical Education Quality Improvement Programme Phase II (TEQIP II)**

**Research Proposals recommended by Experts for consideration from additional grants under TEQIP-II Grants (31 03 2015)**

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Recurring-Lakhs</td>
</tr>
<tr>
<td>1</td>
<td>Cloning, overexpression purification and Biochemical and Biophysical Studies on Human Phosphohydrol Scramblase 1 (hPLSCR1) upon metal ion binding</td>
<td>Biotechnology</td>
<td>Ashok Kumar S</td>
<td>Assistant Professor</td>
<td>9.00</td>
</tr>
<tr>
<td>2</td>
<td>Studies on the in-vitro propagation of Exacum bicolor roxb. and evaluation of its bioactive compounds for treatment of cancer</td>
<td>Biotechnology</td>
<td>Dr. V. Saisha</td>
<td>Assistant Professor</td>
<td>5.50</td>
</tr>
</tbody>
</table>

**Biotechnology - Total**: 15 3 17

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Recurring-Lakhs</td>
</tr>
<tr>
<td>1</td>
<td>Experimental investigation of burning behavior of biomass blends in oxy-fuel environment</td>
<td>Chemical Engineering</td>
<td>Shivakumar R</td>
<td>Assistant Professor</td>
<td>4.40</td>
</tr>
<tr>
<td>2</td>
<td>Equipment Proposed: a) High Quality water purification system for biochemical analysis b) Brookfield Viscometer c) Ultra-sonicator d) Siphon Pump with auto sampler for existing UV Visible System</td>
<td>Chemical Engineering</td>
<td>Dr. Chetan A Nayak</td>
<td>Assistant Professor</td>
<td>10.00</td>
</tr>
</tbody>
</table>

**Chemical Engineering - Total**: 14 2 16
<table>
<thead>
<tr>
<th>SI No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Non-Recurring-Lakhs</td>
</tr>
<tr>
<td>1</td>
<td>Synthesis and Applications of some Novel Derivatives of Isatin and other Indole Alkaloids</td>
<td></td>
<td>Dr. Madhu G</td>
<td>Assistant Professor</td>
<td>8.00</td>
</tr>
<tr>
<td>2</td>
<td>Ethanol production from prehydrolysis liquor of pulp and paper industries</td>
<td>Chemistry</td>
<td>Dr. Dharamaparakash MS</td>
<td>Professor</td>
<td>0.00</td>
</tr>
<tr>
<td>3</td>
<td>Liquid Crystals carbon nanospheres incorporated composite mixture for enhancing phase transition</td>
<td></td>
<td>Dr. Gurumurthy Hegde</td>
<td>Associate Professor</td>
<td>10.00</td>
</tr>
<tr>
<td>4</td>
<td>Development of ceria/titania doped Zirconia-graphene composites for photocatalysis and energy applications</td>
<td>Chemistry</td>
<td>Dr. K L Nagashree</td>
<td>Assistant Professor</td>
<td>2.30</td>
</tr>
</tbody>
</table>

Chemistry - Total  20  4  24

| 1     | Optical Storage Material                                                              | Physics           | B L Suresha              | Assistant Professor | 9.00                | 1.00                | 10.00               |

Physics - Total  9  1  10
COLLEGE OF ENGINEERING, BANGALORE 560 019
Technical Education Quality Improvement Programme – Phase II (TEQIP-II)

MINUTES OF THE EXPERT COMMITTEE MEETING HELD ON 27.03.2015
AT 12.00 PM IN THE TEQIP SEMINAR HALL OF THE COLLEGE TO REVIEW
THE PROPOSALS FOR TEQIP PHASE II SUBMITTED BY DEPARTMENT OF
INDUSTRIAL ENGINEERING & MANAGEMENT

Members Present:

1. Prof. V. Arunkurayar
   Former Scientist, HAL & Prof. Dr. AIT Bangalore
   Chairman

2. Prof. N.V.R. Naidu
   Dept. of Industrial Engineering & Management
   MSIT Bangalore
   Member

3. Prof. Martin Jebraj
   R & D Director, BMSCE
   Member

4. Dr. K. Malikharjuna Babu, Principal, BMSCE
5. Dr. G. N. Seethar, Vice-Principal & Programme Coordinator-I
6. Dr. L. Ravikumar, Professor Mechanical Engg. & Programme Coordinator-II

At the outset, Principal, BMSCE extended a cordial welcome to the distinguished members of the committee. The Principal then gave a brief overview of the TEQIP [Phase II] project, Institutional allocation and events leading to the present meeting.

Pursuant to this, the HoDs and faculty members of the Department of Industrial Engineering & Management who submitted Research proposals made brief presentations in the following streams:

1. INDUSTRIAL ENGINEERING & MANAGEMENT – 3 Proposals

The Committee met and discussed the proposals prepared by the Departments in respect of the proposed Research activities at the College to be financed under TEQIP II. Each proposer made a brief presentation of the proposal before the Committee indicating the main activities of the research. Each of them also gave highlights of the proposals submitted listing the equipment requirements for augmenting the facilities including the estimated cost for the same. The investigators were requested to include all the suggestions made by the Committee members and relook into the budget requirement and submit the proposals with the revised budget details. All the proposers submitted their revised proposal to the expert committee for consideration. The committee advised the proposers to explore possibilities of getting additional funds from other sources.
After the revised proposals were received, the Committee considered all the revised proposals to be meritorious and recommended all the proposals of the Department Industrial Engineering & Management to encourage the R & D activities.

The finalized list indicated by the Department is given in Annexure-I and Annexure II.

It is recommended that the proposals may be given due consideration for further process of getting additional funds under TEQIP-II.
<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
<th>Total Budget in Lakhs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Development of bumpfoil radial air bearing testing for application in typical small gas turbine and testing air foil thrust bearing</td>
<td>Engineering &amp; Management</td>
<td>Dr. Rathnaj K.J</td>
<td>Professor and Head</td>
<td>9.80</td>
<td>10.00</td>
</tr>
<tr>
<td></td>
<td>&quot;Establishing Fundamental Data For Human Engineering Research&quot;</td>
<td>Engineering &amp; Management</td>
<td>Dr. B. Ravishankar</td>
<td>Professor &amp; Associate Dean</td>
<td>7.73</td>
<td>7.73</td>
</tr>
<tr>
<td></td>
<td>Design and Develop Business Intelligence tool to automatically detect and collect the information to perform logical OR operation</td>
<td>Industrial Engineering</td>
<td>Dr. B R Ramji</td>
<td>Assistant Professor</td>
<td>6.16</td>
<td>6.16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total in Lakhs</td>
<td></td>
<td></td>
<td>24</td>
<td>0</td>
</tr>
</tbody>
</table>
MINUTES OF THE EXPERT COMMITTEE MEETING HELD ON 27.03.2015 AT 10:30 AM IN THE TEQIP SEMINAR HALL OF THE COLLEGE TO REVIEW THE PROPOSALS FOR TEQIP PHASE II SUBMITTED BY DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Members Present:

1. Prof. Rajanikanth                                                Chairman
   Former Principal, MSRIT, Bangalore
2. Prof Deepak D Souza                                           Member
   Department of Computer Science and Engineering
   IISc Bangalore
3. Dr.K Mallikharjuna Babu-Principal, BMSCE
4. Dr.G.N.Sekhar-Vice-Principal & Programme Coordinator-I
5. Dr.L.Ravikumar, Professor Mechanical Engg. & Programme Coordinator-II

At the outset, Principal, BMSCE extended a cordial welcome to the distinguished members of the Committee. The Principal then gave a brief overview of the TEQIP [Phase II] project, Institutional allocation and events leading to the present meeting.

Pursuant to this, the HoDs and faculty members of the Department Computer Science & Engineering who submitted Research proposals made brief presentations in the following streams:

COMPUTER SCIENCE & ENGINEERING (CSE) – 3 Proposals

The Committee met and discussed the proposals prepared by the Departments in respect of the proposed Research activities at the College to be financed under TEQIP II. Each proposer made a brief presentation of the proposal before the Committee indicating the main activities of the research. Each of them also gave highlights of the proposals submitted listing the equipment requirements for augmenting the facilities including the estimated cost for the same. The investigators were requested to include all the suggestions made by the Committee members and relook into the budget requirement and submit the proposals with the revised budget details. All the proposers submitted their revised proposal to the expert committee for consideration. The committee advised the proposers to explore possibilities of getting additional funds from other sources.
After the revised proposals were received, the Committee considered all the revised proposals to be meritorious and recommended all the proposals of the Department of Computer Science & Engineering to encourage the R & D activities.

The finalized list indicated by the Department is given in Annexure-I and Annexure II.

It is recommended that the proposals may be given due consideration for further process of getting additional funds under EQIP-II.

Prof. Deependra D Souza

Professor,
Department of CSE
IISc Bangalore

K Saubhagya 20/3/2015
Prof. Rajanikanth
Former Principal,
MSRIT, Bangalore
<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Osteoarthritis Disease Diagnosis by Thermal Image Analysis</td>
<td>Computer Science &amp; Engineering</td>
<td>Dr. Umadevi V</td>
<td>Associate Professor</td>
<td>2.50 1.50 4.00</td>
</tr>
<tr>
<td>1</td>
<td>Wearable Smart Locator Band for People with Dementia, and Alzheimer</td>
<td>Computer Science &amp; Engineering</td>
<td>Dr M Indiramma</td>
<td>Professor</td>
<td>4.10</td>
</tr>
<tr>
<td>2</td>
<td>Wireless Sensor based Wearable Emotion Detection Device and Analytics for Autism</td>
<td>Computer Science &amp; Engineering</td>
<td>Dr M Indiramma</td>
<td>Professor</td>
<td>4.75 4.75</td>
</tr>
<tr>
<td>3</td>
<td>Disorders</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Total in Lakhs</td>
<td></td>
<td></td>
<td></td>
<td>2.5 10.35 12.85</td>
</tr>
</tbody>
</table>


MINUTES OF THE EXPERT COMMITTEE MEETING HELD ON 27.03.2015 AT 4:30 PM IN THE BOARD ROOM OF THE COLLEGE TO REVIEW THE PROPOSALS FOR TEQIP PHASE II SUBMITTED BY DEPARTMENT OF CIVIL ENGINEERING.

Members Present:

1. Prof. A. Sridharan
   Department of Civil Engineering
   IISc Bangalore
   Chairman

2. Prof. Martin Jebrai
   R & D Director, BMSCE

3. Dr. K. Mallikharjuna Babu, Principal, BMSCE
4. Dr. G. N. Sekher-Vice-Principal & Programme Coordinator-I
5. Dr. L. Ravikumar, Professor Mechanical Engg. & Programme Coordinator-II

Member:

At the outset, Principal, BMSCE extended a cordial welcome to the distinguished members of the Committee. The Principal then gave a brief overview of the TEQIP [Phase II] project, Institutional allocation and events leading to the present meeting.

Pursuant to this, the Heads and faculty members of the Department Civil Engineering who submitted Research proposals made brief presentations in the following streams:

CIVIL ENGINEERING - 2 Proposals

The Committee met and discussed the proposals prepared by the Departments in respect of the proposed Research activities at the College to be financed under TEQIP II. Each proposer made a brief presentation of the proposal before the Committee indicating the main activities of the research. Each of them also gave highlights of the proposals submitted listing the equipment requirements for augmenting the facilities including the estimated cost for the same. The investigators were requested to include all the suggestions made by the Committee members and relook into the budget requirement and submit the proposals with the revised budget details. All the proposers submitted their revised proposal to the expert committee for consideration. The committee advised the proposers to explore possibilities of getting additional funds from other sources.
After the revised proposals were received, the Committee considered all the revised proposals to be meritorious and recommended all the proposals of the Department of Civil Engineering to encourage the R & D activities.

The finalized list indicated by the Department is given in Annexure.
It is recommended that the proposals may be given due consideration for further process of getting additional funds under TEQIP-II.

Prof. A Sridharan
Department of Civil Engineering
IISc Bangalore

Prof. Martin Jeberaj
R & D Director, BMSCE, Bangalore
<table>
<thead>
<tr>
<th>SI No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Non-Recurring-Lakhs</th>
<th>Recurring-Lakhs</th>
<th>Total Budget in Lakhs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Acoustic Emission (AE) Data Acquisition Equipment with 8 sensors (Equipment Proposed)</td>
<td>Civil Engineering</td>
<td>Dr S Muralidhara</td>
<td>Professor</td>
<td>15</td>
<td>0</td>
<td>15.05</td>
</tr>
<tr>
<td>2</td>
<td>Assess and mapping the desertification risk areas using remote sensing &amp; gis</td>
<td></td>
<td>Dr. Sampath Kunar</td>
<td>Associate P</td>
<td>0</td>
<td>4</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>Total in Lakhs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>15</strong></td>
<td><strong>4</strong></td>
<td><strong>19</strong></td>
</tr>
</tbody>
</table>
BMS COLLEGE OF ENGINEERING, BANGALORE 560 019

Technical Education Quality Improvement Programme - Phase II (TEQIP-II)

MINUTES OF THE EXPERT COMMITTEE MEETING HELD ON 24.03.2015 IN THE TEQIP SEMINAR HALL OF THE COLLEGE TO REVIEW THE PROPOSALS FOR TEQIP PHASE II SUBMITTED BY DEPARTMENT OF MECHANICAL ENGINEERING.

Members Present
1. Dr. S. Seshan  Chairman
   Professor, Mechanical Engineering,
   IISc, Bangalore
2. Prof. V. Arun Kumar  Member
   Former Scientist, NAL & Prof., Dr. AIT, Bangalore
3. Prof. Martin Jebaraj  Member
   R & D Director, BMSCE
4. Dr. K. Mallikharjuna Babu-Principal, BMSCE
5. Dr. G. N. Sekhar-Vice-Principal & Programme Coordinator-I
6. Dr. J. Ravikumar- Programme Coordinator-II

At the outset, Principal, BMSCE extended a cordial welcome to the distinguished members of the Committee. The Principal then gave a brief overview of the TEQIP [Phase II] project, Institutional allocation and events leading to the present meeting.

Pursuant to this, the HoD and faculty members of the Department of Mechanical Engineering who submitted Research proposals made brief presentations in the following streams:

1. Design : 4 proposals
2. Thermal  : 3 proposals
3. Production : 6 proposals

The Committee met and discussed the proposals prepared by the Department in respect of the proposed Research activities at the College to be financed under TEQIP II. Each proposer made a brief presentation of the proposal before the Committee indicating the main activities of the research. Each of them also gave highlights of the proposals submitted listing the equipment requirements for augmenting the facilities including the estimated cost for the same. The investigators were requested to include all the suggestions made by the Committee members and relook into the budget requirement and submit the proposals with the revised budget details. All the proposers submitted their revised proposal to the expert committee for consideration. The committee advised the proposers to explore possibilities of getting additional funds from other sources.
After the revised proposals were received, the Committee considered all the revised proposals to be meritorious and recommended all the proposals of the Department of Mechanical Engineering to encourage the R & D activities.

The finalized list indicated by the Department is given in Annexure-I.

It is recommended that the proposals may be given due consideration for further process of getting additional funds under TEQIP-II.

Dr. S. Seshan
Professor - Mechanical Engineering, IISc, Bangalore

Prof Venkatesh
Former Scientist, NAL & Prof.,
Dr AIT, Bangalore

Prof. Arun Kumar

Prof. Martin Jebaraj
R & D Director,
BMSCE, Bangalore
<table>
<thead>
<tr>
<th>SI No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Studies on Newly conceptualized Padded seal fabrication and Testing under static and</td>
<td></td>
<td>Dr. J. Sharana Basavareja</td>
<td>Associate Professor</td>
<td>4.00 2.50 6.50</td>
</tr>
<tr>
<td>1</td>
<td>Dynamic condition</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Design, Analysis and Testing of Flexible Composite Hollow Shaft for Axial and Lateral</td>
<td></td>
<td>H.K. Rangavittal</td>
<td>Associate Professor</td>
<td>4.50 1.20 5.70</td>
</tr>
<tr>
<td>2</td>
<td>Misalignments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Studies on partial slip contacts.</td>
<td></td>
<td>Dr. Rammohan Y.S.</td>
<td>Associate Professor</td>
<td>3.75 4.75 8.50</td>
</tr>
<tr>
<td>3</td>
<td>Studies on Fretting corrosion on MMCs.</td>
<td></td>
<td>Dr. M G Patil</td>
<td>Associate Professor</td>
<td>4.50 4.25 8.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Experimental investigation of Microstructural characteristics and Tribological properties of modified Al-Si alloys solidified under the influence of mechanical vibration</td>
<td></td>
<td>Tataram K Chaven</td>
<td>Assistant Professor</td>
<td>7.00 0.50 7.50</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Recycling of Plastics from Urban Waster Management</td>
<td></td>
<td>Sreeanth N V</td>
<td>Assistant Professor</td>
<td>5.80 0.35 6.15</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Machining Studies of Advanced Materials using wire cut Electric discharge machine (WEDM)</td>
<td></td>
<td>Mr G Ugasen</td>
<td>Assistant Professor</td>
<td>13.00 13.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Develop coatings to enhance corrosion resistance of metals used in underwater applications</td>
<td></td>
<td>Dr G Giridhar</td>
<td>Professor</td>
<td>8.50 1.00 9.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>High temperature Wear studies of Thermal Barrier Coatings on Babbitt material</td>
<td></td>
<td>R Suresh Kumar</td>
<td>Assistant Professor</td>
<td>7.00 1.00 8.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Design, Development, Testing &amp; Analysis of Transparent neld for studying flow pattern of Resin inside an Advanced RTM facility</td>
<td></td>
<td>Madhav Murthy</td>
<td>Assistant Professor</td>
<td>3.80 2.63 6.43</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Research Proposals recommended by Experts for consideration from additional grants under TEQIP-II Grants (31.03.2015)

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Title of the Proposal</th>
<th>Dept</th>
<th>Name of the Investigator</th>
<th>Designation</th>
<th>Non-Recurring Lakhs</th>
<th>Recurring Lakhs</th>
<th>Total Budget in Lakhs</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Thermal Management of Space Electronics using Pulsating Heat Pipes</td>
<td>Mechanical Engg</td>
<td>Dr. Rudra Naik</td>
<td>Associate Professor</td>
<td>5.90</td>
<td>0.60</td>
<td>6.50</td>
</tr>
<tr>
<td>12</td>
<td>Optimization of Solar Thermal Storage System</td>
<td>Mechanical Engg</td>
<td>Devaraj K</td>
<td>Assistant Professor</td>
<td>6.00</td>
<td>0.50</td>
<td>6.50</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>74</strong></td>
<td><strong>19</strong></td>
<td><strong>93</strong></td>
</tr>
</tbody>
</table>
AUDITOR’S REPORT

I have audited the accompanying financial statements of B.M.S COLLEGE OF ENGINEERING, TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM : PHASE -II(DTEQIP-II) which comprises of the Balance Sheet as at 31st March 2015, and the Income and Expenditure Account for the year ended on that date.

Management of the Organisation is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements so as to give a true and fair view and are free from material misstatement, whether due to fraud or error.

My responsibility is to express an opinion on these financial statements based on my audit. I conducted the audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor’s judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

In my opinion and to the best of my information and according to the explanations given to me, the said Balance Sheet and Income & Expenditure Account, give the information in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

a. In the case of the Balance Sheet of the state of affairs of the Organisation as at March 31, 2015.

b. In the case of Income & Expenditure Account, of the Excess of expenditure over income for the year ended on that date.

Place: Bangalore
Date: 15-06-2015

B.N. JAYARAM
Chartered Accountant
M.No. 00262
## B.M.S. COLLEGE OF ENGINEERING, BANGALORE-560 019

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME: PHASE II (TEQIP-II)**

### BALANCE SHEET AS AT 31st MARCH 2015

<table>
<thead>
<tr>
<th>AS ON 31.03.2015</th>
<th>Liabilities</th>
<th>As On 31.03.2014</th>
<th>As On 31.03.2015</th>
<th>Assets</th>
<th>As On 31.03.2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Rs)</td>
<td>(Rs)</td>
<td>(Rs)</td>
<td>(Rs)</td>
<td>(Rs)</td>
</tr>
<tr>
<td>46,223,941.00</td>
<td>QP Balance of Grants received from SPTU</td>
<td>40,273,841.00</td>
<td>21,891,471.00</td>
<td>Fixed Assets [Schedule-I]</td>
<td>45,364,462.00</td>
</tr>
<tr>
<td></td>
<td>Add: Grants received from SPTU during the Year</td>
<td>20,000,000.00</td>
<td>13,021,181.00</td>
<td>Funds as Fixed Deposits [Schedule-III]</td>
<td>14,232,341.00</td>
</tr>
<tr>
<td></td>
<td>Less: Excess of Expenditure over Income</td>
<td>56,215,941.00</td>
<td>70,643.00</td>
<td>Funds as Savings Bank A/c [Schedule IV]</td>
<td>975,103.00</td>
</tr>
<tr>
<td>15,726,824.00</td>
<td>Funds [Schedule-II]</td>
<td>15,205,244.00</td>
<td>22,000,000.00</td>
<td>Current Assets:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Current Liabilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,715.00</td>
<td>Tax deducted at source</td>
<td>11,255.00</td>
<td>1,603,583.70</td>
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<tr>
<td>4,795.00</td>
<td>SPS Educational Trust</td>
<td>10,783,856.00</td>
<td>1,329,039.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120,274.00</td>
<td>BMSCCE</td>
<td>123,562.00</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>61,266,929.00</td>
<td>58,088,499.20</td>
<td>TOTAL</td>
<td>61,266,929.00</td>
</tr>
</tbody>
</table>

---

**Nodal Officer [FINANCE SPECTS]**

**Principal**

As per my report as on date...

Place: Bangalore
Date: 15-6-2015
<table>
<thead>
<tr>
<th>EXPENDITURE</th>
<th>CURRENT YEAR (Rs)</th>
<th>PREVIOUS YEAR (Rs)</th>
<th>INCOME</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Interest</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Application fee</td>
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<td>8.524,456.00</td>
<td>15,013,000.00</td>
<td>988,137.00</td>
<td>449,796.00</td>
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<tr>
<td>6,466,049.00</td>
<td>5,031,311.00</td>
<td>30,000.00</td>
<td>22,520.00</td>
</tr>
<tr>
<td>501,760.00</td>
<td>2,550,149.00</td>
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<td>30,384,227.00</td>
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<tr>
<td>1,792,334.00</td>
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<tr>
<td>2,734,031.00</td>
<td>1,990,165.00</td>
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</tr>
<tr>
<td>2,000.00</td>
<td>688,479.00</td>
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</tr>
<tr>
<td>22,55,284.00</td>
<td>22,55,284.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: All amounts are in Rs.*
<table>
<thead>
<tr>
<th>Previous Year</th>
<th>Receipts</th>
<th>Current Year</th>
<th>Payments</th>
<th>Current Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Rs.)</td>
<td>(Rs.)</td>
<td>(Rs.)</td>
<td>(Rs.)</td>
<td>(Rs.)</td>
</tr>
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<td>2,131,192.00</td>
<td>8,328,240.00</td>
<td>Procurement &amp; Equipment</td>
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<td>4,350.00</td>
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<td>1,379,059.00</td>
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<td>2,715.00</td>
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<td>2,715.00</td>
<td>2,331,482.00</td>
<td>BE QIP &amp; TECIP COE</td>
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<td>2,331,482.00</td>
<td>BE QIP &amp; TECIP COE</td>
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<td>55,831,562.00</td>
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NODAL OFFICER (FINANCE ASPECT): AAD

Principal: B. N. Narayana

Date: 15.06.2014
### SCHEDULE-I

**FIXED ASSETS**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Gross Block as on 01.04.2014</th>
<th>Additions</th>
<th>Deletions</th>
<th>Gross Block as on 31.03.2015</th>
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<tr>
<td>Books &amp; Uls</td>
<td>12,151,411.00</td>
<td>21,825,617.00</td>
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<td>Equipment</td>
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<td><strong>27,774,591.00</strong></td>
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### SCHEDULE-III

**FUNDS**

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<th>Particulars</th>
<th>As on 31.3.2015</th>
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<tr>
<td>Corpus Fund</td>
<td>3,971,090.00</td>
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<tr>
<td>Depreciation Renewal Fund</td>
<td>1,152.00</td>
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<td>Equipment Replacement Fund</td>
<td>1,038,034.00</td>
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<tr>
<td>Faculty Development Fund</td>
<td>1,016,034.00</td>
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<tr>
<td>Maintenance Fund</td>
<td>3,680,188.00</td>
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<td>Staff Development Fund</td>
<td>837,778.00</td>
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<td><strong>TOTAL</strong></td>
<td><strong>15,793,344.00</strong></td>
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### SCHEDULE-IV

**FUNDS: FIXED DEPOSITS**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>As on 31.3.2015</th>
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</thead>
<tbody>
<tr>
<td>Corpus Fund</td>
<td>3,559,035.00</td>
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<tr>
<td>Equipment Replacement Fund</td>
<td>1,558,581.00</td>
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<tr>
<td>Faculty Development Fund</td>
<td>1,538,036.00</td>
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<td>Maintenance Fund</td>
<td>3,352,079.00</td>
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<td><strong>TOTAL</strong></td>
<td><strong>14,322,141.00</strong></td>
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### SCHEDULE-V

**FUNDS: SB accounts**

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<tr>
<th>Particulars</th>
<th>SB a/c No. at Allahabad Bank</th>
<th>Balance as on 31.3.15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Development Fund</td>
<td>90992591117</td>
<td>867,774.00</td>
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<tr>
<td>Corpus Fund</td>
<td>90992599308</td>
<td>115,001.00</td>
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<td>Maintenance Fund</td>
<td>90992573175</td>
<td>1,122.04</td>
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<tr>
<td>Depreciation Renewal Fund</td>
<td>90992507338</td>
<td>475,193.00</td>
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<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>1,470,193.00</strong></td>
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**NODAL OFFICER (REFERENCE ASPECTS)**

Principal

**Date:** 15th May 2015
## UTILIZATION CERTIFICATE

<table>
<thead>
<tr>
<th>Sl.</th>
<th>Particulars</th>
<th>Amount in Rupees</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Opening Balance as on 31st April 2014</td>
<td>2,51,38,638.00</td>
</tr>
<tr>
<td>b)</td>
<td>Funds Received from SPFU letter No.DTE/TEQIP/FIN/CR-88/2014-15.VOL-II dated 17.11.2014</td>
<td>2,00,00,000.00</td>
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<tr>
<td>c)</td>
<td>Interest earned on grant available for teqip-II during the year</td>
<td>4,49,706.00</td>
</tr>
<tr>
<td>d)</td>
<td>Other Income (Bis application fee)</td>
<td>22,500.00</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>4,56,11,044.00</strong></td>
</tr>
<tr>
<td>e)</td>
<td>Expenditure during the year</td>
<td>5,50,26,694.00</td>
</tr>
<tr>
<td>f)</td>
<td>Excess Spent as on 31st March 2015</td>
<td>( 94,15,650.00 )</td>
</tr>
</tbody>
</table>

Certified that out of Rs.2,00,00,000/- of Grants-in-aid sanctioned during the year 2014-15 in favour of the Principal, BMS College of Engineering, Bangalore-19 under the Department letter No. SPFU letter No.DTE/TEQIP/FIN/CR-88/2014-15.VOL-II dated 17.11.2014.

It is also certified that out of the above mentioned funds of Rs.4,56,11,044/- (Rupees Four Crores Fifty Six Lakhs Eleven Thousand and Forty Four Only) a sum of Rs.5,50,26,694/- (Rupees Five Crores Fifty Lakhs Twenty Six Thousand Six Hundred and Ninety Four Only) has been spent during 2014-15 for the purpose of expenditure on TEQIP-II activities for which it was sanctioned and that the Excess spent amount of Rs. 94,15,650/- (Rupees Ninety Four Lakhs Fifteen Thousand Six Hundred Fifty Only) is Carried forward for next financial year.

Certified that I have satisfied myself that the conditions on which the grants was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised: Detailed accounts checked with reference to accounts books, payments, vouchers, cash book, journal, ledger.

Date: 15.06.2015

[Signature]
Principal

B.M.S. College of Engineering
Bangalore - 560 019.
AUDITOR'S REPORT

I have audited the accompanying financial statements of BMS COLLEGE OF ENGINEERING, TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM - PHASE -II CENTRE OF EXCELLENCE - ADVANCED MATERIALS RESEARCH which comprises of the Balance Sheet as at 31st March 2015, and the Income and Expenditure Account for the year ended on that date.

Management of the Organisation is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

My responsibility is to express an opinion on these financial statements based on my audit. I conducted the audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making these risk assessments, the auditor considers internal control relevant to the preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

In my opinion and to the best of my information and according to the explanations given to me, the said balance sheet and income & expenditure account, give the information in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

a. In the case of the Balance Sheet of the state of affairs of the Organisation as at March 31, 2015.

b. In the case of Income & Expenditure Account, of the income and expenditure for the year ended on that date.

Place: Bangalore
Date: 31-03-2015

[B.M. JAYARAM]
Chartered Accountant
M.No.200252
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
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<td>615,000.00</td>
<td>615,000.00</td>
<td>615,000.00</td>
<td>Fixed Assets</td>
<td>13,318,275.00</td>
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<tr>
<td>Less: Excess of expenditure over income during previous year</td>
<td>616,000.00</td>
<td>32,716,918.00</td>
<td>32,737,518.00</td>
<td>Excess of expenditure over income</td>
<td>-</td>
<td></td>
<td></td>
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<tr>
<td>Add: Excess of income over expenditure during the current year</td>
<td>20,600.00</td>
<td></td>
<td></td>
<td>Current Assets</td>
<td>185,000.00</td>
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<td>Tax deducted at source</td>
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<td>3,400.00</td>
<td>975,421.00</td>
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</tr>
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<td>Fixed deposit</td>
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<td></td>
<td>Allotiated Bank A/c No. 501166/75417</td>
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<td>EPF/PEM, etc.</td>
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AAO: [Signature]
Date: 15-02-2015

Principal: [Signature]
Date: 15-02-2015

As per the rules of the given date.
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<th>PREVIOUS YEAR (Rs.)</th>
<th>EXPENDITURE</th>
<th>AMOUNT (Rs.)</th>
<th>CURRENT YEAR (Rs.)</th>
<th>THE PREVIOUS YEAR (Rs.)</th>
<th>INCOME</th>
<th>CURRENT YEAR (Rs.)</th>
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<td>- Teaching Assistantship</td>
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<td>TOTAL</td>
<td>1,933,486.00</td>
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</table>

Amount in Rs.

Signed: A. M. Muralidhar
Coordinator, COE

Signed: N. S. Jalaja
Principal
<table>
<thead>
<tr>
<th>PREVIOUS YEAR (Rs)</th>
<th>RECEIPTS</th>
<th>CURRENT YEAR (Rs)</th>
<th>PREVIOUS YEAR (Rs)</th>
<th>PAYMENTS (Rs)</th>
<th>CURRENT YEAR (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Bank Balance</td>
<td>1,603,503.00</td>
<td>979,421.00</td>
<td>394,421.00</td>
<td>Procurement</td>
<td>15,510,279.00</td>
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<tr>
<td>Grants received from SRFU</td>
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<td>3,001,486.00</td>
<td>196,038.00</td>
<td>R &amp; D</td>
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<tr>
<td>BMSCE-TEQIP II Interest</td>
<td>3,400.00</td>
<td>200.00</td>
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<td>Faculty &amp; Staff Development</td>
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<td>Grants received from Source</td>
<td>3,400.00</td>
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<td>221,017.00</td>
<td>Telcoing Assistance</td>
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<td>Professional tax</td>
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<td>221,017.00</td>
<td>Ventamental Operating Cost:</td>
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<td>Operation &amp; Maintenance</td>
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<td>1,051,953.00</td>
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<tr>
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<td></td>
<td></td>
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<td>Total</td>
<td>36,245,987.00</td>
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</table>

Name: Bangalore
Date: 11-10-2015

[Signature]

Co-ordinator-COE

[Signature]

[Signature]

As per my report, the report is correct.
### SCHEDULE-I

**GENERAL ADVANCE**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Amount as on 31.3.2015 (INR)</th>
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</thead>
<tbody>
<tr>
<td>Sri. Madhav Murthy</td>
<td>45,000.00</td>
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<tr>
<td>Dr. S. Srinivas</td>
<td>48,000.00</td>
</tr>
<tr>
<td>Secretary, KSCST</td>
<td>12,000.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>105,000.00</strong></td>
</tr>
</tbody>
</table>

Place: Bangalore  
Date: 15-06-2015
**B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019**

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME II**

**UTILIZATION CERTIFICATE**

<table>
<thead>
<tr>
<th>S/No</th>
<th>Particulars</th>
<th>Amount in Rupees</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Opening Balance as on 1st April 2014</td>
<td>N/IL</td>
</tr>
<tr>
<td>b)</td>
<td>Funds Received from SPFU letter No.DTE/01/TEQIP/FIN/2014-15, Vol II dated 07.05.2014</td>
<td>3,33,33,000.00</td>
</tr>
<tr>
<td>c)</td>
<td>Interest earned on grant available for COE-TEQIP-II during the year</td>
<td>19,03,486.00</td>
</tr>
<tr>
<td>d)</td>
<td>Other Income (Bid application fee)</td>
<td>30,000.00</td>
</tr>
<tr>
<td>e)</td>
<td>Total</td>
<td>3,52,66,486.00</td>
</tr>
<tr>
<td>f)</td>
<td>Expenditure during the year</td>
<td>1,51,30,746.00</td>
</tr>
<tr>
<td>g)</td>
<td>Unutilized amount as on 31st March 2015</td>
<td>2,01,35,742.00</td>
</tr>
</tbody>
</table>

Certified that out of Rs.3,33,33,000/- of Grants-in-aid sanctioned during the year 2014-15 in favour of the Principal, BMS College of Engineering, Bangalore-19 under the Department letter No. SPFU letter No.DTE/TEQIP/FIN/ 2014-15 dated 07.05.2014.

It is also certified that out of the above mentioned funds of Rs.3,52,66,486/- (Rupees Three Crores Fifty Two Lakh Sixty Six Thousand and Four Hundred Eighty Six Only) a sum of Rs.1,51,30,746/- (Rupees One Crore Fifty One Lakh Thirty Thousand Seven Hundred and Forty Four Only) has been Spent during 2014-15 for the purpose of expenditure on COE-TEQIP II activities for which it was sanctioned and that the Unutilized amount of Rs. 2,01,35,742/- (Rupees Two Crore One Lakh Thirty Five Thousand Seven Hundred Forty Two Only) is Carried forward at the end of the year will be adjusted towards the grants-in-aid payable during the next financial year 2015-16.

Certified that I have satisfied myself that the conditions on which the grants was sanctioned have been duly fulfilled/fare being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised: Detailed accounts checked with reference to accounts books, payments, vouchers, cash book, journal, ledger.

Date: 15.06.2015

[Signature]

**B. M. S. College of Engineering**

**BANGALORE - 560 019.**
With best wishes...

Dr. G. N. SEKHAR, PhD
Vice Principal and TEQIP Coordinator-I
BMS College of Engineering,
Bangalore - 560 019
Phone/Fax: +91 080 26603963
Mobile: +91 98451 84215

To,

All the Principals

TEQIP Institutions

Sub: TEQIP-II: Performance Assessment Indicators of 5th JRM....reg.

The 5th JRM is scheduled to be held from 6th to 17th July 2015 for assessing the Institutions performance. The Institutions were required to meet a set of 9 Performance indicators to benchmark themselves.

The details of Performance assessment indicators status of Institutions is put on NPIU website www.npiu.nic.in

(copy attached)

If there are any clarifications / updates regarding the status of indicators of your institution, you are requested to communicate to SPFUNPIU with supportive documents immediately.

With regards,

Manohar G Naya
Officer on Special Duty,
State Project Coordinator,
SPFU Karnataka,
Technical Education Quality Improvement Programme (TEQIP),
(A World Bank Assisted Project)
Directorate of Technical Education,
Bangalore 560 001

Swatch Bharath | Print only if necessary | Save Trees
<table>
<thead>
<tr>
<th>SL. No.</th>
<th>Name of the State/UT</th>
<th>Category</th>
<th>Name of the Institution</th>
<th>Status of Indicators of the institution’s performance against the targets fixed (2019-20)</th>
<th>5th JRM: Performance Assessment Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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<td>9</td>
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</tbody>
</table>

5th JRM: Performance Assessment Indicators

<table>
<thead>
<tr>
<th>Indicatio...</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
</table>

46
## ANNEXURE 4

**THE DETAILS OF FACULTY/STAFF MEMBERS WHO HAVE ATTENDED PROGRAMS OUTSIDE THE COLLEGE THAT WERE APPROVED BY THE SUBCOMITTEE BY CIRCULATION UNDER TEQIP- II**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the faculty, Designation &amp; Dept.</th>
<th>Details of Program</th>
<th>Place</th>
<th>Workshop/Conf. Dates</th>
<th>Approx. Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.</td>
<td>Dr. M. Rajeshwari Hegde Associate Professor Telecommunication Engineering</td>
<td>IEEE International Conference on Communication &amp; Signal Processing (IEEE-ICQSP) 2015</td>
<td>Adiparashakti College of Engineering, Melmaruvathur</td>
<td>April 02-04, 2015</td>
<td>10,900/-</td>
</tr>
<tr>
<td>04.</td>
<td>Dr. B.R. Shambhavi Assoc Professor Information Science &amp; Engineering</td>
<td>QEE Fellowship Meeting</td>
<td>IIT, Madras</td>
<td>April 11, 2015</td>
<td>4,400/-</td>
</tr>
<tr>
<td>05.</td>
<td>Smt. B.N. Beeria Ullala Mata Assoc Professor Medical Electronics</td>
<td>3rd National Conference on Computational Control Systems and Optimization-CCSO-2015</td>
<td>Sri AIT, Bengaluru</td>
<td>April 23-24, 2015</td>
<td>3,300/-</td>
</tr>
<tr>
<td>06.</td>
<td>Dr. A. Chowdappa Chief Librarian Library</td>
<td>11th Annual Meet &amp; Workshop</td>
<td>IISER, Punjab</td>
<td>April 29-30, 2015</td>
<td>30,000/-</td>
</tr>
<tr>
<td>07.</td>
<td>Sri. Manjunath P.S Asst Professor Telecommunication Engineering</td>
<td>IEEE International Conference on Advances in Computing and Communication Engineering (ICACCE-2015)</td>
<td>Tum's Institute, The Engineering &amp; Management College, Dehradun, Uttarkhand</td>
<td>April 30th to May 02, 2015</td>
<td>33,000/-</td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Designation</td>
<td>Event/Activity</td>
<td>Venue</td>
<td>Date</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------</td>
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</tr>
<tr>
<td>08</td>
<td>Dr. L. Ravi Kumar</td>
<td>Professor &amp; HOD</td>
<td>International Conference on &quot;Semi-Active Journal Bearing&quot;</td>
<td>College of Engineering, Pune</td>
<td>May 14-15, 2015</td>
</tr>
<tr>
<td>09</td>
<td>Sri. G. Sarasvati Kumar</td>
<td>Asst Professor</td>
<td>International Conference on &quot;Semi-Active Journal Bearing&quot;</td>
<td>College of Engineering, Pune</td>
<td>May 14-15, 2015</td>
</tr>
<tr>
<td>10</td>
<td>Sri. Harish V Meiall</td>
<td>Asst Professor</td>
<td>Workshop on 1SP Faculty workshop on Teaching DSP Hands-on</td>
<td>IIT, Hyderabad</td>
<td>May 20-21, 2015</td>
</tr>
<tr>
<td>11</td>
<td>Dr. B. Karmani</td>
<td>(IEEE-member) Professor &amp; HOD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Smt. K.P. Pushpavathi</td>
<td>(IEEE-member) Asst Professor</td>
<td>Telecommunication Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Smt. M. Vasanthi Lakshmi</td>
<td>(IEEE-member) Asst Professor</td>
<td>Telecommunication Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Dr. Arathi R. Shankar</td>
<td>(IEEE-member) Assoc. Professor</td>
<td>Workshop on SG Technology</td>
<td>Bengaluru</td>
<td>May 22-23, 2015</td>
</tr>
<tr>
<td>15</td>
<td>Smt. R.N. Suma</td>
<td>(IEEE-member) Assoc. Professor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Dr. Prerana Poddar</td>
<td>(IEEE Non-member) Assoc. Professor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. No.</td>
<td>Name</td>
<td>Short Term Course/Meeting Details</td>
<td>Institution</td>
<td>Date</td>
<td>Fee</td>
</tr>
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</tr>
<tr>
<td>17</td>
<td>Dr. K.R. Sudhindra</td>
<td>Short term course on &quot;Design &amp; analysis of efficient antennas&quot;</td>
<td>IIT, Kharagpur</td>
<td>May 25-30, 2015</td>
<td>8,000/-</td>
</tr>
<tr>
<td>18</td>
<td>Sri. K.N. Madhusudhan</td>
<td>Short term course on &quot;Design &amp; analysis of efficient antennas&quot;</td>
<td>IIT, Kharagpur</td>
<td>May 25-30, 2015</td>
<td>8,000/-</td>
</tr>
<tr>
<td>19</td>
<td>Dr. G. Grishar, Professor</td>
<td>Propulsion panel meeting</td>
<td>IITM, Chennai</td>
<td>May 20, 2015</td>
<td>6,000/-</td>
</tr>
<tr>
<td></td>
<td>(Principal Investigator)</td>
<td></td>
<td></td>
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<tr>
<td>20</td>
<td>Sri. E. Suresh</td>
<td>International Conference &amp; Exhibition on Fatigue, Durability and Fracture Mechanics</td>
<td>IISc, Bengaluru</td>
<td>May 28-30, 2015</td>
<td>3,370/-</td>
</tr>
<tr>
<td>21</td>
<td>Sri. K.N. Madhusudhan</td>
<td>One week workshop on Trends in RF, Microwave and Sensor Network Technologies</td>
<td>MSRIT, Bengaluru</td>
<td>June 01-06, 2015</td>
<td>2,152/-</td>
</tr>
<tr>
<td>22</td>
<td>Smt. Nandini, Vineeth</td>
<td>Network Simulation using NS3</td>
<td>NMIT, Bengaluru</td>
<td>June 04-05, 2015</td>
<td>5,500/-</td>
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<tr>
<td></td>
<td>Asst Professor</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>23</td>
<td>Sri. J.J. Kohli</td>
<td>workshop on &quot;Simulation of wired and wireless networks&quot;</td>
<td>NITK, Suratkal</td>
<td>June 08-10, 2015</td>
<td>7,500/-</td>
</tr>
<tr>
<td></td>
<td>Asst Professor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Smt. S.N Namratha</td>
<td>International Conference on Current Advances in Electronics, Electrical and Computer Science (ICEECS-15)</td>
<td>Panjim, Goa</td>
<td>June 21, 2015</td>
<td>8,650/-</td>
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<tr>
<td>26</td>
<td>Smt. N. Geetha</td>
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<td>800/-</td>
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<tr>
<td>No.</td>
<td>Name of the Person</td>
<td>Title</td>
<td>Event Details</td>
<td>Organizer</td>
<td>Date</td>
</tr>
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<tr>
<td>27</td>
<td>Sri. R. Shiva Kumar</td>
<td>Asst. Professor</td>
<td>National Conference on Advanced Computational Methods for Simulation of Transport Processes in Engineering</td>
<td>SVCE, Sriperumbudur Tamil Nadu</td>
<td>June 24-26, 2015</td>
</tr>
<tr>
<td>28</td>
<td>Sri. T.S. Suresh</td>
<td>Mechanic</td>
<td>Short term course on Total quality management</td>
<td>Advanced Training Institute, Mumbai</td>
<td>June 22-26, 2015</td>
</tr>
<tr>
<td>29</td>
<td>Dr. B. Mellikarjun</td>
<td>Asst. Professor</td>
<td>International Conference on Mathematical Sciences-2015</td>
<td>Sri Venkateswara University, Tirupati</td>
<td>July 13-15, 2015</td>
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<tr>
<td>Sl. No.</td>
<td>Name of the Student</td>
<td>Designation &amp; Dept.</td>
<td>Details of Program</td>
<td>Place</td>
<td>Workshop/Conf. Dates</td>
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</tr>
<tr>
<td>02.</td>
<td>Sri Rahul Sharrma</td>
<td>BE Student Electronics &amp; Instrumentation Technology</td>
<td>International Conference on Smart Technologies and Management for Computing, Communications, Controls, Energy &amp; Materials (ICSTM-2015)</td>
<td>Vel Tech Dr. R. &amp; Dr. S.R. Technical University, Avadi, Chennai</td>
<td>May 06-08, 2015</td>
</tr>
<tr>
<td>03.</td>
<td>Sri. Keerthi Galagdi</td>
<td>BE Student Mechanical Engineering</td>
<td>National Conference on Recent Advances in Sciences Engineering &amp; Technology (NCTASET-2015)</td>
<td>Sri Venkateshwar College of Engineering, Bangalore</td>
<td>May 08, 2015</td>
</tr>
<tr>
<td>Sl-No.</td>
<td>Name of the Department</td>
<td>Title of the Program</td>
<td>Program Dates</td>
<td>Approx. Expenditure</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>---------------------------------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>---------------------</td>
<td>---------------------</td>
<td></td>
</tr>
<tr>
<td>01.</td>
<td>Civil Engineering</td>
<td>National Level Workshop on &quot;Emerging Trends in Transportation Engineering and Management - NETIEN-2015</td>
<td>April 17, 2015</td>
<td>1,00,000/-</td>
<td></td>
</tr>
<tr>
<td>02.</td>
<td>Civil Engineering</td>
<td>3rd International Conference on Micro Perspectives for Decentralized Energy Supply MES - 2015</td>
<td>April 21-25, 2015</td>
<td>5,00,000/-</td>
<td></td>
</tr>
<tr>
<td>03.</td>
<td>Electrical &amp; Electronics Engineering</td>
<td>One day Interactive training on &quot;Sustainability &amp; Social Innovation&quot;</td>
<td>May 29, 2015</td>
<td>27,000/-</td>
<td></td>
</tr>
<tr>
<td>04.</td>
<td>Mechanical Engineering</td>
<td>Skill improvement for Non-teaching staff</td>
<td>June 01-12, 2015</td>
<td>71,000/-</td>
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</tr>
<tr>
<td>05.</td>
<td>Mechanical Engineering</td>
<td>Curriculum Development</td>
<td>June 05-06, 2015</td>
<td>44,000/-</td>
<td></td>
</tr>
<tr>
<td>07.</td>
<td>Medical Electronics</td>
<td>Curriculum Development</td>
<td>June 24, 2015</td>
<td>15,000/-</td>
<td></td>
</tr>
<tr>
<td>08.</td>
<td>Electrical &amp; Electronics Engineering</td>
<td>One week FDP on &quot;Design, Analysis and Implementation of Power-Electronic Circuits&quot;</td>
<td>July 20-24, 2015</td>
<td>88,000/-</td>
<td></td>
</tr>
<tr>
<td>09.</td>
<td>Electronics &amp; Communication Engineering,</td>
<td>Embedded Systems</td>
<td>October 06, 2015</td>
<td>50,000/-</td>
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</tr>
<tr>
<td></td>
<td>Tele Communication Engineering, Electrical &amp; Electronics Engineering Instrumentation Technology and Medical Electronics</td>
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</tr>
</tbody>
</table>
THE DETAILS OF FACULTY MEMBER WHO HAVE ATTENDED THE PROGRAMS OUTSIDE THE COLLEGE UNDER TEQIP-II CENTRE OF EXCELLENCE IN ADVANCE MATERIALS RESEARCH (COE) THAT WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of the Faculty, Designation &amp; Dept.</th>
<th>Details of Program</th>
<th>Place</th>
<th>Workshop/Conf. Dates</th>
<th>Approx. Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Sri. G. Dilip Marubbi Assistant Professor Mechanical Engineering</td>
<td>International Conference on Mechanical and Manufacturing Engineering (ICMMEE-2019)</td>
<td>Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur, Kanchipuram</td>
<td>April 02-03, 2015</td>
<td>17,400/-</td>
</tr>
</tbody>
</table>

DETAILS OF INHOUSE PROGRAMS CONDUCTED IN THE COLLEGE UNDER TEQIP-II CENTRE OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH (COE) THAT WERE APPROVED BY THE SUB-COMMITTEE BY CIRCULATION

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name of the Department</th>
<th>Title of the Program</th>
<th>Program Dates</th>
<th>Approx. Expenditure Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Mechanical Engineering</td>
<td>Hands on workshop on &quot;Polymer Composites&quot;</td>
<td>April 16-18, 2015</td>
<td>79,000/-</td>
</tr>
</tbody>
</table>
### ANNEXURE 5

**THE DETAILS OF FACULTY/STAFF MEMBERS WHO HAVE PROPOSED TO ATTEND WORKSHOP OUTSIDE THE COLLEGE UNDER TEQIP- II**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Faculty, Designation &amp; Dept.</th>
<th>Details of Program</th>
<th>Place</th>
<th>Workshop Dates</th>
<th>Approximate Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Dr. K.J. Rathna Raj Professor &amp; HOD Industrial Engineering &amp; Management</td>
<td>Five days Certificate Course on Six Sigma</td>
<td>MSME Development Institute, Bengaluru</td>
<td>July 13-17, 2015</td>
<td>16,500/-</td>
</tr>
<tr>
<td>02.</td>
<td>Smt. N. Kavitha Rani Ast Professor Industrial Engineering &amp; Management</td>
<td>Green Belt Programme</td>
<td></td>
<td></td>
<td>9,000/-</td>
</tr>
<tr>
<td>03.</td>
<td>Dr. S. Jayanthi Professor &amp; HOD Mathematics</td>
<td>Workshop on Applied Mathematical Modelling</td>
<td>MSRIT, Bengaluru</td>
<td>July 13-17, 2015</td>
<td>920/-</td>
</tr>
<tr>
<td>04.</td>
<td>Smt. Preethu Devaiah Com. Technical Staff Electronics &amp; Communication Engineering</td>
<td>TEQIP-II Initiative workshop on Embedded Processors &amp; Applications</td>
<td>RVCE, Bengaluru</td>
<td>July 13-17, 2015</td>
<td>1,800/-</td>
</tr>
<tr>
<td>05.</td>
<td>Sri. R. Prakash Instructor Electronics &amp; Communication Engineering</td>
<td></td>
<td></td>
<td></td>
<td>1,800/-</td>
</tr>
</tbody>
</table>

### DETAILS OF INHOUSE PROGRAMS PROPOSED FOR CONDUCTION IN THE COLLEGE UNDER TEQIP- II

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Department</th>
<th>Title of the Program</th>
<th>Program Dates</th>
<th>Approx. Expenditure</th>
</tr>
</thead>
</table>
### THE DETAILS OF STUDENT WHO HAVE PROPOSED TO ATTEND CONFERENCE FOR PAPER PRESENTATION/WORKSHOP OUTSIDE THE COLLEGE UNDER TEQIP- II

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the student, Designation &amp; Dept.</th>
<th>Details of Program</th>
<th>Place</th>
<th>Workshop/Conf. Dates</th>
<th>Approximate Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Sri. Rooria Goswami Research Scholar Biotechnology</td>
<td>Workshop on &quot;Intellectual Property Rights&quot;</td>
<td>VTU Regional Office, Bengaluru</td>
<td>July 10-11, 2015</td>
<td>1,140/-</td>
</tr>
<tr>
<td>02.</td>
<td>Sri. Raleek Alas M. Tech Student Electronics &amp; Communication Engineering</td>
<td>International Conference on Advances in Computing and Communications (ICAAC-2015)</td>
<td>Rajagiri School of Engineering and Technology Kochi, Kerala</td>
<td>September 02-04, 2015</td>
<td>11,000/-</td>
</tr>
</tbody>
</table>

### THE DETAILS OF FACULTY MEMBERS WHO HAVE PROPOSED TO ATTEND PROGRAMS OUTSIDE THE COLLEGE UNDER TEQIP- II CENTRE OF EXCELLENCE IN ADVANCE MATERIALS RESEARCH (COE)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the faculty, Designation &amp; Dept.</th>
<th>Details of Program</th>
<th>Place</th>
<th>Workshop Dates</th>
<th>Approximate Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Sri. N.R Prabhu Swamy Asst Professor Mechanical Engineering</td>
<td></td>
<td></td>
<td></td>
<td>9,700/-</td>
</tr>
<tr>
<td>3.</td>
<td>Sri. Tarakesh K Chavan Asst Professor Mechanical Engineering</td>
<td></td>
<td></td>
<td></td>
<td>9,700/-</td>
</tr>
<tr>
<td>4.</td>
<td>Sri. Soumen Panda Asst Professor Chemical Engineering</td>
<td></td>
<td></td>
<td></td>
<td>9,700/-</td>
</tr>
</tbody>
</table>
Sir,

As you all are aware that the Post Procurement Review (PPR) for FY-2015 was conducted by M/s GPCL from 24th Nov 2014 to 5 Dec 2014 at NPIU where 308 contracts (selected by the World Bank) were reviewed. The World Bank has forwarded the PPR Reports for FY-2015. The reports contain various procurement observations made by institutes during procurement process. The review report in respect of concerned institutes, were already circulated and forwarded by NPIU for further necessary action.

Out of 308 audit reviews, following are the most commonly observed points which can be sorted out at management level of institutes by keeping a keen vigilant on the procurement proceedings:-

Common Observation:

- Purchase Order/Contract was issued after expiry of bid/qualification validity period: The contract should be awarded within the bid validity period. In exceptional cases, a reasonable extension to the bid validity may be sought from all bidders.
- Delay in Supply/Completion: Realistic delivery period should be stipulated in the RFQ/Invitation letter on a case to case basis depending on the nature of items to be procured.
- Delayed payments (beyond 30 days for Shopping/45 days for NCW): Payment to the vendors should be given within stipulated time period as per the schedules incorporated in PG.
- In most of the case of direct contracting, institutes failed to provide proper justification for procuring the proprietary items. It is essential to prepare a rational justification note for procurement of a particular brand/item establishing how the item uniquely satisfied the necessary technical requirement and that there was no other manufacturer of similar product.
- RFQ/Invitation letter should be amended appropriately on a case to case basis so as to reflect the provisions in the procurement manual related to quotation/bid evaluation.
- Technical specifications should be prepared to define only the essential functional parameters so as to attract fair competition. Use of brand names should be avoided to define the items to be procured. If it is necessary to quote a brand name or catalogue number of a particular manufacturer to clarify an otherwise incomplete specification, the words ‘or equivalent’ should be added after such reference.
- Procurement not in accordance with the existing guidelines:
  (a) Non-Adoption of proper method of procurement (NCB/Direct Contracting/Shopping etc).
  (b) Proper procedure not followed while Submission of bids, Opening of bids and rejecting of bids.
  (c) Bid evaluation not in order; it needs to be strictly in accordance with the provisions of the bid document irrespective of the prevalent institutional practices.
  (d) Improper awarding of contract.

As the above points are mostly management issues, needs to be tackled by institutions themselves.

It is further requested that all Institute may chalk out SOP/Action plan/Check list while initiating procurement process, so that the common issues, observed above by the auditors, can be avoided in future.

Thanking you,

Yours faithfully,
(Rupali Jha)
Associate Consultant
National Project Implementation Unit (NPRI)
EDCL, House, 4th Floor, Plot No. 18-A, Sector 16-A
NOIDA-201301, Uttar Pradesh
Phone: 0120-2539283, 0120-2539282,
EPABX No. 0120-2539292, 253946
Fax Nos. 0120-2539205, 2539485
Email: rupali@india.com Web: www.npiu.org.in

56
### BMS COLLEGE OF ENGINEERING
Bangalore, Karnataka

#### Post Review Actions

<table>
<thead>
<tr>
<th>Category</th>
<th>Substantial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procurement Process Risk Rating</td>
<td></td>
</tr>
<tr>
<td>Contract Administration Risk Rating</td>
<td></td>
</tr>
</tbody>
</table>

#### TO BE COMPLETED BY REVIEWER

<table>
<thead>
<tr>
<th>No</th>
<th>Reviewer Observation/Finding</th>
<th>Reviewer Recommendation</th>
<th>Category</th>
<th>Action</th>
<th>Responsible Person</th>
<th>Est. Completion Date</th>
<th>Actual Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Procurement staff at certain institutions are still not well familiar with the PMSS, particularly in customizing the bidding documents, bid opening, bid evaluation, and Purchase Orders generated through the system.</td>
<td>A tailor made training that combines the applicable procurement procedures and more importantly expertise in operating the PMSS including customization of bidding documents, bid opening and evaluation and Purchase Orders needs to be developed and imparted to the concerned staff at the participating institutions.</td>
<td>Other</td>
<td>Noted</td>
<td>NPIU/SPFJ</td>
<td>Short term</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>It has been noted that various institutions have been revising their procurement plans too frequently at will thereby distorting the purpose of a plan. In addition, processes were noted wherein more than 20 revisions were made in the 18 months. With the implementation of the new business model on procurement by the Bank with higher thresholds for post reviews, the absence of NPIU's supervisory intervention with respect to the procurement plan may subject the project procurement to higher risk.</td>
<td>With the substantially higher prior review thresholds and decrease in Bank's supervisory intervention on procurement actions, it is imperative that the NPIU/SPFJ serve a bigger role in supervising the procurement to mitigate potential risks.</td>
<td>Other</td>
<td>Noted</td>
<td>NPIU/MinRo</td>
<td>Immediate</td>
<td></td>
</tr>
</tbody>
</table>

57

The BMSCE has emphasized the procurement staff to take up the CPDM & CPDM and the Nodal Officer - Procurement to take up CPDM online courses conducted by the World Bank.

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Procurement Process</th>
<th>Noted</th>
<th>IMU Concerned Institutions</th>
<th>Immediate</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>In cases of direct contracting, majority of the institutions fail to provide an appropriate justification for procuring the proprietary item establishing how the identified item uniquely satisfied their necessary technical requirements and that there was no other manufacturer of similar product. Since every branded item may be constructed to be a proprietary item, it is essential to prepare a rational justification note for procurement of a particular brand, item, establishing how the item uniquely satisfied the necessary technical requirements and that there was no other manufacturer of similar product. The NRU, with the aid of the PMSS, can make available the cost database for similar items to ascertain if reasonable in nature.</td>
<td>Noted</td>
<td>IMU Concerned Institutions</td>
<td>Immediate</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Instances have been noted wherein the evaluation of bids was adhoc, and not in order leading to rejection of lower bids for inappropriate reasons. This was also observed in the previous PPR. The bid evaluation needs to be strictly in accordance with the provisions of the bid document irrespective of the prevalent institutional practices.</td>
<td>Procurement Process</td>
<td>Noted</td>
<td>IMU Concerned Institutions</td>
<td>Next Cycle</td>
</tr>
<tr>
<td>8</td>
<td>Like in the previous PPR, instances were noted of awarding contracts after the expiry of the bid validity period. The contract should be awarded within the bid validity period. In exceptional circumstances, a reasonable extension to the bid validity may be sought from all bidders.</td>
<td>Procurement Process</td>
<td>Noted</td>
<td>IMU Concerned Institutions</td>
<td>Next Cycle</td>
</tr>
</tbody>
</table>

The BMS College of Engineering has initiated procurement of proprietary items under direct contracting only after ascertaining that no other manufacturer produces similar products and verifying the genuineness of the proprietary certificate submitted by the vendor. However, the observation noted.

The BMS College of Engineering is strictly adhering to the provisions of the bid document and project guidelines in the bid evaluation. Advice of the experts from industry and research institutions has been sought whenever necessary.

The institution has awarded contracts within the bid/quotations validity period and wherever necessary, validity extensions were sought for a reasonable period. Further, the extended validity period has been updated in the PMSS before placing purchase orders as mandated. For example, in case of Package: BM/CH/666 Roteeep (TKR-67/KA/KA20DA/176), the institution has followed the same procedure of seeking the extended validity period and updated the same in the PMSS before placing the purchase order.
<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
</table>
| **BMS COLLEGE OF ENGINEERING**  
Bangalore, Karnataka | 9. In certain instances, it was observed that the technical specifications for generic items such as furniture, computer equipment, etc. are prepared in great detail thereby making them restrictive in nature and defeating competition. Instances of brand names being mentioned in the RFQ to define the item required were also noted as in the previous PPR. | Technical specifications should be prepared to define only the essential functional parameters so as to ensure fair competition. Use of brand names should be avoided to define the item to be procured. | Procurement Process | N/A | N/A | Next Cycle |
| 10. Delay in payments has been noted in several instances which were mainly attributed to non-availability of funds with the institutions. NRIUs of the view that although the contractors release the funds in a timely manner, the funds are held up for the state share before they are released to the institutions. Some observation was made in the previous PPR as well. | NRIU/SPPU need to take up the issue of funds shortage at the appropriate level in the participating state so that payments are made and in turn the project progress is not hampered | Contract Administra tion | N/A | N/A | Next Cycle |
| 11. Delay in supply and final acceptance thereof was noted in several instances. It was observed that the delivery period stipulated in the RFQ/PC was unrealistic considering certain items to be imported | Realistic delivery period should be stipulated in the RFQ on a case to case basis depending on the nature of items to be procured | Contract Administra tion | N/A | N/A | Next Cycle |
|   |   |   |   |

The BMS College of Engineering has provided only generic specifications for all its procurement. To facilitate bidding by more number of vendors, the institution implemented the necessary modifications in the generic specifications on the basis of the information received in the pre-bid meeting. The institution encouraged a healthy competition among the bidders.
GOVERNMENT OF KARNATAKA
Department of Technical Education
STATE PROJECT FACILITATION UNIT (TEQIP)

Tel: 080 - 2237 0034
email: spfukarnataka@gmail.com

Directorate of Technical Education
4th Floor, Palace Road,
Bangalore - 560 001.

DTE/TEQIP/PROC/CR-30/2011-12

29th May 2015

To,
The Principal
BMS College of Engineering,
Bangalore.

Sir,

Sub: Verification of Procurements completed through PMSS as on January 2015.


With reference to above, SPFU team had visited BMS College of Engineering, Bangalore on 20th January 2014 for verification of procurement related documents and following observations were made in respect of 16 packages completed through PMSS.

1. EOG approved procurement plans without the signature of BOC chairman.
2. Incomplete Inward & Outward registers.
3. Incomplete Fixed Asset Registers and bills.
4. Incomplete Procurement formats PP1 to PP4 & SPFU checklist.

The Principal and TEQIP Officers were advised to attend to the above observations and inform SPFU for final verification. However, as per memo under reference (3) SPFU team re-verified the original procurement related files and documents submitted by the Institution Procurement team of BMS, Bangalore and following observations have been made in respect of 46 packages verified.

1. As per TEQIP-II Procurement manual, all institutional procurements including Goods & Equipment costing less than US$ 3,00,000/- and Books & Software costing under US$ 20,000/- come under ‘Post Review’ and therefore approval through PMSS does not arise. The new thresholds effective from 1st July 2014 do not apply to the procurements completed prior to that vide NPIU Email no. Nil, dated: 1st July 2014.

61
2. Maintaining lab-wise log book as per prescribed format for each procurement is mandatory for assessing utilization of resources including goods, equipment, Books, software etc. procured under TEQIP-II.

3. In case of Direct Contracting, it is the responsibility of the institution to verify and ascertain uniqueness or sole distributorship of goods/equipment or software respectively. PMSS is only a web based monitoring tool and SPFU/NPIU verify the documents only when they are posted for prior review through PMSS. All other procurements are post reviewed as per procurement norms/guidelines of NPIU/World Bank. However, SPFU/NPIU may be contacted through email or by raising query in PMSS for any clarifications at any stage of procurement. Any lapse in complying with the World Bank Procurement Norms/Guidelines is the sole responsibility of the Institutional Project Implementation Authority.

4. Comparative Technical evaluation seems to be not done properly for some of the packages.

5. The following packages seemed to have been procured not in compliance with NPIU/World Bank Procurement Guidelines/Norms as specified in Procurement Manual and clarifications given by NPIU vide email letter No. P/TQ-II/SPFU/ 2012, Dtd: 3/12/2012 and SPFU email letter no. DTE/TEQIP/PRO/C19/2011-12, Dtd: 18/04/2013.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>PMSS Package no. &amp; Name</th>
<th>Method of Proc. &amp; Amount</th>
<th>Reasons for disallowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>TEQIP-II/KA/KA2G04/98 FPGA Kits</td>
<td>-Direct Contract -Actual Cost: Rs. 2,46,870/-</td>
<td>Uniqueness needs to be proved as many vendors/manufacturers are available in the market. Vendor has specified for 90 days warranty instead of 12 months and therefore becomes commercially non-responsive. But, purchase order has been issued as over terms of the vendor.</td>
</tr>
<tr>
<td>2.</td>
<td>TEQIP-II/KA/KA2G04/152 WARP Radio Board</td>
<td>-Direct Contract -Actual Cost: Rs. 5,20,000/-</td>
<td>-Quotations had been called for total quantity of 4 Nos and purchase order was issued for 1 No of items which is less than 85% of specified quantity in the invitation letter. Quantity variation more than + or - 15% is not allowed as per world bank norms.</td>
</tr>
<tr>
<td>3.</td>
<td>TEQIP-II/KA/KA2G04/134 Rapid Prototyping Machine</td>
<td>Direct Contract</td>
<td>Uniqueness needs to be proved as many vendors/manufacturers are available in the market.</td>
</tr>
<tr>
<td></td>
<td>Rs. 7,59,600/-</td>
<td>OEM has authorized M/S Marutek, Bangalore to quote and sell but enquiry letter and purchase order has been given to M/S COMTEK, Bangalore. But, payment has been made to M/S Marutek. The specifications in the invitation letter do not match with that in purchase order.</td>
<td></td>
</tr>
<tr>
<td>---</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Total Amount of Three Packages</td>
<td>Rs. 15,26,470/-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Therefore, you are requested to justify the procurement of three packages at an expenditure of Rs. 15,26,470/- (Rupees Fifteen Lakhs Twenty Six Thousand Four Hundred and Seventy only), for placing before the State Steering Committee (SSC) for final decision on or before 15th June 2015.

Thanking you,

Yours faithfully,

[Signature]

State Project Advisor /

[Signature]

Director of Technical Education
BMSCE/TEQIP-II/PRM/2015-16/7

12 June 2015

The State Project Advisor &
Director of Technical Education,
Directorate of Technical Education
State Project Facilitation Unit (TEQIP),
Bangalore - 560001

Dear Sir,

Sub: Justification for procurement of (i) FPGA Kits (ii) WARP Radio Board and
(iii) Power lab tutor system under TEQIP-II

With reference to the observations made by the SPFU procurement team in the letter under
reference, we would like to put forth the following details for kind information:

1) **PROCUREMENT OF FPGA Kits** [TEQIP-II/KA/KA2G04/98]:

The FPGA kits have been procured for Rs.2,46,870/- from Core El. Technologies [sole authorized
sales representative of Xilinx in India as per the proprietary letter from Xilinx dated 1.4.12 that
met the specifications required by the department (proposer). Warranty of 12 months was
sought while quoting, but the vendor submitted the quote with a warranty of 90 days as
per their existing norms. However, later, the vendor M/s Core El technologies agreed to
provide warranty for 12 months on the product and issued a letter in this regard (attached
herewith for ready reference).

Added to the above, FPGA kits procured with 12 months warranty during 2013 are working
satisfactorily even today, without any hindrance or call for service.

2) **PROCUREMENT OF WARP RADIO BOARD** [TEQIP-II/KA/KA2G04/132]:

WARP radio Board was procured from EdGATE Technologies [sole authorised distributor of
Mango Communications as per their letter dated 26.7.11] for Rs.5,48,600/-. The quotations
were called for a quantity of 4 numbers of the item based on the previous plan.

.... 2

-64
The vendor submitted a quote for one number. The vendor later confirmed that this quote is valid for procurement of any number of said items (clarification by the vendor dated 16.8.13 is enclosed). Meanwhile, the departmental purchase committee submitted a request to procure only one number and hence, purchase order was released for one item as the vendor was the sole authorized distributor.

3) POWER LAB TUTOR SYSTEM (TEQIP-II/CA/KA2G04/134):

Power Lab Tutor system, proprietary product of AD Instruments Pvt Ltd, Australia has been procured from its authorized vendor, M/s Marutek for Rs.7,59,600/-. Initially, invitation for quotation was sent to M/s Comtek Scientific Instruments and the said firm submitted a quote and requested to place the purchase order with M/s Marutek, a sister concern (a copy of the certificate endorsed by both M/s Comtek & M/s Marutek enclosed herewith). As per the certificate, it is noted that M/s Comtek Scientific Instruments and M/s Marutek are sister companies run by the same individual. Further, M/s Comtek Scientific instruments does transactions in foreign exchange whereas M/s Marutek does transactions in Indian rupee. As such, purchase order was released and procurement was completed.

In view of above clarifications, this is to submit that the procurement of the said proprietary items is in accordance with the procurement guidelines of TEQIP –II and further, this is to request the concerned to drop the observations made in this regard.

Thanking you

Yours faithfully,

Principal
To
The Principal
B.M.S. College of Engineering
Bull Temple Road
Bangalore- 560019

Sir,

Sub: Clarification on the period of warranty for FPGA kits.

Ref: 1. Invitation for Quote vide No.TS(QIP-II)2013/V-A2Q0498/Direct.contract/28,
   Dtd.16th April 2013
2. Quotation No. UPT/APRL 2913/006, dated 30.4.13
3. Letter dated 4.5.13

In response to your letter dated 4.5.13, we wish to clarify that we have submitted the quote as per the warranty provided by the OEM. You are welcome to observe the same on the website of Mr. Xilinx Inc. Kindly issue the purchase order with 90 days warranty since the same need to be submitted by us to the OEM.

However, Mr Core EL Technologies agree to provide warranty of 12 months for the FPGA kits and please find enclosed here with the revised terms and conditions as agreed by us.

Thanking you,

Prafullwar Naik L,
Strategic Manager-University Program
CoreEL Technologies (I) Pvt Ltd
21-29th Main, 1st Block, Koramangala
Bangalore-560 034
(M)+919945031112

CoreEL Technologies (I) Pvt. Ltd.
Read & Head Office - R7/ 7th Main 1 Block Koramangala, Bangalore - 560034.
Terms & Conditions

1) Price : The quoted prices are discounted for academic purposes and inclusive of all handling charges including packing & forwarding to the site of installation. However other levies, entry tax etc shall be charged to your account.

2) Validity : Will be valid for 45 days from the date of offer, after which it will be subject to our confirmation/revision before accepting any order.

3) Sales Tax : Shall be charged extra as applicable at the time of delivery, current prevailing rates are 5.5%.

4) Payment Terms : 100% payment against delivery and installation.

5) Delivery : Delivery will be completed within 6-8 weeks from the date of receipt of your order & acceptable Purchase order at our end followed by order acceptance from our end. Delivery will be completed only when there is confirmation from the your/client site for the availability of computer's Lab & System

6) Installation / Demonstration : One Time Site training and installation

7) Warranty : The hardware to be supplied will be warranted for successful performance for a period of One Year from the date of the installation against any manufacturing defects only.

8) Force Majeure : Standard force Majeure conditions apply and CoreEL shall not be responsible for any delay on account of this.

9) Disclaimer : CoreEL reserves the right to accept / reject any Purchase / Work order arising out of this offer without assigning any reason thereof. CoreEL also reserves the right to make any technical / commercial changes in the proposal or any part thereof without assigning any reason whatsoever.

Place your orders on
CoreEL Technologies (I) Pvt Ltd
#21, 1st Main, 1st Block, Koramangala,
Bangalore - 560034.
Ref: EdGate/BMSCE/WARP/Letter 16/08/2013

The Principal,
BMS College of Engineering,
Bull Temple Road,
Basavangudi,
Bangalore- 560004

Dear Sir,

Sub: Price Clarification
Invitation Ref: TEQIP-II/2013/KA2G04/Direct Contract/43, dated 25/07/2013
Our Ref: EdGate/BMSCE/WARP/Quote, dated 26/07/2013

Reference to the above quote, we confirm that the prices and terms quoted are the best and remain same irrespective of the quantity.

For any further clarification feel free to contact us.

Thanking You.

For EdGate Technologies Pvt Ltd.

(Pardeep Singh)
Manager-University Relations

Clarification sought is accepted. Please put at the file.
Date: 24th September 2013

This is to certify that M/s. Comtek Scientific Instruments and M/s. Marutek are sister companies who authorised by M/s. AD Instruments Pty Ltd. M/s. Comtek Scientific Instruments stands for forex business transactions and M/s. Marutek stands for India rupee transactions. M/s. Comtek Scientific Instruments are authorised for quote on behalf of M/s. Marutek. The VAT Number of M/s. Marutek is 29640219074 and Reg No. of M/s. Comtek Instruments is 927/99-2000.

Find below the authorised seal of M/s. Comtek Scientific Instruments and M/s. Marutek respectively.

For Comtek

(Seal of Comtek)

(Seal of Marutek)
FORM VAT 7
{See Rule 9A/14}

VALUE ADDED TAX REGISTRATION CERTIFICATE

IN: 29/09/2004

I, JAYAKIR MAR, Proprietor, MARUTEK, whose principal place of business is situated at SNEE-204, 2ND FLOOR, STEELING TERRACES, BANMANKIYAR 3RD STAGE, BANGALORE-560008, have been registered as a dealer under Section 22 of the Karnataka Value Added Tax Act, 2001, subject to the provisions of the said Act and Rules made thereunder.

The dealer is authorized to collect tax on the turnover specified in the said Act from 01/04/2008.

Place: Bangalore
Date: 15/02/2011

CST Act, 1956:
The said dealer is also registered under the provisions of CST Act, 1956. He is permitted to purchase the following class of goods at nil/additional concessional rate of tax under Section 81(3) of the Act, 1956 with effect from 01-04-2008.

COMMODITIES ARE LISTED IN THE ANNEXURE

Place: Bangalore
Date: 15/02/2011

The dealer is also registered under K7EG Act, 1979

Place: Bangalore
Date: 15/02/2011


70
The Registrar of Firms, Karnataka, hereby acknowledges the receipt of the statement prescribed by Section 58 (1) of the Indian Partnership Act, 1932. The statement has been filed and the name of the Firm has been entered in the Register of firms as No. 947/05-06.

Date: 22-10-2005

[Signature]

WD 00765-CPR 1000 pads of 100 sheets 8-12-2000
<table>
<thead>
<tr>
<th>No.</th>
<th>Name of Partner</th>
<th>Address</th>
<th>Date of Birth</th>
<th>Signature</th>
<th>Address Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>S. Sona Kumar</td>
<td>4/5 Bikaner Colony, Kumarganj, Pusa Road</td>
<td>1950</td>
<td></td>
<td>06/10/1950</td>
</tr>
<tr>
<td>2.</td>
<td>K. Sana Khan</td>
<td>4/5 Bikaner Colony, Kumarganj, Pusa Road</td>
<td>1950</td>
<td></td>
<td>06/10/1950</td>
</tr>
</tbody>
</table>
MEMBERS PRESENT
1. Prof. D. Thakaram, Chairman
2. Sri. M. Krishnaswamy, Member
3. Dr. K. Mallikarjuna Babu, Principal & Convenor

NODAL OFFICERS/CO-ORDINATORS PRESENT:
1. Dr. G. N. Sochar, TEQIP Co-ordinator I
2. Dr. L. Ravikumar, TEQIP Co-ordinator II
3. Dr. K. Guruprasad, Nodal Officer - Equity Assurance Plan Implementation
4. Dr. K. R. Suresh, Nodal Officer - Financial Aspects
5. Dr. H. S. Guruprasad, Nodal Officer - Academic Activities
6. Dr. C. Lakshminarayana, Nodal Officer - Equity Assurance Plan Implementation
7. Dr. M. C. Sampath Kumar, Nodal Officer-CW including EM
8. Dr. M. Indiramma, Coordinator-III
9. Dr. S. Gowrinthakar, Nodal Officer - Academic Activities
10. Sri. C. T. Puttaswamy, Nodal Officer-CW including EM
11. Dr. M. Ramachandra, Co-ordinator, CoE

The Principal and the convenor of the sub-committee of BOG welcomed the members for the meeting.

1. Read and record the minutes of the sixth meeting of the BOG sub-committee held on 16th July 2013.

The minutes of the sixth meeting of the BOG sub-committee held on 16.7.2013 were read and recorded [Annexure-I].

2. Review of project's progress by an Internal Review Committee:

The committee took a note of communication from the SPFU dated 6th June 2013 asking the institution for the conduct of an internal review through a review committee consisting of senior academicians like Institute’s Mentor & senior professor of the institution.
(c) Procurement of equipment for the Centre of Excellence:

The committee perused the proposals of procurement under COE and approved the procurement of following equipment for establishing the Centre of Excellence in Advanced Materials Research and directed to initiate the process of procurement for the below mentioned items following the norms of the TEFIP-II.

<table>
<thead>
<tr>
<th>SNo</th>
<th>Description of Works/Goods</th>
<th>Estimated Cost (Rs)</th>
<th>Mode of Procurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scanning Electron Microscope (SEM)</td>
<td>100,00,000</td>
<td>NCB</td>
</tr>
<tr>
<td>2</td>
<td>X-Ray Diffraction analyzer (XRD)</td>
<td>70,00,000</td>
<td>NCB</td>
</tr>
<tr>
<td>3</td>
<td>Abrasive Water Jet machine (AWJ)</td>
<td>90,00,000</td>
<td>NCB</td>
</tr>
<tr>
<td>4</td>
<td>FTIR Spectroscopy equipment</td>
<td>9,50,000</td>
<td>DC</td>
</tr>
<tr>
<td>5</td>
<td>Dual Spotting Equipment</td>
<td>18,00,000</td>
<td>NCB</td>
</tr>
<tr>
<td>6</td>
<td>Magnetic Sizer</td>
<td>4,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>7</td>
<td>Rectangular muffle furnace</td>
<td>23,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>8</td>
<td>Heating oven Up to 300°C</td>
<td>25,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>9</td>
<td>Heating Mantle</td>
<td>3,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>10</td>
<td>Hydraulic press, 15 ton capacity</td>
<td>51,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>11</td>
<td>Agate Mortar &amp; pestle</td>
<td>1,500</td>
<td>Shopping</td>
</tr>
<tr>
<td>12</td>
<td>Ice Maker</td>
<td>1,50,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>13</td>
<td>Dies and Plunger</td>
<td>12,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>14</td>
<td>Rotary Vacuum pump</td>
<td>9,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>15</td>
<td>ASM band books on materials</td>
<td>2.50,000</td>
<td>Shopping</td>
</tr>
<tr>
<td>16</td>
<td>Additional journals in the thematic area of Advanced Materials through science direct &amp; springer link</td>
<td>8,000,000</td>
<td>Shopping/DC</td>
</tr>
</tbody>
</table>

Note: NCB-National Competitive Bidding; DC-Direct Contract

(d) Collaborations:

(i) Collaboration with Magod Laser Machining Pvt Ltd., Bangalore.

The committee noted that the Coordinators are conducting discussions with Mr's Magod Laser Machining Pvt. Ltd., Bangalore for applicable research and product development and to have the collaboration for research in machining of advanced materials using water jet and Laser beam methods.
NATIONAL COMPETITIVE BIDDING FOR
THE SUPPLY OF BM/COE/XRD/5

SECTION I: INVITATION FOR BIDS (IFB)

Date: 10.10.2013
Credit No.: Cr. 4685-0 IN
IFB No.: TEQIP-II/KA/KA2G04/179

1. The Government of India has received a Credit (Cr. 4685-0 IN) from the International Development Association in various currencies towards the cost of project 'Technical Education Quality Improvement Programme (TEQIP) Phase II (TEQIP II)' and it is intended that part of the proceeds of this credit will be applied to eligible payments under the contracts for which this Invitation for Bids is issued.

2. The Principal, BMS College of Engineering, Bangalore now invites sealed bids from eligible bidders for supply of BM/COE/XRD/5 listed below:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Item Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>XRD Equipment</td>
<td>1</td>
</tr>
</tbody>
</table>

3. Interested eligible Bidders may obtain further information from and inspect the bidding documents at the office of the TEQIP, BMS College of Engineering, 6th Floor, B S Narayan Block, Bull Temple Road, Bangalore 560019, Karnataka, India.

4. A complete set of bidding documents may be purchased by any interested eligible bidder on the submission of a written application to the above office and upon payment of a non-refundable fee as indicated below in the form of a Demand Draft in favour of The Principal BMS College of Engineering, payable at Bangalore.


6. The bidding document may be obtained from the office of BMS College of Engineering, Bangalore during office hours namely, from 10:00 hrs to 15:00 hrs, on all working days either in person or by post.

(a) Price of bidding document (non-refundable): ₹ 2000
(b) Postal charges, inland: ₹ 500
(c) Postal charges, overseas: ₹
(d) Date of commencement of sale of bidding document: 10.10.2013 10:00 Hours
(e) Last date for sale of bidding document: 12.11.2013 13:00 Hours
(f) Last date and time for receipt of bids: 12.11.2013 13:00 Hours
(g) Time and date of opening of bids: 12.11.2013 14:30 Hours
(h) Time and date of Prebid meeting: 25.12.2013 10:30 Hours

E-1

76 4

NCB
<table>
<thead>
<tr>
<th>Question</th>
<th>Spectris Technologies Pvt Ltd</th>
<th>IR Technology Services Pvt Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is Bid received?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Is Bid withdrawn?</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Is Bid modified?</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Is Bid duly signed?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Bid Number</td>
<td>IN131142001-0</td>
<td>BNG/INP/54-95</td>
</tr>
<tr>
<td>Bid date</td>
<td>11-08-2013</td>
<td>11-11-2013</td>
</tr>
<tr>
<td>Validity of Bid</td>
<td>91 days</td>
<td>90 days</td>
</tr>
<tr>
<td>Validity of Bid Security</td>
<td>90 days</td>
<td>90 days</td>
</tr>
<tr>
<td>Is Bid security as specified?</td>
<td>Yes</td>
<td>DG: 130783186001/29</td>
</tr>
<tr>
<td></td>
<td>BG: TEBNDH349128</td>
<td>07-11-2013</td>
</tr>
<tr>
<td></td>
<td>23-10-2013</td>
<td>I D B1 Bank Ltd</td>
</tr>
<tr>
<td>Is the cost of Bid document attached?</td>
<td>Yes</td>
<td>DG: 203139</td>
</tr>
<tr>
<td></td>
<td>DD: 081711-520</td>
<td>26-11-2013</td>
</tr>
<tr>
<td></td>
<td>State Bank &amp; India</td>
<td>Canara Bank</td>
</tr>
<tr>
<td>Unconditional Discount, if any (%)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Read out price without taxes</td>
<td>Rs: 100,88,710/-</td>
<td>Rs 928,520/</td>
</tr>
<tr>
<td></td>
<td>Rs 92,85,200/-</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Name</td>
<td>Position</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Dr. L. Ravikumar</td>
<td>Professor – Mechanical Engineering / TEQIP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Coordinator T.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. K.R. Suresh</td>
<td>Professor – Civil Engineering / TEQIP Nodal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Officer – Finance</td>
</tr>
<tr>
<td>3</td>
<td>Dr. M.S. Dharmaparakash</td>
<td>Professor – Chemistry / TEQIP Nodal Officer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Procurement</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Martin Jebraj</td>
<td>Director – R &amp; D, BMSCE</td>
</tr>
<tr>
<td>5</td>
<td>Dr. M. Ramachandra</td>
<td>Coordinator – COE for Advanced Materials</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td>6</td>
<td>Shri R. Balaji</td>
<td>Procurement Manager – TEQIP II</td>
</tr>
<tr>
<td>7</td>
<td>Dr. S.R. Srinivasan</td>
<td></td>
</tr>
</tbody>
</table>
BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 54th Meeting
January 13, 2014

2. STATUS REPORT ON THE IMPLEMENTATION OF THE ACTIVITIES OF TEQIP-II PROJECT

The member secretary apprised the Board that the institution is one amongst the 15 Engineering Colleges in the state qualified for funds in the Phase-II of TEQIP under sub-component 1.2. The MOU was signed on 24.06.2011 for implementation of TEQIP Phase-II Project. The total outlay is Rs.1250 lakhs. The following are the objectives of TEQIP-II Project:

Objectives of TEQIP-II Project

- Strengthen institutions to produce high quality engineers for better employability;
- Scale-up post-graduate education and demand-driven Research & Development and innovation;
- Establish centers of excellence for focused applicable research;
- Train faculty for effective teaching;
- Enhance institutional and system management effectiveness.

2.1 STATUS OF FUNDS RECEIVED

The first installment of Rs.200 lakhs has been received on 24.09.2012 from Government of Karnataka facilitated by SPFU. It is learnt that a second installment of Rs.375 lakhs has been sanctioned and also released from the MHRD/NPIU. The said grant is yet to be received. In the meantime, the Management has sanctioned a cash advance of Rs.150 lakhs subject to reimbursement for the continuation of the Project.

2.2 BOG SUB-COMMITTEE FOR TEQIP II

The member secretary informed that the BOG Subcommittee under the Chairmanship of Prof. D. Thukaram has conducted eight meetings so far. It was also informed that all the Coordinators/Nodal Officers were part of
BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 54th Meeting
January 13, 2014

these meetings. Further, it was informed that the minutes of first five
meetings were approved by the BOG. The minutes of subcommittee (1 to 5)
are provided at Annexure-2.

The member secretary also informed that the minutes of the 6th, 7th and 8th
meetings are placed for approval. The Board took note of the same. After
detailed deliberations, with subcommittee members, the Board approved the
minutes of the 6th, 7th & 8th meetings of the BOG subcommittee. The minutes
of subcommittee (6 to 8) are provided at Annexure-3.

2.3 MENTORING OF TEQIP II ACTIVITIES

The Board was informed that Professor B. S. Sonde, the mentor for the
activities of TEQIP-II has conducted two rounds of mentoring. The Board
noted the reports of the mentor.

While expressing thanks to the BOG for inviting him to the meeting,
Professor B. S. Sonde has apprised the Board about the implementation of
the Project. He has expressed complete satisfaction on implementation of the
project by the institution. He further stated that he is much impressed about
the TEQIP II activities being conducted in the college in spite of delay in the
release of Grants and appreciated Management for their proactive support
and participation in the Project. The mentoring reports/compliance are
provided at Annexure-4.
3.3 PROCUREMENT

(a) The Board noted the proposal submitted by the coordinators of COF for procurement of equipment at an estimated cost of Rs.3.111 Crores towards establishing the Centre of Excellence [Annexure-10].

While on the subject the Programme Coordinator informed the Board that the permissible limit for procurement is Rs.2.75 Crores. He further explained that due to variation in the dollar price and change in available product specifications, this situation aroused the Chairman of the subcommittee also opined that there is little that can be done in such circumstances as it is driven by the market trends. And it was requested that the Management shall support by providing the necessary funds.

The Board took note of the proposals in detail. After detailed deliberations, the Board approved the procurement proposals submitted for the Center of Excellence in Advanced Materials Research. The Board noted the procurement process initiated till date.

Taking cognizance of the additional requirement of funds the Board approved to extend additional financial support of about rupees thirty lakhs from the Management Funds. Further, the Board authorized the Chairman of BOG to give necessary approvals, if any in this regard.

(b) The Board noted that bids were received for the equipment: (i) Scanning Electron Microscope (SEM), (ii) X-Ray diffraction analyzer (XRD), (iii) Abrasive water jet machining (AWJ) and (iv) Dual Sputtering Unit through National Competitive Bidding (NCB). The Board was informed that the technical and financial bids received for Abrasive water jet machine and Dual sputtering Unit are forwarded to
BMS COLLEGE OF ENGINEERING, BANGALORE-19
BOARD OF GOVERNORS (BOG)
Minutes of 54th Meeting
January 13, 2014

NPIU for approval. The Board authorized the Principal to place purchase orders for these items after receiving the consent of NPIU.

The Board further noted that one bid is received towards the procurement of Scanning Electron Microscope (SEM) and two bids are received towards X-Ray diffraction analyzer (XRD). The price quoted for the items is 90% more than the estimated price. It is opined that more bids would have been received if the process is enabled through International Competitive Bidding (ICB) than NCB. After detailed deliberations, the Board suggested to cancel the NCBs and to initiate the procurement process through ICBs.

3.4 R&D COLLABORATIONS

The Board expressed satisfaction over the various R&D collaborations initiated.

3.5 RESEARCH ASSISTANTS

The Board granted permission for appointing research assistants to assist each of the coordinators of COE.

3.6 EXTERNAL SENIOR RESEARCH ADVISOR

The Board granted permission for appointing an external senior research advisor for the COE.

3.7 NEW PG PROGRAM (M.Tech.) IN MANUFACTURING SCIENCE & ENGINEERING

The Board noted that the proposed PG program in Advance Materials could not be started as the same was not a listed program of VTU. The
Reg, NOC for Gen. of Bid for Packages 195 and 196

Dharmapракash Mallenahalli <procurementnodalofficer@bmsce.ac.in>  
Wed, Jul 8, 2015 at 10:43 AM

Draft

Comments added by 'pchsce' on 28/02/2014 8:43:53 AM
Dear Sir,

Ref. our query 2016,

QUERY:
Ref. BM/COE/Scanning Electron Microscope/1R [TEQIP-II/KA/KA2G04/195] and BM/COE/XRD/1R [TEQIP-II/KA/KA2G04/195], we understand from our earlier NCBs for the same items that each of these high-value items is to be (1) imported with no indigenous feasibility (2) costs around Rs. 145 lakhs inclusive of all taxes (3) direct import thru ICB could help to be within budget (100 Lakhs) after applicable Customs Duty Exemption. But considering value (>15) lakhs) and our total approved budget, PMSS does not accept the revised package. In the above scenario, please advice how to go ahead and our decision to go for ICB.

Nodal Officer-Procurement BMSCE

We would be thankful to you if you could send your advice and suggestions today.

With thanks & regards,
Nodal Officer BMSCE

With thanks & regards,

Dr M S Dharmapракash Ph. D (IISc)

Nodal Officer Procurement - TEQIP II
Professor - Department of Chemistry
BMS COLLEGE OF ENGINEERING
[TEQIP-II Office, 6th Floor, B S Narayan Block]
Bull Temple Road, Bangalore 560011
TEQIP II Office: 080 26670909 Office Ph 080 26611636,26614359 Extn 6062.
Fax:080 2661564
Mobile: 09731265431

——— Forwarded message ———

From: <nplugin@yahoo.co.in>
Date: Mon, Mar 3, 2014 at 7:05 PM
Subject: New Comments for Request 1 C B'

To: drkmbabu@bmsce.ac.in, msdharmapракash@gmail.com, ravi.teqip@gmail.com,
viceprincipal@bmsce.ac.in

Hello,

New Comments has been added for Request '1 C B'

Comments:

Comments added by 'pchsce' on 03/03/2014 7:39:11 PM

Sir,

You may have a look at the option of using LIB for your procurement, if its feasible and if you can justify the use for this case.

Else, you may proceed with NCB only. The threshold of ICB is quite high w.r.t. your case.

regards,

Prashant ( Consultant NPIU)
ii) Permission to change the mode of procurement:

The committee discussed in detail the minutes of the Procurement Committee for COE held on 19.5.2014 [Annexure-9] and noted the observations that (a) the NCR process to procure the following two packages did not result in commercially viable bids (b) the equipment are technologically complex (c) only few manufacturers are available (d) all the manufacturers are out of India and (e) the possibility of the customs duty exemption on imported goods for the institution.

The committee accorded approval to re-initiate the process of procurement for the following equipment through UB (Limited International Bidding)

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Item</th>
<th>Estimated Cost (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scanning Electron Microscope</td>
<td>1,00,00,000/-</td>
</tr>
<tr>
<td>2</td>
<td>XRD Equipment</td>
<td>80,00,000/-</td>
</tr>
</tbody>
</table>

11. Any other items

a) The TEQIP Co-ordinator submitted the copies of the observations and remarks of Dr. Martin Jebbaraj, Director-R&D, while evaluating the sole bid received towards the NCR called for procurement of 3D Printer based on the proposal submitted by Dr. Rathnak Raj.

As per the directions of the committee, Dr.K.J. Rathanraj was invited to the meeting and heard his presentation on the justification for seeking such a high-end 3D printer. The committee also perused his earlier submission on the remarks of Dr. Martin Jebbaraj [Annexure-10].

After detailed deliberations, the BOG sub-committee constituted an expert committee consisting of Dr. U. Chandrashekar, Scientist-G (Former), DRDG & Sri. Krishna Swamy, Member. Sub-committee of BOG and authorised the Principal to act as per the directions of the said committee.
**Minutes of meeting held on 19th May 2014 at 3:30 PM at TEQIP Seminar Hall, BMSCE**

### NODAL OFFICERS/CO-ORDINATORS PRESENT:

<table>
<thead>
<tr>
<th>SL</th>
<th>Name of the Member &amp; Role</th>
<th>Designation</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. K Mallikharjuna Babu, Chairman</td>
<td>Principal, BMSCE</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Dr. Martin Jeebaraj, Member</td>
<td>Director R &amp; D, BMSCE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Dr. L Ravikumar, Member</td>
<td>TEQIP Coordinator II</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Dr. K R Suresh, Member</td>
<td>TEQIP Nodal officer-Finance</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Dr. M.S. Dharmaparakash, Member</td>
<td>TEQIP Nodal officer-Procurement</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Dr. S Srinivas, Invitee(Proposer)</td>
<td>Principal Investigator-COE</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Dr. Chandrasekhar Das, Invitee (Proposer)</td>
<td>Principal Investigator-COE</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Dr. M Ramachandra, Member Convenor</td>
<td>Coordinator-COE</td>
<td></td>
</tr>
</tbody>
</table>

### NODAL OFFICERS/CO-ORDINATORS ABSENT:

<table>
<thead>
<tr>
<th>SL</th>
<th>Name of the Member &amp; Role</th>
<th>Designation</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Murugendrappa M V, Invitee (Proposer)</td>
<td>Principal Investigator-COE</td>
<td></td>
</tr>
</tbody>
</table>

Dr. K Mallikharjuna Babu, Principal, BMSCE & Chairman of the Committee welcomed the Procurement committee Member of Centre of Excellence. The committee noted the following:

1. **Review the status of procurement of the following packages:**

<table>
<thead>
<tr>
<th>S.L.no</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TEQIP/UI/KA/2G04/194 Water Jet Cutting Machine</td>
</tr>
<tr>
<td>2</td>
<td>TEQIP/UI/KA/2G04/193 Dual Sputtering Equipment</td>
</tr>
<tr>
<td>3</td>
<td>TEQIP/UI/KA/2G04/189 Precision impedance Analyzer</td>
</tr>
<tr>
<td>4</td>
<td>TEQIP/UI/KA/2G04/174 FTIR Spectroscope</td>
</tr>
</tbody>
</table>

The Committee decided to convene along with the external technical experts to review and recommend.

2. **To Change the mode of procurement from I C B (International Competitive Bidding) to L I B (Limited International Bidding) in respect of the following packages:**

<table>
<thead>
<tr>
<th>S.L no</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BM/COE/Scanning Electron Microscope</td>
</tr>
<tr>
<td>2</td>
<td>BM/COE/XRD/5-XRD Equipment</td>
</tr>
</tbody>
</table>

The Committee reviewed the mode and recommended the change in the mode of procurement to be placed for the approval of sub-committee of B O G (Board of Governor). The same will be placed before the next meeting of B O G which is scheduled on 26th May.

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86
### Meeting of Procurement Committee for Centre of Excellence (COE)

**BMS COLLEGE OF ENGINEERING, BANGALORE**

Technical Education Quality Improvement Programme-II (TEQIP-II) - Center of Excellence

Meeting of Procurement Committee for Centre of Excellence (COE) held on 19 May 2014 by 2.10 PM at TEQIP Seminar Hall, BMSCE

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the Member &amp; Role</th>
<th>Designation</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. K. Mallikarjuna Babu, Chairman</td>
<td>Principal, BMSCE</td>
<td><img src="image1" alt="Signature" /></td>
</tr>
<tr>
<td>2</td>
<td>Dr. N. J. Sathar, Member</td>
<td>Director – R &amp; D, BMSCE</td>
<td><img src="image2" alt="Signature" /></td>
</tr>
<tr>
<td>3</td>
<td>Dr. L. Ramkumar, Member</td>
<td>TEQIP Coordinator II</td>
<td><img src="image3" alt="Signature" /></td>
</tr>
<tr>
<td>4</td>
<td>Dr. K R Suresh, Member</td>
<td>TEQIP Nodal Officer – Finance</td>
<td><img src="image4" alt="Signature" /></td>
</tr>
<tr>
<td>5</td>
<td>Dr. M. S. Dharmadhikari, Member</td>
<td>TEQIP Nodal Officer – Procurement</td>
<td><img src="image5" alt="Signature" /></td>
</tr>
<tr>
<td>6</td>
<td>Dr. S. Srinivas, Writer (Proposer)</td>
<td>Principal Investigator – COE</td>
<td><img src="image6" alt="Signature" /></td>
</tr>
<tr>
<td>7</td>
<td>Dr. Murugendrappa M. V, Writer (Proposer)</td>
<td>Principal Investigator – COE</td>
<td><img src="image7" alt="Signature" /></td>
</tr>
<tr>
<td>8</td>
<td>Dr. Charlette Das, Writer (Proposer)</td>
<td>Principal Investigator – COE</td>
<td><img src="image8" alt="Signature" /></td>
</tr>
<tr>
<td>9</td>
<td>Dr. M. Ramachandra, Member Committee</td>
<td>Coordinator – COE</td>
<td><img src="image9" alt="Signature" /></td>
</tr>
</tbody>
</table>
May 15, 2014

Dear Prof. Dignaskar,

Please find attached DEA’s approval of the New Procurement Business Model (NBM) coming as a result of Bank’s proposal on Ways and Means to Enhance Procurement Management in Bank’s funded portfolio. This proposal is now put for implementation to all projects financed by the Bank. As discussed during last implementation Support Mission, here below are the main updates impacting procurement activities of your project:

1. Revised Thresholds for Procurement Methods: thresholds have been revised as follows:
   a. Goods up to $3 million equivalent can be procured using NCB
   b. Works up to $10 million equivalent can be procured using NCB
   c. Goods and Works up to $50,000 can be procured using shopping
   d. Direct contracting (goods) up to $50,000 – Books and proprietary items and
      up to $1,000 – for minor items

2. Discontinued ex-ante review and no objection by Bank of the following decisions related to post review contracts:
   a. re-bidding
   b. extensions of bid validity periods
   c. amendments to Goods/Works/Cons contracts (unless the resulting contract
      amount after amendment exceeds agreed Prior Review Threshold)
   d. very small consulting contracts (below $10,000), and,
   e. Individual consultants contracts (below $10,000) selected on sole source basis
      with the exception of critical assignments

3. Revised Thresholds for Prior Review by Bank:
   a. Works $5 million and above
   b. Goods $1.8 million and above
   c. IT and non-consultancy services $1.0 million and above
   d. Consultancy services by firms $0.2 million and above
e. Consultancy services by individuals $0.10 million and above
f. Single source selection of consultants $10,000 and above

You are kindly invited to advise institutes to update their respective procurement plans taking into account the new thresholds indicated above for both procurement methods and also for prior review thresholds. The revised procurement plan agreed for the project will be entered into the system after clearance from the BoG/ MC of respective institutions. Further the PNSS needs to be updated with revised thresholds.

We are available for any support or clarification you might require.

Thanks and best regards,

Yours sincerely,

[Signature]

Toby Limesi
Lead Education Specialist and Task Team Leader
### Annex 1: NCB Provisions

<table>
<thead>
<tr>
<th>Extant NCB Condition</th>
<th>Revised NCB Condition (DEA approved modifications)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only the model bidding documents for NCB agreed with the GOI Task Force (and as amended for time to time), shall be used for bidding</td>
<td>No change</td>
</tr>
<tr>
<td>Invitations to bid shall be advertised in at least one widely circulated national daily newspaper, at least 30 days prior to the deadline for the submission of bids</td>
<td>Invitations to bid shall be advertised in at least one widely circulated national daily newspaper and on a widely used website or electronic portal with free national and international access along with an abridged version of the said advertisement published in a widely circulated national daily inter-alia giving the website/electronic portal details from which the details of the invitation to bid can be downloaded, at least 30 days prior to the deadline for the submission of bids</td>
</tr>
<tr>
<td>No special preference will be accorded to any bidder either for price or for other terms and conditions when competing with foreign bidders, state-owned enterprises, small-scale enterprises or enterprises from any given State</td>
<td>No change</td>
</tr>
<tr>
<td>Except with the prior concurrence of the Bank, there shall be no negotiation of price with the bidders, even when the bwest evaluated bidder</td>
<td>No change</td>
</tr>
<tr>
<td>Extension of bid validity shall not be allowed without the prior concurrence of the Bank (i) for the first request for extension if it is longer than four weeks; and (ii) for all subsequent requests for extension irrespective of the period (such concurrence will be considered by Bank only in cases of Force Majeure and circumstances beyond the control of the Purchasing/ Employer)</td>
<td>Extension of bid validity shall not be allowed with reference to Contract subject to Bank prior review without the prior concurrence of the Bank (i) for the first request for extension if it is longer than four weeks; and (ii) for all subsequent requests for extension irrespective of the period (such concurrence will be considered by Bank only in cases of Force Majeure and circumstances beyond the control of the Purchasing/ Employer)</td>
</tr>
<tr>
<td>Re-bidding shall not be carried out without the prior concurrence of the Bank</td>
<td>Re-bidding shall not be carried out with reference to Contract subject to Bank prior review without the prior concurrence of the Bank</td>
</tr>
<tr>
<td>The system of rejecting bids outside a predetermined margin or &quot;bracket&quot; of prices shall not be used in the project</td>
<td>No change</td>
</tr>
<tr>
<td>Rate contracts entered into by Directorate General of Supplies and Disposals will not be acceptable as a substitute for NCB procedures. Such contracts will be acceptable however for any procurement under the iShopping procedures</td>
<td>Rate contracts entered into by Directorate General of Supplies and Disposals will not be acceptable as a substitute for NCB procedures unless agreed with the Bank on case to case basis. Such contracts will be acceptable however for any procurement under the iShopping procedures</td>
</tr>
<tr>
<td>Two or three envelope system will not be used</td>
<td>Two or three envelope system will not be used (except when using e-Procurement system assessed and agreed by the Bank)</td>
</tr>
</tbody>
</table>
Dear Sir/Madam,

With regards to the Track C changes in procurement procedure relating to World Bank Projects, DSA has concurred with the changes as listed in the Annexure. The changes in NCB conditions have been approved for experimentation for a period of one year to see their impact and evolve future course of action.

2. In addition to these changes, DSA requests the following:

a) That all Bank procurements should move to e-procurement platforms by March 2014. Also, e-procurement should become the preferred method for procurement for all new projects.

b) Bank should also actively consider the following:

(i) Reviewing thresholds for various procurement methods (shopping and NCB).

(ii) Reviewing thresholds for prior review based on assessment of procurement capacities of each project authority (as per a well thought out framework).

(iii) Capacity building of all implementing agencies to go hand in hand with these changes (based on a well designed capacity building plan)

With regret,

Yours sincerely,

[Signature]

Mr. Omotu Ruth
Country Director
World Bank (India)
7th, Lodhi Estate
New Delhi-110003
Fwd: Amendment to the procurement guidelines regarding the Value Thresholds and Review Arrangements - reg.

Viceprincipal - <viceprincipal@bmsce.ac.in>

To: tg10@bmsce.ac.in
Cc: Teqpi1 <teqpi1@bmsce.ac.in>

With best wishes...

Dr. G. N. SEKHAR, PhD
Vice Principal
BMS College of Engineering,
Bangalore 560019.
Phone/Fax:+91 080 26603963
Mobile: +91 98451 84215

--- Forwarded message ---

From: spfu.karnataka <spfukarnataka@gmail.com>
Date: Tue, Jul 1, 2014 at 4:55 PM
Subject: Fwd: Amendment to the procurement guidelines regarding the Value Thresholds and Review Arrangements - reg.

To: "UVECE, Bangalore" <venugopalk@gmail.com>, bmrucce@yahoo.co.in, thrvenigowda@yahoo.co.in, raja_kk@yahoo.com, BMS Bangalore <drkrmbabu@gmail.com>, drkrmbabu@bmsce.ac.in, BMS Bangalore <viceprincipal@bmsce.ac.in>, BMS Bangalore <rai.mech@bmsce.ac.in>, BMS Bangalore <rvbmsce@yahoo.com>, "DharmaPraKASH M.S." <msdharmaPraKash@gmail.com>, msd.chenn@bmsce.ac.in, MCE Hassan <ks@mcehassan.ac.in>, MCE Hassan <kguru.hsr@gmail.com>, reg@mcehassan.ac.in, NIE Mysore <principal@nie.ac.in>, NIE Mysore <principalvie@nie.ac.in>, NIE Mysore <phdpaneer@nie.ac.in>, The National Institute of Engineering Mysore <nie.teqpi.mysore@gmail.com>, kumar_rve@yahoo.co.in, principal <principal@sice.ac.in>, ssr_sice@yahoo.co.in, Prasad Sundaraj <prasad.4_k@yahoo.com>, manoj_kumar_b@hotmail.com, SIT Tumkur <director@sit.ac.in>, SIT Tumkur <mmc_sit@hotmail.com>, dinohevy2004@yahoo.com, principal@sit.ac.in, SIT Tumkur <skshittum@yahoo.com>, SSIT Tumkur <ak.10746@rediffmail.com>, SSIT Tumkur <ak.mehath@yahoo.com>, crrmk@gmail.com, NMAMIT nitte <principal_nammit@nitte.ac.in>, NMAMIT nitte <mimith69@yahoo.com>, yogesheegle@yahoo.com, SDM Dhanaw <orcinical@sdmcet.ac.in>, SDM Dhanaw <dr.s.m.kumar@gmail.com>, SDM Dhanaw <maahesh.pati@gmail.com>, rajashekar.pati <rashwan123@gmail.com>, principal@pes.edu, Shreekarth Prathu <shreekarthprathu@pes.edu>, sspati@pes.edu, RVCE Bangalore <principal@rvce.ac.in>, RVCE Bangalore <satya@rvce.edu.in>, "Prof. KNMT" <rajaraok@rvce.ac.in>, satya.s@rvce.edu.in, PDA Gulbarga <principal@pdaengg.com>, PDA Gulbarga <cmglobal100@rediffmail.com>, geoke_purohit@rediffmail.com, principal@msrit.edu, sy.kale@yahoo.com, viceprincipal@msrit.ac.in, "MSRIT, Bangalore" <hod_im@msrit.ac.in>, "MSRIT, Bangalore" <rvmeadu@yahoo.com>, yaginras@hotmail.com, becprincipal@yahoocn, BEC Bagalkot <becteepcpc@gmail.com>, vinod505@yahoo.co.in, "Dr. AIT, Bangalore" <swamy.vtu@yahoo.com>, CHANDRASAGAR LC <lcstcpepa@gmail.com>, sidaraju_l@yahoo.co.in, "Dr. AIT, Bangalore" <crgmv@yahoo.com>, Shashidhar Ramatal <principalwips@gmail.com>, Basavaraju T G <t.g.basu@gmail.com>, thummalai anandakrishnan <aakithi@gmail.com>, BV Bhub <ashokshettar@bvb.com>, BV Bhub <tl@coor@bvb.com>, blides@bvb.com, tngcorp@tvtv.com, PES Mandya <venusridhar@yahoo.com>, Ravindra HV <mailhova@yahoo.com>, slsp_pesc@yahoocom, NMIT Bangalore <principal@nmit.ac.in>, Ranganatha setty <karanthy@hotma.com>, hrmgama@india.com
Cc: raghuu.sfpf <raghu.sfpf@hotmail.com>, Tejwari <nutschalawar@yahoo.co.in>

--- Forwarded message ---

From: NPIU <teqpi.rupe@gmail.com>
Date: Tue, Jul 1, 2014 at 3:08 PM

Subject: Amendment to the procurement guidelines regarding the Value Thresholds and Review
Arrangements - reg.

Sir,

As you are aware, the project entities (i.e. Project Institutions (Pis), State Project Facilitation Units (SPFUs) & National Project Implementation Unit (NPIU)) are required to process all the procurement activities of TEQIP-II through Procurement Management Support System (PMSS).

2. Recently, NPIU had received a communication from the World Bank regarding the applicable New Procurement Business Model (NBM) for the project (attached as Annex A).

3. Under the NBM, all the thresholds for various selection methods applicable for the project stands revised as under:

<table>
<thead>
<tr>
<th>Category</th>
<th>Value per contract (Earlier)*</th>
<th>Value per contract (New)*</th>
<th>Procurement Method</th>
<th>Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goods</td>
<td>Nil</td>
<td>&gt;= Rs 50,000,000</td>
<td>National Competitive Bidding (NCB)</td>
<td>Prior</td>
</tr>
<tr>
<td></td>
<td>&lt;= Rs 15,00,000</td>
<td>&lt;= Rs 50,000,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt; Rs 1,00,000</td>
<td>&lt;= Rs 2,500,000</td>
<td>Shopping</td>
<td>Post</td>
</tr>
<tr>
<td></td>
<td>&lt;= Rs 1,00,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Proprietary Equipment</td>
<td>Proprietary Equipment</td>
<td>Direct Contracting</td>
<td>Post</td>
</tr>
<tr>
<td></td>
<td>&gt; Rs 1,00,000</td>
<td>&gt; Rs 2,500,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;= Rs 1,00,000</td>
<td>&lt;= Rs 2,500,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Furniture</td>
<td>&lt;= Rs 1,000,000</td>
<td>&lt;= Rs 2,500,000</td>
<td>Shopping</td>
<td>Post</td>
</tr>
<tr>
<td>Books &amp; Learning Resources</td>
<td>&gt; Rs 1,00,000</td>
<td>&gt; Rs 2,500,000</td>
<td>Direct Contracting / Shopping</td>
<td>Prior</td>
</tr>
<tr>
<td></td>
<td>&lt;= Rs 1,00,000</td>
<td>&lt;= Rs 2,500,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor Items</td>
<td>&lt;= Rs 25,000</td>
<td>&lt;= Rs 50,000</td>
<td>Direct Contracting</td>
<td>Post</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td>-------------------</td>
<td>-----</td>
</tr>
<tr>
<td>Works</td>
<td>&gt;= Rs 250,000</td>
<td>&gt;= Rs 500,000</td>
<td><strong>National Competitive Bidding (NCB)</strong></td>
<td>Prior</td>
</tr>
<tr>
<td></td>
<td>&lt;= Rs 1,500,000</td>
<td>&lt;= Rs 250,000,000</td>
<td><strong>National Competitive Bidding (NCB)</strong></td>
<td>Post</td>
</tr>
<tr>
<td>&lt;= Rs 1,500,000</td>
<td>&lt;= Rs 2,500,000</td>
<td><strong>Shopping</strong></td>
<td>Post</td>
<td></td>
</tr>
<tr>
<td>&lt;= Rs 50,000</td>
<td>&lt;= Rs 50,000</td>
<td><strong>Direct Contracting</strong></td>
<td>Post</td>
<td></td>
</tr>
<tr>
<td>Services</td>
<td>&gt;= Rs 50,000,000</td>
<td>&gt;= Rs 50,000,000</td>
<td><strong>Quality and Cost Based Selection (QCBS)/ Fixed Budget Selection (FBS)/ Least Cost Selection</strong></td>
<td>Prior</td>
</tr>
<tr>
<td></td>
<td>&lt;= Rs 5,000,000</td>
<td>&lt;= Rs 5,000,000</td>
<td><strong>Quality and Cost Based Selection (QCBS)/ Fixed Budget Selection (FBS)/ Least Cost Selection</strong></td>
<td>Post</td>
</tr>
<tr>
<td>&lt;= Rs 5,000,000</td>
<td>&lt;= Rs 50,000,000</td>
<td><strong>Least Cost Selection (LCS)/ Consultant's Qualification Based Selection (CCS)/ Fixed Budget Selection (FBS)</strong></td>
<td>Post</td>
<td></td>
</tr>
<tr>
<td>&lt;= Rs 5,000,000</td>
<td>&lt;= Rs 10,000,000</td>
<td><strong>Least Cost Selection (LCS)/ Consultant's Qualification Based Selection (CCS)/ Fixed Budget Selection (FBS)</strong></td>
<td>Post</td>
<td></td>
</tr>
<tr>
<td>&gt;= Rs 100,000</td>
<td>&gt;= Rs 500,000</td>
<td><strong>Single Source Selection (SSS)</strong></td>
<td>Prior</td>
<td></td>
</tr>
<tr>
<td>&lt;= Rs 100,000</td>
<td>&lt;= Rs 500,000</td>
<td><strong>Single Source Selection (SSS)</strong></td>
<td>Post</td>
<td></td>
</tr>
<tr>
<td>Nil</td>
<td>&gt;= Rs 5,000,000</td>
<td><strong>Individual Consultant Selection (ICC)</strong></td>
<td>Prior</td>
<td></td>
</tr>
<tr>
<td>Nil</td>
<td>&lt;= Rs 5,000,000</td>
<td><strong>Individual Consultant Selection (ICC)</strong></td>
<td>Post</td>
<td></td>
</tr>
</tbody>
</table>

*The conversion rate is taken as 1 USD = Rs 50*
4. Additionally, the Bank also discontinued ex-ante review and no objection by the World Bank of the following related to post-review contracts:
   a. rebidding
   b. extensions of bid validity periods
   c. amendments to Goods/ Works/ Consultancy Contracts (unless the resulting contract amounts after amendment exceeds agreed Prior Review Threshold)
   d. very small contracts (below USD 10,000)
   e. Individual consultants contracts (below USD 10,000) selected on sole source basis with the exception of critical assignments

5. Accordingly, the PMSS software would be updated soon as per these new thresholds. All the above changes are now applicable in the project.

6. All the project institutions are requested to make necessary changes in their procurement plans, if required.

With regards,

Yours faithfully,

Prof A U Digaskar
Central Project Advisor
National Project Implementation Unit (NPIU)
EDCIL House, 4th Floor, Plot No. 18-A, Sector 16-A
NCIDA-201 301, Uttar Pradesh
Phone: 0120-2513928, Mobile: 9710493290
EPABX No. 0120-2513921, 2513946
Fax Nos. 0120-2513926, 2512485
Email : npiuweb@hotmail.com
Web: www.npiu.nic.in

End: As above
Sharan C. Padashetty
Officer on Special Duty,
State Project Coordinator,
SPFU Karnataka,
Technical Education Quality Improvement Programme (TEQIP),
(A World Bank Assisted Project)
Directorate of Technical Education,
Bangalore 560 001
Following are Specific Changes in NBC Conditions approved by DCA as per
amended for one year:

1. Discontinuation of prior review of a number of transactions as follows:
   - Discontinue prior review of re-tendering decisions with respect to post review
     contracts (previously required by NBC conditions for bids).
   - Discontinue prior review of extensions of bid validity periods with respect to post
     review contracts (previously required by NBC conditions for bids).
   - Discontinue in respect of GDA/Works/Consultancy contracts that are subject to post review (unless the resulting contract amount exceeds
     the specified limit).
   - Discontinue prior review of very small consultancy contracts and individual
     consultancy contracts selected as sole source basis with the exception of critical
     assignments (to be identified in Procurement Plan).

2. Changes in bidding conditions of NBC:

<table>
<thead>
<tr>
<th>Current Condition</th>
<th>NBC approved Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Invitations to bid shall be advertised in at least one widely circulated national daily newspaper, at least 30 days prior to the deadline for the submission of bids.</td>
<td>Invitations to bid shall be advertised in at least one widely circulated national daily newspaper or on a widely used website or electronic portal with free national and international access along with an e-bidding version of the said advertisement being published in at least one widely circulated national daily newspaper or on a widely used website or electronic portal with free national and international access along with an e-bidding version of the said advertisement being published in a widely circulated national daily newspaper or on a widely used website or electronic portal.</td>
</tr>
<tr>
<td>(ii) Extension of bid validity shall not be allowed without the prior concurrence of the Board and for the first request for extension if it is longer than 8 weeks and (iii) for all subsequent requests for extension irrespective of the period the concurrence will be considered by Bank only in cases of Force Majeure and circumstances beyond the control of the Purchaser/Recipient.</td>
<td>Extension of bid validity shall not be allowed without the prior concurrence of the Board and for the first request for extension if it is longer than 8 weeks and (iii) for all subsequent requests for extension irrespective of the period the concurrence will be considered by Bank only in cases of Force Majeure and circumstances beyond the control of the Purchaser/Recipient.</td>
</tr>
<tr>
<td>(iii) Re-bidding shall not be carried out without the prior concurrence of the Board. The system of rejecting bids outside a pre-determined margin or “bbox” of prices shall not be used in the process.</td>
<td>Re-bidding shall not be carried out without the prior concurrence of the Bank. The system of rejecting bids outside a pre-determined margin or “bbox” of prices shall not be used in any contract under the project.</td>
</tr>
</tbody>
</table>

(Mayur M.B.)
Joint Secretary (DIR)
20. Fiscal incentive to UG Projects
The TEQIP Co-ordinator-I brought to the notice of the members that a few faculty members are seeking for increasing the maximum limit for fiscal incentive being awarded to UG students for their research project from Rs.10,000/- per case to Rs.20,000/-maximunm as fiscal incentive to UG students for their Research project for each batch with due recommendation of the committee & HOD for the students starting from the academic year 2013-14.

21. Review of activities of Centre of Excellence on Advanced Materials
(a) New M.Tech. Program entitled 'Manufacturing Science & Engineering'
Dr. M. Ranachandra, Principal Coordinator of the COE, informed the committee that admissions to the said program for the academic year 2014-15 are in progress.

(b) Review of the activities of the COE organised by NPIU
The committee took a note about the presentation made by the members of the COE on 'progress in the activities of COE' before the Review Committee as per the NPIU instructions. The committee also took a note of the NPIU's communication on the observations of the review committee and the action plan submitted by the college in this regard [Annexure-16].

(c) Status of procurement under the COE in Advanced Materials Research
The committee took a note of the following status of procurement under COE and also noted the change in the mode of procurement from LIB to NCB in case of XRD Equipment and Scanning Electron Microscope as per the instructions of SPFU & NPIU and approved the same.

<table>
<thead>
<tr>
<th>Item</th>
<th>Estimated Cost (Rs.)</th>
<th>Approved Mode of Procurement</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasive Water Jet Cutting Machine</td>
<td>89,51,37/-</td>
<td>NCB</td>
<td>Purchase Orders issued and VTU Customs Duty Exemption Certificates have been secured. Delivery and installation of equipment is expected to complete during September.</td>
</tr>
<tr>
<td>Dual Spattering Equipment</td>
<td>7,87,34/-</td>
<td>NCB</td>
<td></td>
</tr>
<tr>
<td>FTIR Spectroscopy Equipment</td>
<td>5,75,00/-</td>
<td>NCB</td>
<td></td>
</tr>
<tr>
<td>Precision Impedence Analyser</td>
<td>12,41,65/-</td>
<td>NCB</td>
<td></td>
</tr>
<tr>
<td>XRD Equipment</td>
<td>70,00,00/-</td>
<td>NCB</td>
<td>SPFU and SPFU have advised to process the procurement through NCB and NCB process has been initiated</td>
</tr>
<tr>
<td>Scanning Electron Microscope</td>
<td>1,00,00,00/-</td>
<td>NCB</td>
<td></td>
</tr>
</tbody>
</table>
8.1 MINUTES OF THE MEETING OF THE SUB-COMMITTEE OF BOG OF TEQIP PHASE-II AND THE REPORT ON THE ACTIVITIES OF TEQIP PHASE II

The Vice-Principal presented a brief report on various activities of TEQIP Phase II and component wise details of expenditure incurred under the Project. Prof. D.Thukaram, Chairman of the BOG Sub Committee for TEQIP Phase II informed that in addition to the above said meetings, a good number of meetings have been conducted for the period from the previous BOG meeting and appreciable progress has been achieved by the Institution under TEQIP Phase II (minutes enclosed at Annexure-X).

After deliberations, the BOG ratified the minutes of the tenth & eleventh meetings of the subcommittee of BOG of TEQIP Phase-II held on 26.05.2014 and 10.09.2014.

Sd/-

MEMBER-SECRETARY
NATIONAL COMPETITIVE BIDDING FOR
THE SUPPLY OF BM/COE/Scanning Electron Microscope/1RRR

SECTION I: INVITATION FOR BIDS (IFB)

Date : 22.03.2014
Credit No. : Cr. 4655-0 IN
IFB No. : TQIP-II/KA/KA2G04/216

1. The Government of India has received a Credit (Cr. 4655-0 IN) from the International Development Association in various currencies towards the cost of project 'Technical Education & Quality Improvement Programme (TEQIP)-Phase II' (TEQIP II) and it is intended that part of the proceeds of this credit will be applied to eligible payments under the contracts for which this Invitation for Bids is issued.

2. The [Name of Institution], Bangalore now invites sealed bids from eligible bidders for supply of BM/COE/Scanning Electron Microscope/1RRR listed below:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Item Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scanning Electron Microscope</td>
<td>1</td>
</tr>
</tbody>
</table>

3. Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of the TEQIP Office, [Name of Institution], [Address], [City], [State], India.

4. A complete set of bidding documents may be purchased by any interested eligible bidder on the submission of a written application to the above office and upon payment of a non-refundable fee as indicated below in the form of a Demand Draft in favour of The Principal, [Name of Institution], payable at Bangalore. An interested bidder may also download the bid document from the college website, however, needs to submit a letter of request along with the Demand Draft towards non-refundable fee of the bid document, 24 hours prior to the pre-bid meeting seeking the consent of the college authorities for permitting the authorized person(s) of the said firm/agency to participate in the pre-bid meeting.


6. The bidding document may be obtained from the office of TEQIP Office, [Name of Institution], [Address], [City], [State], India, during office hours namely, from 10:00 hrs to 17:00 hrs, on all working days either in person or by post.

(a) Price of bidding document (non-refundable) : ₹ 2000
(b) Postal charges, inland : ₹ 500
(c) Postal charges, overseas : ₹ NA
(d) Date of commencement of sale of bidding document : Date 22.09.2014 TIME: 10:00 Hrs
(e) Last date for sale of bidding document : Date 28.10.2014 TIME: 10:00 Hrs
(f) Last date and time for receipt of bids : Date 28.10.2014 Time 10:00 Hours
(g) Time and date of :Date 28.10.2014 Time 10:30 Hours

E-1 4 NCB

101
4 (b) Review of Procurement Plan under the COE in Advanced Materials Research TEQIP-II (Component 1.2.1)

The TEQIP Co-ordinator informed the committee that the outlay for the proposed procurement plan under COE is for Rs.321 Lakhs as against the permissible limit for procurement under Centre of Excellence (COE) of Rs.275 Lakhs as per NPIU norms. He also reminded the members about the BOG’s consent to provide additional funds up to Rs.30 Lakhs from management for the said purpose in its 54th meeting held on 13.1.14.

The committee informed to meet the expenditure for the following items out of Rs. 30 Lakhs to be extended by the Management and to seek BOG’s approval for the necessary additional fund to the extent of Rs.13 Lakhs in addition to Rs.30 Lakhs already accorded.

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Item</th>
<th>Estimated Cost /Order Value (Rs.)</th>
<th>Approved Mode of Procurement</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FTIR Spectroscopy Equipment</td>
<td>9,75,000/-</td>
<td>NCB</td>
<td>Purchase Order released and waiting for delivery</td>
</tr>
<tr>
<td>2</td>
<td>Precision Impedance Analyser</td>
<td>12,42,657/-</td>
<td>NCB</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Conductivity Measurement Test</td>
<td>8,00,000/-</td>
<td>Shopping</td>
<td>Invitation for Quotation under process</td>
</tr>
<tr>
<td>4</td>
<td>Miscellaneous Items</td>
<td>2,80,500/-</td>
<td>Shopping</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UV/VIS Spectro-Photometer</td>
<td>6,75,000/-</td>
<td>Shopping</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Workstations</td>
<td>4,00,000/-</td>
<td>Shopping</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>43,75,137/-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The committee accorded approval to initiate procurement of XRD Equipment in PMSS at the estimated value of Rs.76,00,000/-.

At this point of time, Dr.P.Dayanand Pai, Chairman-BOG arrived and greeted the members. The Chairman of the BOG sub-committee briefed him about the activities of TEQIP and COE and requested for sanction of grants of Rs.13 Lakhs in addition to the Rs.30 Lakhs already approved by the BOG for execution of the procurement plan of COE. The Chairman-BOG expressed satisfaction and consented to take up the matter in the next BOG.

5. Information on International Travel by NPIU

The committee took a note of the information received from NPIU/SPFU and also refused the applications submitted by Sri. Gururaj, Assistant Professor, Department of
EXTRACT OF THE MINUTES OF THE 57TH MEETING OF THE BOARD OF GOVERNORS HELD ON 20TH NOVEMBER 2014

5.2 MINUTES OF THE MEETINGS OF THE SUB-COMMITTEE OF BOG OF TEQIP PHASE-II AND THE REPORT ON THE ACTIVITIES OF TEQIP PHASE II

The Vice-Principal and the TEQIP Coordinator-I presented a brief report on activities of TEQIP Phase II along with component wise details of expenditure incurred under the Project. The minutes of the 12th & 13th meetings of the sub-committee of BOG of TEQIP Phase II were ratified and approved (minutes of the meetings are enclosed at Annexure-VII).

The BOG ratified and approved extending financial assistance of 390 USD to Dr. M. Indiramma, Professor of CSE towards registration fee for the World Engineering Education Forum Conference 2014, scheduled to be held during December 2014 in Dubai, in line with the earlier decision in this regard.

The BOG ratified the selection of Ms. Diptoshi Roy and Ms. G. Padmavathi as Research Assistants to the Center of Excellence in Advanced Materials Research [component 1.2.1 of TEQIP II] on a Research Assistantship of Rs.16,000/- per month with permissible HRA as per the norms of the state government.

The BOG approved and ratified the decision of the subcommittee of BOG to engage the services of Dr. Shailendra Rao Nalige, COO, EHE Innovations Pvt. Ltd and Dr. Manish Arora, Open Medical Devices, Bangalore for providing guidance to the R & D activities of the department of Medical Electronics under TEQIP II as per the norms.

The BOG also ratified and approved the permission granted by the Sub-committee of BOG to various faculty members & students for attending conferences/training programs with financial assistance & OOD as listed in Annexure-VIII.

The Vice principal informed the BOG that the second Performance & Data Audit of TEQIP Phase-II by Performance Auditor, Dr. A. Subhash Babu, Professor, IITB and Data Auditor Prof.B.M.Rudresh, Assistant Professor, Government Engineering College, K.R. Pet is scheduled to be held from 25th to 27th November 2014.

Sd/-
MEMBER-SECRETARY

103
PMSS - Procurement Management Support System

Request/Order - Window: Journal Entry

To see comments on your Request/Order, click on the Request/Order ID. Please change the default Request Type "Technical"

- Indicate " Agile file" option not visible on Description Box:
- While trying to add an option in place of cancelled package, we could not add package to be " Agile" option does not available for us to add.
- Please do the needful.

Prepared: Nodal Officer

BMW College of Engineering, Bangalore

While trying to add an option in place of cancelled package, we could not add package to be " Agile" option does not available for us to add.

Please do the needful.

Prepared: Nodal Officer

BMW College of Engineering, Bangalore

Request/Order - Window: Journal Entry
NATIONAL COMPETITIVE BIDDING FOR
THE SUPPLY OF BMS/COE/XRD/SRRR

SECTION I: INVITATION FOR BIDS (IFB)

Date: 10.03.2015
Credit No.: Cr. 4655-0 IN
IFB No.: TEQIP-I/KA/KA2G04/220

1. The Government of India has received a Credit (Cr. 4655-0 IN) from the International Development Association in various currencies towards the cost of project ‘Technical Education Quality Improvement Programme [TEQIP]-Phase II (TEQIP II) and it is intended that part of the proceeds of this credit will be applied to eligible payments under the contracts for which this Invitation for Bids is issued.

2. The Principal, BMS College of Engineering, Bangalore now invites sealed bids from eligible bidders for supply of BM/COE/XRD/S listed below:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Item Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X-Ray Diffatrometer (XRD System / Equipment)</td>
<td>1</td>
</tr>
</tbody>
</table>

3. Interested eligible Bidders may obtain further information from and inspect the bidding documents at the office of the TEQIP, BMS College of Engineering, 6th Floor, B S Narayan Bhavan, Bull Temple Road, Bangalore 560019, Karnataka, India.

4. A complete set of bidding documents may be purchased by any interested eligible bidder on the submission of a written application to the above office and upon payment of a non-refundable fee as indicated below in the form of a Demand Draft in favour of The Principal BMS College of Engineering, payable at Bangalore. An interested bidder may also download the bid document as well as addendum/corrigendum from the college website, however, needs to submit the non-refundable cost of the bid along with the bid and bid security.


6. The bidding document may be obtained from the office of BMS College of Engineering, Bangalore during office hours namely, from 10:00 hrs to 17:00 hrs, on all working days either in person or by post.

(a) Price of bidding document (non-refundable): ₹ 2000/-
(b) Postal charges, inland: ₹ 500/-
(c) Postal charges, overseas: NA
(d) Date of commencement of sale of bidding document: 10.03.2015 10:00 Hours
(e) Last date for sale of Bidding document: 08.04.2015 12:00 Hours
(f) Last date and time for Receipt of bids: 08.04.2015 14:00 Hours
(g) Time and date of Opening of bids: 08.04.2015 14:00 Hours
(h) Time and date of Pre-bid meeting: 23.03.2015 11:00 Hours

E-1 4 NCB
<table>
<thead>
<tr>
<th>Question</th>
<th>Spectris Technologies Pvt Ltd</th>
<th>IR Technology Services Pvt Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is Bid received?</td>
<td>YEA</td>
<td>YEA</td>
</tr>
<tr>
<td>Is Bid withdrawn?</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Is Bid modified?</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Is Bid duly signed?</td>
<td>YEA</td>
<td>YEA</td>
</tr>
<tr>
<td>Bid Number</td>
<td>IN13/042.001-0</td>
<td>ENS/IND/6794</td>
</tr>
<tr>
<td>Bid date</td>
<td>06-04-15</td>
<td>06-04-15</td>
</tr>
<tr>
<td>Validity of Bid</td>
<td>91 day</td>
<td>135 days</td>
</tr>
<tr>
<td>Validity of Bid Security</td>
<td>135+ day</td>
<td>135 + day</td>
</tr>
<tr>
<td>Is Bid security as specified?</td>
<td>YEA</td>
<td>YEA</td>
</tr>
<tr>
<td>Is the cost of Bid document attached?</td>
<td>YEA</td>
<td>YEA</td>
</tr>
<tr>
<td>Unconditional Discount, if any (%)</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Read out price without taxes</td>
<td>₹78,12,119-00</td>
<td>₹68,34,250-00</td>
</tr>
<tr>
<td>Sr.</td>
<td>Name of the Member &amp; Role</td>
<td>Designation</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Dr. K. Mallikarjuna Balu, Chairman</td>
<td>Principal, BMSCE</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Martin Jhara, Member</td>
<td>Director – R &amp; D, BMSCE</td>
</tr>
<tr>
<td>3</td>
<td>Dr. R. Ravi Kumar, Member</td>
<td>TEQIP Coordinator II</td>
</tr>
<tr>
<td>4</td>
<td>Dr. M. S. Bharmaparakash, Member</td>
<td>TEQIP Nodal Officer – Procurement</td>
</tr>
<tr>
<td>5</td>
<td>Dr. K. R. Suresh, Member</td>
<td>TEQIP Nodal Officer – Financer</td>
</tr>
<tr>
<td>6</td>
<td>Dr. M. Ramachandra, Proposer &amp; Member Convenor</td>
<td>Coordinator – COE</td>
</tr>
</tbody>
</table>

Venue: TEQIP Conference Hall, BMSCE

Ref: BID REFERENCE NO: TEQIP-IIFK/KA209/220

Item: X-ray Diffractometer System/ Equipment (XRD)
<table>
<thead>
<tr>
<th>Question</th>
<th>Spectris Technologies Pvt Ltd</th>
<th>IR Technology Services Pvt Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is Cross Discount applicable?</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Is Technically Responsive?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Quantity as specified?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Delivery Period</td>
<td>120 days</td>
<td>120 days</td>
</tr>
<tr>
<td>Is the Place of Delivery as specified?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Are the Payment Terms Agreed?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Is Warranty as Specified?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Essential Accessories price included?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Optional Spares Accessories included?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Is Testing/ Commissioning/ Installation Included?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Is Training Included?</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Is there any Price Adjustment?</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
### BID EVALUATION FORM

<table>
<thead>
<tr>
<th>Question</th>
<th>Spectris Technologies Pvt Ltd</th>
<th>IR Technology Services Pvt Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reason(s) for Price Adjustment</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Evaluated Price</td>
<td>₹70,794.24</td>
<td>₹63,64,250</td>
</tr>
<tr>
<td>Comments</td>
<td>with 5.15% Customs only</td>
<td>with 5.5% Customs only</td>
</tr>
<tr>
<td></td>
<td>without ICDD, PDF2</td>
<td>without ICDD, PDF2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Name of the Member &amp; Role</th>
<th>Designation</th>
<th>Signature</th>
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<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>Dr. Martin Jeevanraj, Member</td>
<td>Director - R &amp; D, BMSCE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Dr. L. Ravikumar, Member</td>
<td>TEQIP Coordinator II</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Dr. M. S. Dharmaprakash, Member</td>
<td>TEQIP Nodal Officer - Procurement</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Dr. K R Suresh, Member</td>
<td>TEQIP Nodal Officer - Finance</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Dr. M Ramachandra, Proposer &amp; Member Convener</td>
<td>Coordinator - COE</td>
<td></td>
</tr>
</tbody>
</table>

**Venue:** TEQIP Conference Hall, BMSCE

**Ref:** BID REFERENCE NO: TEQIP-II/KA/KA2G4/220

**Item:** X-Ray Diffractometer System/ Equipment (XRD)
**BMS COLLEGE OF ENGINEERING, BANGALORE**  
Technical Education Quality Improvement Programme-II (TEQIP-II)  
Center of Excellence in Advanced Materials Research

**Bid Evaluation and Recommendation for the procurement of X-Ray Diffractometer (XRD)**  
System/Equipment (Package: BM/COE/XRD/SRRRT/TEQIP-II/KA/KA2004/220)  
held on 23rd April 2015 at 02.30 PM in the TEQIP Seminar Hall, BMSCE

Dr. K. Mallikharjuna Babu, Principal & Chairman of the Committee welcomed the Members of the Procurement Committee for Centre of Excellence.

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Date</th>
<th>Particulars</th>
<th>Recommendation/Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10-09-2014</td>
<td>Approval for Procurement</td>
<td>Approved by BOG</td>
</tr>
<tr>
<td>2</td>
<td>10-03-2015</td>
<td>PMSS upload</td>
<td>Uploaded digitally generated bid document to SPU/NPIU</td>
</tr>
<tr>
<td>3</td>
<td>10-03-2015</td>
<td>Invitation of Bids</td>
<td>Advertisement published in the National newspapers.</td>
</tr>
<tr>
<td>4</td>
<td>23-03-2015</td>
<td>Pre-Bid Meeting</td>
<td>Provided clarification, corrigendum issued</td>
</tr>
<tr>
<td>5</td>
<td>08-04-2015</td>
<td>Receipt of Bids</td>
<td>Recording done in the Inward Register</td>
</tr>
<tr>
<td>6</td>
<td>08-04-2015</td>
<td>Bid opening &amp; Technical Evaluation</td>
<td>Bid opening meeting held and bids opened. No. of bids received: 02 Bidders:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1. M/s. IR Technology Services Pvt Ltd</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. M/s. Spectris Technologies Pvt Ltd</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Minutes: Bid Opening &amp; Bid Evaluation Forms filled-in, Prices read out to bidders who</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>were present and evaluation process initiated</td>
</tr>
<tr>
<td>7</td>
<td>15-04-2015</td>
<td>Meeting of Technical Expert committee</td>
<td>Review of technical evaluation carried out</td>
</tr>
<tr>
<td>8</td>
<td>20-04-2015</td>
<td>Clarification sought from M/s. IR Technology</td>
<td>As per Annexure- 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Services Pvt Ltd</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>22-04-2015</td>
<td>Clarification received by email with brochure</td>
<td>As per Annexure II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>consisting of detailed specifications</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>22-04-2015</td>
<td>Second Meeting of Technical Expert</td>
<td>Second Review of technical evaluation carried out and submitted for recommendations to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>committee</td>
<td>the expert committee.</td>
</tr>
</tbody>
</table>


Page 1 of 3
BMS COLLEGE OF ENGINEERING, BANGALORE
Technical Education Quality Improvement Programme-II (TEQIP-II)

Observations:
1. The Procurement Committee observed that the two bids received are eligible (Rest: submitted the Bid Security and Bid Fee) for further consideration.

2. It is noted by the Technical Evaluation Committee that M/s IR Technology Services Pvt. Ltd., has quoted for RIGAKU -ULTIMA IV MODEL Specifications and do not comply to specs 1 (viii), 2 (x, xiii), 9 of the bid document hence become technically non-responsive. Further it is noted that M/s IR Technology Services Pvt. Ltd., has not quoted for the preferred item 4(ii)

3. The Technical Evaluation Committee further noted that M/s Spectris Technologies Pvt. Ltd., has submitted their bid for XPERT3 POWDER MODEL and all the specifications are met with those of the Bid document and hence technically responsive.

4. The Procurement Committee noted that the bid submitted by M/s Spectris Technologies Pvt. Ltd. is technically responsive and the bid submitted by M/s IR Technology Services Pvt. Ltd., is technically non-responsive.

5. The Procurement Committee observed M/s IR Technology Services Pvt. Ltd., has not complied with the payment terms stipulated in the bid document. The quoted payment terms of 90% on delivery and balance on installation acceptance is not in compliance with stipulated payment terms of 80% on delivery, instauration, commissioning and test run and balance on training completion and final acceptance. M/s IR Technology Services Pvt. Ltd., also failed to meet the terms specified in the bid document for AMC.

6. The Procurement Committee also observed that the bid submitted by M/s Spectris Technologies Pvt. Ltd., also complied with the payment terms & conditions as per the Bid document, hence becomes responsive both technically & commercially.

7. The Procurement Committee recommends to procure ICSD data base and not to consider ICDD PDF 2 for procurement.

Recommendation:
1. In view of the above observations & facts the Procurement Committee constituted for Center of Excellence (COE), recommends to place the purchase order with the lowest technically & commercially responsive bidder i.e., M/s Spectris Technologies Pvt. Ltd., Gurgaon-122002 at a cost of Rs. 70,79,424/- (Rupees Seventy nine thousand four hundred and twenty four only) that includes a concessional 5.15% customs duty against Customs Duty Exemption Certificate with high seas clearance documents for one number of X-Ray Diffractometer (XRD) System / Equipment as per the terms and conditions of the bid document. However, M/s Spectris Technologies Pvt. Ltd, Gurgaon,
shall be asked to provide the receipts for payment of customs duty and the college shall pay the actual custom duty paid by M/s. Spectris Technologies Pvt. Ltd., to them.

2. A letter of credit be issued for the cost of the equipment, after receiving the acceptance of the purchase order and the performance security by M/s. Spectris Technologies Pvt. Ltd.

The meeting concluded with thanks to the chair.

<table>
<thead>
<tr>
<th>S/No</th>
<th>Name of the Member &amp; Role</th>
<th>Designation</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Principal, BMSCE</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Martin Jeebaraj, Member</td>
<td>Director – R &amp; D, BMSCE</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Dr. G. N. Sekhar</td>
<td>Vice Principal - Invitee</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Dr. L. Ravikumar, Member</td>
<td>TEQIP Coordinator II</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Dr. M.S. Dharmarajaksh, Member</td>
<td>TEQIP Nodal Officer - Procurement</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Dr. K R Suresh, Member</td>
<td>TEQIP Nodal Officer-Finance</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Dr. C. Shivakumar, External Expert</td>
<td>Principal Research Scientist, IISc, Bangalore</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Dr. M Ramachandra, Member-Convener &amp; Proposer</td>
<td>Coordinator – COE</td>
<td></td>
</tr>
</tbody>
</table>

Page 3 of 3

115
To
The Central Project Advisor,
National Project Implementation Unit (NPIU)
Ed.CII, House, 4th Floor, Plot No: 1B-A, Sector 16-A,
Noida – 201301 UP

Dear Sir,

Sub: Procurement of X-Ray Diffractometer (XRD) System/ Equipment under TEQIP-II Center of Excellence in Advanced Materials Research (1.2.1)

Ref: PMSS NCB Package No: BM/COE/XRD/3RRR (TEQIP-II/KA/K2G04/220)

With reference to the procurement of X-Ray Diffractometer (XRD) System/Equipment through National Competitive Bidding (NCB), the following is submitted for your kind perusal:

1) The process was initiated under the PMSS Package: BM/COE/XRD/5/TEQIP-II/KA/K2G04/179) by floating a National Competitive Bidding (NCB) on 10.10.13. Two bidders namely Mr. IR Technology Services Pvt Ltd and Mr. Spectris Technologies Pvt Ltd participated in the bidding. The bids were opened as per schedule on 12.11.13 and it was noted that Mr. IR Technology Services Pvt Ltd had quoted for Rigaku Model Ultima IV at a price of Rs. 91,05,200/- (read out price) and Mr. Spectris Technologies Pvt Ltd had quoted for PANalytical Model X-pert at a price of Rs.1,00,88,710/- Both the bids were rejected as the quoted price were substantially higher than the estimated cost of Rs.70,00,000/-. The Procurement Committee considered the options of Limited International Bidding and International Competitive Bidding for obtaining better competitive bids and requested for guidance of SPFU and NPIU on 28.02.14. The NPIU through a mail dated 03.03.14 suggested the college to complete the procurement only through NCB. The college preferred to complete the process of procurement of other equipment on priority basis and the procurement of XRD was deferred.

2) The procurement of X-Ray Diffractometer (XRD) System/Equipment was reconsidered during February 2015 after placing orders for all other equipment under COE. As per the approval of NPIU through PMSS on 23.02.15 the process of re-bidding through National Competitive Bidding (NCB) was initiated on 10.03.15.

P.T.O.

116
The procurement process of PMSS Package BM/C/G/E/10598RR (TPQIP-II/KA/KA2G04/220) through NCB resulted in two bids one from M/S IR Technology Services Pvt Ltd and the other from M/S Spectris Technologies Pvt Ltd. The bids were opened as per schedule on 05.04.15 and the procurement committee noted that M/S IR Technology Services Pvt Ltd has quoted for Rigaku Model Ultima IV at a price of Rs.68,24,500/- (read out Price) with concessional Customs duty of 2.50% and M/S Spectris Technologies Pvt Ltd has quoted for PANalytical Model X'pert at price of Rs.58,12,119/- (read out price) with concessional customs duty of 9.36%. The readout price includes optional items.

The final bid evaluation meeting of the Procurement Committee held on 25.04.15 concluded with the following recommendations:

(a) The bid submitted by M/S IR Technology Services Pvt Ltd is commercially non-responsive as it is not in compliance with payment terms and maintenance requirement stipulated in the bid document. The bid is also technically non-responsive as specification quoted was not in compliance on three parameters namely (a) facility to rotate the tube without disconnecting utilities (b) angular positioning and (c) maximum angular speed of 20 degrees as detailed in the bid evaluation report.

(b) The bid submitted by M/S Spectris Technologies Pvt Ltd is commercially and technically responsive. The Procurement committee recommended to procure the equipment with ICND data base and not to consider ICDD PDF 2 (optional data base) for procurement. Also the Procurement committee recommends considering the revised concessional customs duty of 5.1% as confirmed by the bidder to arrive at the evaluated price. M/S Spectris Technologies Pvt Ltd are qualified for award of the contract at the total price of Rs.79,79,424/- (Rupees Seventy nine thousand four hundred and twenty four only) as per the terms and conditions of the bid document.

Considering the above, we solicit your kind advice on going ahead and placing the Purchase Order with the lone eligible bidder M/S Spectris Technologies Pvt Ltd.

Thanking you,

Yours faithfully,

[Signature]

[Note: Copies of Bid Opening Form, Bid Evaluation Form and Bid Evaluation Meeting Minutes.
Copy to: The State Project Coordinator, SPPU-TPQIP, Bangalore]
From: Rajiv Mishra <rajiv.mishra.teqip@gmail.com>
Date: Fri, Jun 5, 2015 at 10:37 AM
Subject: fwd: Procurement of XRD System/Equipment
To: hutaiahrr@yahoo.co.in; hutaiahrr@yahoo.com; spfukarnataka@gmail.com;
mgm_204@yahoo.co.in
Cc: dkmishra@gmail.com; principal@bmsce.ac.in; viceprincipal@bmsce.ac.in;
raw@bmsce@yahoo.com; raw.mishra@bmsce.ac.in

------- Forwarded message -------

Date: Thu, Jun 4, 2015 at 5:54 PM
Subject: Procurement of XRD System/Equipment
To: mgm_204@yahoo.co.in; principal@bmsce.ac.in; viceprincipal@bmsce.ac.in; raw@bmsce.
yahoo.com; raw.mishra@bmsce.ac.in
Cc: hutaiahrr@yahoo.co.in; hutaiahrr@yahoo.com; spfukarnataka@gmail.com; mgm_204@yahoo.co.in; tripli.kurtha@bmsce.ac.in; mgm_204@yahoo.com

----- Original Message ----- 

To: SPFU Karnataka

Cc: BMS College of Engineering, Bangalore


From: MGMR

Date: Thu, Jun 4, 2015 5:54 PM

Subject: Procurement of XRD System/Equipment

Dear Sir,

We hereby strongly suggest the Procurement of a Rigaku XRD Model Ultima IV.

Rigaku XRD Model Ultima IV has been the best in class

M/s Rigaku India Pvt. Ltd.

Mr. Ritesh Srivastava

The company has been recommended by the predecessor institution.

The equipment can be procured through the established framework.

The company is a proven partner and has been recommended by the previous institution.

We request you to consider the above in the context of the requirement of the institution.

Yours faithfully,

Rajiv Mishra

Consultant (Procurement)

National Project Implementation Unit (NPIU) - 1

15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

Phone: 080-26542050

With regards,

Rajiv Mishra

Consultant (Procurement)

National Project Implementation Unit (NPIU) - 1

15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

Phone: 080-26542050

With regards,

Rajiv Mishra

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15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

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Phone: 080-26542050

With regards,

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15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

Phone: 080-26542050

With regards,

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15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

Phone: 080-26542050

With regards,

Rajiv Mishra

Consultant (Procurement)

National Project Implementation Unit (NPIU) - 1

15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

Phone: 080-26542050

With regards,

Rajiv Mishra

Consultant (Procurement)

National Project Implementation Unit (NPIU) - 1

15th Floor, 18th Block, Jayanagar 9th Stage, Bangalore - 560011.

Phone: 080-26542050

With regards,
To,
The Principal,
BMS College of Engineering,
Bangalore-19.

Sir,

Sub: Procurement of XRD System/Equipment.
Ref: Email from NPIU dated: 04th June 2015.

***

With reference to above, NPIU has advised SPFU to verify the procurement procedure carried out by the institution in the procurement of XRD System/Equipment through PMSS.

In this context, SPFU team comprising of Sri. Manohar G Nayak, State Project Coordinator, Sri. M. Raygunath, Project Officer (Procurement) and Sri. H. C. Veeranna, Registrar will be visiting your institution on 08th June 2015 at 11:00 AM to verify original documents related to the above procurement.

This is for your kind information and needed action.

Thanking you,

Yours Faithfully,

State Project Co-ordinator

SPFU-Karnataka.
Procurement manager - <procurementmanager@bmsce.ac.in>

Fwd: Verification of original Files and Documents related Procurement of XRD System/Equipment (CoE) of B.M.S College of Engineering, Bangalore.

Thu, Jun 18, 2015 at 10:57 AM

Dharmaprabhak M.S <msdharmaprabhak@gmail.com>
To: Procurement manager - <procurementmanager@bmsce.ac.in>

Dear balaji,

FVA

From: spfl karnatka <spflkarnataka@gmail.com>
Date: Tue, Jun 16, 2015 at 3:01 PM
Subject: Verification of original Files and Documents related Procurement of XRD System/Equipment (CoE) of B.M.S College of Engineering, Bangalore.

To: rajiv mishra.tejp@gmail.com, Rupali Jha <rupali.jha.tejp@gmail.com>, "npiaud@hotmail.com" <npiaud@hotmail.com>
Cc: Mallikarjunra Babu Kayata <gik.mpa@gmail.com>, drkinebabu@bmsce.ac.in, BMS Bangalore <viceprincipal@bmsce.ac.in>, BMS Bangalore <raov.eth@bmsce.ac.in>, Ravikumar L <avibmsce@yahoo.com>, "Dharmaprabhak M.S." <msdharmaprabhak@gmail.com>, msd.chenh@bmsce.ac.in, Tawar <hutalawer@yahoo.co.in>, mausohar.nayak <mgn_204@yahoo.co.in>, "naghu.sipu" <naghu.sipu@hotmail.com>, Veeranna HC <veerannahc@gmail.com>

Sir,

Sub: Verification of original Files and Documents related Procurement of XRD System/Equipment (CoE) of B.M.S College of Engineering, Bangalore.

Ref: 1. Email from Sri. Rajiv Mishra, Consultant (Procurement), NPIU, Dated: 5th June 2015.


***

With reference to above, Sri. M. Raghurath, Project Officer (Procurement) and H.C. Veeranna, Registrar visited BMS College of Engineering, Bangalore on 8th June 2015 to verify the original documents related to the procurement of XRD System/Equipment (CoE).

Based on the records produced by the institution the following observations have been made.

1. The proposed equipment has been included in the Institutional Development Plan (IDP) at an estimated cost of 35 lakhs.

120
2. But when the package was initiated for procurement at an estimated cost of 70.06 lakhs with the intention of procuring higher model in lieu of desktop model proposed in the IDP, During the interaction with prof. M. Ramachandra, coordinator for CoE, he informed that the estimated cost was arrived at based on oral communication with OEMs/Vendors without any documentary proof.

3. When the NCB was floated through PMSS vide PMSS package no: TEQIP-II/KA/KA2G04/170 through advertisement in newspapers, only two bids were received i.e. one from M/s IR Technologies Services Pvt Ltd., Bangalore at quoted price of Rs. 92,85,200/- (Ninety two lakhs eighty five thousand two hundred only) and M/s Spectris Technologies Pvt. Ltd, Chennai at quoted price of Rs. 1,00,88,710/- (One crore Eighty Eight Thousand Seven Hundred and ten only).

4. Through quotations were opened, the data has not been entered into PMSS. The procurement itself has been cancelled without doing comparative technical evaluation of bid on 10th Feb 2014 stating reason that quoted amount was more than 150%.

5. Cancellation of above package has been brought to the notice of BOG subcommittee on 18/02/2014 and post-facto approval has been taken for reinitiating the same package under JCB. Later, it was reinitiated on 03/07/2014 as new package vide PMSS package no: TEQIP-II/KA/KA2G04/220 on 12th March 2015 at a reduced estimated cost of Rs. 70,00,000/- The cancellation of package under JCB and initiation under NCB has been approved in the 11th BOG subcommittee meeting held on 10/09/2014.

6. As per NIPU Procurement Manual, cancellation of NCBS could be done only after getting NOC from World Bank. Later, it was decentralized to respective BOGs of the project institutions.

7. The current package no: TEQIP-II/KA/KA2G04/220 is in the bid evaluation stage as per PMSS. But, the comparative Technical Compliance Statement and bid evaluation report are yet upload into PMSS.

8. The specification intended in the IDP have been enhanced to higher specifications boosting the cost up by 100% i.e. Rs. 35 Lakhs to 70 Lakhs.

9. After going through the documents produced by the institution, the current package no: TEQIP-II/KA/KA2G04/220 seems to be initiated through PMSS following the World Bank procurement procedures.

10. M/s. IR Technologies Services Pvt. Ltd, Bangalore has quoted price of Rs. 63,64,250/- (Sixty Three Lakhs Sixty Four Thousand Two hundred and Fifty Only) and M/s. Spectro Technologies Pvt. Ltd, Chennai has quoted price of Rs. 70,79,424/- (Seventy Lakhs Seventy Nine Thousand Four Hundred and Twenty Four Only).
11. M/s IR Technologies Services Pvt. Ltd, Bangalore had quoted with shipment within India including VAT, but in the second call he has quoted for high sea sale with applicable extra customs duty and the difference is about Rs. 29,20,950/-.

12. M/s. Spectris Technologies Pvt. Ltd, Chennai has quoted for both calls high sea sale with extra customs duty. The difference in quoted price from first to second call is Rs. 30,09,286/-.

13. Both the vendors have surprisingly quoted less at par

14. The procurement nodal Officer, BMSCE intimated that the probable drop in prices is due drop in EURO exchange rate.

Conclusion:

After going through the documents produced by the institution, it is obvious that the procurement initiated first time in November 2013 is not yet completed till date with two procurement call being cancelled and the 9th in progress; and almost one and a half year valuable time has been lost. It is obvious that market survey and finalization of specifications were not properly leading to undue delay in procurement.

Further, delay in procurement of the proposed equipment is likely to affect the final outcomes expected from its CoE. Therefore, the institution is advised to go ahead with the procurement provided that the coordinator of CoE submits through the principal the detailed justification in terms of advantages and outcomes likely to achieved at the end of the project with enhanced specifications costing approximately Seventy Lakhs compared to the originally proposed lower specifications costing about Thirty Five Lakhs.

With regards,

Manohar G Nayak
Officer on Special Duty,
State Project Coordinator,
SPPU Karnataka,
Technical Education Quality Improvement Programme (TEQIP).
Directorate of Technical Education,
Bangalore 560 001

[Signature]

Dr. M. S. Dharmpriyaksha Ph.D (IISc)
Professor,
Department of Chemistry
BMS College of Engineering,
Bangalore-560 011
080 9731265431
Justification in terms of advantages and outcomes with respect to enhanced technical specifications of XRD:

The earlier proposed XRD model in Institutional Development Plan (IDP) of CDE in advanced materials research was at an estimated cost of 35 lakhs which was a Bench top model. This bench top model is useful for the analysis of metal alloys and no scope for upgradation. In advanced materials research center apart from alloys other materials like oxide, thin films and nano size materials are also being studied which demands for an XRD machine with a floor mounted high resolution XRD. Hence with the advice of the other principal investigators involved in CDE and other faculty members carrying out similar kind of research work in the college, it was decided to seek permission to procure XRD with the said specifications.

The bench top model has limited applications and nil upgradation scope compared to high resolution XRD. The following table will demonstrate the difference between Bench top model and High resolution XRD.

<table>
<thead>
<tr>
<th></th>
<th>Floor mounted High resolution XRD</th>
<th>Bench top model XRD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. X-ray tube</td>
<td>2200 W Long Fine Focus X-ray tube helps in getting four to eight times higher intensity of X-ray source with compared to bench top systems. This helps in achieving higher sensitivity, better limit of detection and there is no possibility of missing even smaller peaks.</td>
<td>300/600 W X-ray tube gives four to eight times lesser intensity, hence poor sensitivity, poor limit of detection. There is always possibility of losing some significant peaks.</td>
</tr>
<tr>
<td>2. High resolution X-ray tube</td>
<td>Available and helps in achieving consistent and true peak position without any shift due to ageing and thermal expansion.</td>
<td>NOT available hence by aging of X-ray tube and due to thermal expansion of anode materials it gives peak shifting which widens the data quality.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>3. Goniometer Radius</td>
<td>240 mm and more which helps in achieving adequate intensity and resolution.</td>
<td>150 mm – smaller radius leads to poor resolution.</td>
</tr>
<tr>
<td>4. Scanning angular range</td>
<td>-100 to 220 degree is essential for different types of samples. It gives flexibility of movement of Goniometer in larger angular range.</td>
<td>-3 to 145 degree limited angular range &amp; flexibility of analysis. Suitable only of Phase ID application.</td>
</tr>
<tr>
<td>5. Exchangeable Soller Slits</td>
<td>Complete range of (0.01, 0.02, 0.04, 0.08 Radians) and exchangeable which is essential for achieving symmetrical peaks and accurate quantitative results.</td>
<td>Fixed type NOT exchangeable hence poor data quality.</td>
</tr>
<tr>
<td>6. Smallest Step Size</td>
<td>0.001 degree/step five times better with compared to bench top systems which helps in achieving better angular resolution. Best Resolution of LaB6 SRM achieved with a step size of 0.003 deg / Step.</td>
<td>0.005 degree leads to poor resolution.</td>
</tr>
<tr>
<td>7. Five Finger diffraction pattern on Quartz sample</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /> All five peaks are NOT visible due to lower Goniometer Diameter &amp; resolution.</td>
</tr>
<tr>
<td>8. Angular accuracy</td>
<td>+/- 0.0025 degree is essential for good quality data.</td>
<td>+/- 0.02 degree leads to poor data quality.</td>
</tr>
<tr>
<td>9. Goniometer linearity</td>
<td>+/- 0.01 degree throughout the Goniometer range by using LaB6 NIST SRM</td>
<td>Very poor linearity leads to inconsistent result.</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Details</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>10</td>
<td>Cooling system</td>
<td>Water chiller – the most efficient cooling system for stability and reproducible data quality.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Heat Exchanger – NOT efficient leads to instability and poor life of X-ray tube and poor data quality.</td>
</tr>
<tr>
<td>11</td>
<td>Radiation Safety</td>
<td>≤ 1 micro Sv/hr is the maximum permissible radiation level as per a international radiation safety norm which is considered safe even for pregnant women.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT Radiation Safe – causes harm to analyst/user.</td>
</tr>
<tr>
<td>12</td>
<td>Powder sample analysis</td>
<td>All types of possibilities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Possible with limitation.</td>
</tr>
<tr>
<td>13</td>
<td>Phase identification (Search match with database – COD, ICSD, ICDD)</td>
<td>Since all data published in international database have been achieved by using floor mounted full-fledged XRD hence it is the most suitable choice for accurate phase identification by search match with reference database.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT accurate since diffractogram produced on bench top systems lack some minor peaks hence it does not give true search match.</td>
</tr>
<tr>
<td>14</td>
<td>Phase Quantification</td>
<td>Accurate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT accurate since by using bench top systems there is always possibility of losing some significant peak which finally leads into inaccurate quantitative result.</td>
</tr>
<tr>
<td>15</td>
<td>Data Quality for Research Paper Publication</td>
<td>Till now all papers related to IRD have been published by using floor mounted XRD hence these are considered to be more authentic.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Poor quality of data may be misleading and can be declared un authentic.</td>
</tr>
<tr>
<td>16</td>
<td>Optical sensors for angular accuracy</td>
<td>DOPS (Direct Optical Position Sensing) optical sensors positioned on Goniometer shaft which guarantees lifetime angular accuracy.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT available</td>
</tr>
<tr>
<td></td>
<td><strong>Up gradation possibilities</strong></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Thin film analysis by GIXRD (Grazing Incidence XRD)</td>
<td>Possible for identification of phases present in thin film (polycrystalline, amorphous and epitaxial thin films).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT Possible</td>
</tr>
<tr>
<td>18</td>
<td>Reflectivity analysis</td>
<td>For determination of layer thickness, roughness of thin film sample</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT Possible</td>
</tr>
<tr>
<td>19</td>
<td>Analysis in Transmission Geometry</td>
<td>Is significant for samples having preferred orientation (needle and tiles shaped samples) It also helps in achieving higher intensity, sensitivity and better resolution.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT Possible</td>
</tr>
<tr>
<td>20</td>
<td>Capillary sample analysis</td>
<td>Required for liquid/suspension/colloidal/sensitive samples.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT possible</td>
</tr>
<tr>
<td>21</td>
<td>SAXS (Small Angle X-ray Scattering)</td>
<td>Useful for study of nano materials which is nowadays most common area of interest in academic institutes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOT Possible</td>
</tr>
<tr>
<td>No.</td>
<td>Non-ambient Analysis</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>22</td>
<td>Analysis of sample (Powder/gel etc.) at different temperatures (780 to 2300 deg C) and humidity 2-95% (wet)</td>
<td>NOT Possible</td>
</tr>
<tr>
<td>23</td>
<td>Residual Stress Analysis</td>
<td>Possible</td>
</tr>
<tr>
<td>24</td>
<td>Liquid/Gel/Suspension/Colloidal Samples</td>
<td>Possible</td>
</tr>
<tr>
<td>25</td>
<td>High Resolution related work (Epitaxial thin film solar panels)</td>
<td>Possible</td>
</tr>
<tr>
<td>26</td>
<td>Micro diffraction</td>
<td>Possible which is essential for small spot analysis</td>
</tr>
<tr>
<td>27</td>
<td>In situ stress flow analysis</td>
<td>Possible which is useful for online monitoring of polymorph growth</td>
</tr>
<tr>
<td>28</td>
<td>Cluster Analysis</td>
<td>Possible</td>
</tr>
</tbody>
</table>

With above comparison it is very much clear that it would be a wise decision to buy a full fledged floor mounted XRD with basic capability of powder sample analysis which will help in getting well proven and internationally acceptable research grade data quality with the best possible sensitivity, resolution, intensity and excellent limit of detection. It is completely radiation safe and fully flexible system with future upgrade possibilities as mentioned above. Benchtop model becomes bottleneck since it can't be upgraded for any further improvement or for new applications.

The technical specifications arrived at for high resolution XRD is for the most flexible system and for multipurpose applications like Micro-crystalline diffraction, thin-film diffraction, small angle scattering, and in-plane scattering, Nano materials diffraction etc.

Considering the availability of limited funds under the procurement head of COE, the BOG of BMU/CE has agreed to provide additional financial assistance of 45 lakhs to procure items shown in Annexure I. A copy of the proceedings according permission to initiate procurement of XRD and approval of additional financial assistance to COE are shown in Annexures I and II. High resolution XRD will be utilized by all the faculty of different departments who are working in the research area of Materials.

DR. M. RAMACHANDRA
CO-ORDINATOR
CENTRE OF EXCELLENCE IN ADVANCED MATERIALS RESEARCH
Fwd: Verification of Original files and Documents related to Procurement of XRD System/Equipment (CoE) of BMS College of Engineering, Bangalore

----- Forwarded message ----- 
From: spfu.karnataka <spfu.karnataka@gmail.com>
Date: Sat, Jun 20, 2015 at 3:17 PM
Subject: Verification of Original files and Documents related to Procurement of XRD System/Equipment (CoE) of BMS College of Engineering, Bangalore
To: rajiv.mishra.teqp@gmail.com, Rupali Jha <rupali.jha.teqp@gmail.com>, npiusq@yahoo.co.in
Cc: BMS Bangalore <viceprincipal@bmsce.ac.in>

Sir,

Sub: Verification of Original files and Documents related to Procurement of XRD System/Equipment (CoE) of BMS College of Engineering, Bangalore.

Ref: Email from Sri. Rajiv Mishra, Consultant (Procurement), NPIU, Dated 05.June.2015

***

In response to the observations made by SPFU after the verification of original documents related to the procurement of XRD system/Equipment (CoE) by BMS College of Engineering, Bangalore, the institution has given a justification which is herewith forwarded to you for your kind information. Your advise is sought for proceeding further with the Procurement of XRD system (Package no: TEQIP-II/KA/KAZG04/220) by the Institution.

Thank you

Manohar G Nayak
Officer on Special Duty,
State Project Coordinator,
SPFU Karnataka,
Technical Education Quality Improvement Programme (TEQIP),
(4th World Bank Assisted Project)
Directorate of Technical Education,
Bangalore 560 001

128
With thanks & regards,

Balaji. R
Procurement Manager - TEQIP II
BMS COLLEGE OF ENGINEERING
[TEQIP-II Office, 6th Floor, B S Narayan Block]
Bull Temple Road, Bangalore 560019
Direct Office: 080 26670909 Office Ph 080 26611636,26614359 Extn 116.
Fax:080 26612564 Mobile: 08951249205
Email: procurementmanager@bmsce.ac.in

Please don't print this e-mail unless you really need to. "SAVE TREE!"
Fwd: Verification of original Files and Documents related Procurement of XRD System/Equipment (CoE) of B.M.S College of Engineering, Bangalore.

Procurementmanager - <procurementmanager@bmsce.ac.in>       Tue, Jun 30, 2015 at 2:18 PM
Draft

-- Forwarded message --
From: spfu kamataka <spfukamataka@gmail.com>
Date: Fri, Jun 26, 2015 at 12:26 PM
Subject: Verification of original Files and Documents related Procurement of XRD System/Equipment (CoE) of B.M.S College of Engineering, Bangalore.
To: rajiv.mishra.teqip@gmail.com, Rupali Jha <rupali.jha.teqip@gmail.com>, "npiuwb@hotmail.com" <npiuwb@hotmail.com>
Cc: BMS Bangalore <viceprincipal@bmsce.ac.in>, Mallikharjuna Babu Kayala <drkmbabu@gmail.com>, "Dharmaparakash M.S" <msdharmaparakash@gmail.com>, msd.chem@bmsce.ac.in, Talwar <hufalawar@yahoo.co.in>, manohar g nayak <mgn_204@yahoo.co.in>, "raghu.spfu" <raghu.spfu@hotmail.com>, Veeranna HC <veerannahc@gmail.com>, Ravikumar L <ravibmsce@yahoo.com>

Sir,

Sub: Verification of original Files and Documents related Procurement of XRD System/Equipment (CoE) of B.M.S College of Engineering, Bangalore.

Ref: 1. Email from Sri. Rajiv Mishra, Consultant (Procurement), NPIU, Dated: 5th June 2015.

***

With reference to above, you are requested to permit the Institution to issue the Purchase Order to L1 for procurement of XRD system/ Equipment (CoE) vide PMSS package no: TEQIP-II/KA/KA2G04/220 at the earliest to avoid further delay in procurement of the same.

With regards,

Manohar G Nayak
Officer on Special Duty,
State Project Coordinator,
SPFU Karnataka,

Technical Education Quality Improvement Programme (TEQIP),

(9 World Bank Assisted Project)
Verification of original files and Documents related to Procurement of XRD System/Equipment (CoE) of BMS College of Engineering, Bangalore

From: Rajiv Mishra <rajiv.mishra.teqip@gmail.com>
Date: Sat, Jun 27, 2015 at 12:05 PM
Subject: Verification of original files and Documents related to Procurement of XRD System/Equipment (CoE) of BMS College of Engineering, Bangalore

To: viceprincipal@bmsce.ac.in, drkmkbu@gmail.com, msdhemaprapakash@gmail.com, msd.chem@bmsce.ac.in, hulatlawar@yahoo.com, mgn_204@yahoo.co.in, weeramahc@gmail.com, Ravikumar L <rav@bmsce@yahoo.com>, ravi_mech@bmsce.ac.in
Cc: spukamatakakha@gmail.com, spukamatakakha@gmail.com, rgh transformative@gmail.com, raghu.spfu@hotmail.com, Rupali Jha <rupali.jha.teqip@gmail.com>

To: BMS College of Engineering, Bangalore

C/c: SPFU Karnataka

Sub: Verification of original files and Documents related to Procurement of XRD System/Equipment (CoE) of BMS College of Engineering, Bangalore

Ref: Your email dated 18th & 20th June, 2015

Sr,

After going through the observation made by SPFU Karnataka vide mail dated 16th June 2015, it reflects that procurement of above items by BMSCE College is delayed due to non-completion of market survey and finalization of specifications in time.

However, on the basis of conclusion report submitted by SPFU Karnataka, NPIU is in conformity with the decision of SPFU Karnataka that institution may be advised to go ahead with the procurement provided that the entire procurement proceedings should have proper BOG approval within the guidelines of World Bank procurement manual through PMSS. Further, institution is also suggested to adhere the instruction (Conclusion, Report) given by SPFU Karnataka vide its e-mail dated 16th June 2015.

The institution is also informed/ instructed to maintain all the relevant procurement documents pertaining to above procurement at the time of post review.

With regards,

Yours Faithfully,

(Rajiv Kumar Mishra)
PROCUREMENT MANUAL

GOVERNMENT OF INDIA
DEPARTMENT OF HIGHER EDUCATION
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
NEW DELHI

Contents of this document are subject to change.
### Important Aspects of NCB/ICB

<table>
<thead>
<tr>
<th>Important Aspects</th>
<th>Brief Description</th>
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| **Standards & Technical Specifications** | 1. The bid documents shall include generally accepted standards of technical specifications.  
2. Unbiased technical specification shall be prepared with no mention of brand names and catalogue numbers by a committee of experts associating the trade representative, if required.  
3. The functional performance, design, quality, packaging and additional requirements should be clearly spelt out in the specifications.  
4. The specifications should be generic and should not appear to favour a particular brand or supplier.  
5. Preparation of technical specifications, bill of quantities and civil drawings must be completed before tendering. Specifications for the item to be procured should be drawn up in every case with clarity.  
6. No deviations from the specifications after opening of tender should be allowed. |

| Advertisement | 1. Invitation shall be published in at least one national English daily and one regional language daily for ICB.  
2. In case of ICB's also publish in the "United Nation's Development Business (UNDB)" and de/Market online and forward to embassies and trade representatives of countries of likely suppliers of goods and also who have expressed interest in response to the General Procurement Notice (GPN).  
3. The advertisement should also be placed at the project website. |

| Time for Submission of Bids | 1. Not less than 4 weeks for NCB.  
2. Not less than 6 to 8 weeks for ICB. |

| Earnest Money Bid Security | 1. Earnest Money (bid security) to be deposited by the bidders shall be a specified amount for each packing/schedule/item as indicated in the bid document.  
2. It shall normally be 2-5% of the estimated cost of the goods or 1% of the estimated cost of work rounded off to the nearest figure in rupees.  
3. The earnest money shall be in the form of a demand draft/banker's cheque/bank guarantee from a scheduled bank preferably having a branch at the place where tenders are to be submitted, which should be valid up to 45 days beyond the validity period of the tender.  
4. Fixed Deposit Receipts endorsed in favour of purchaser shall also be acceptable.  
5. The earnest money of unsuccessful bidders shall be refunded soon after the final acceptance of tenders.  
6. The earnest money shall be forfeited in the event of withdrawal of |
the tender within the original validity once submitted or in case a successful bidder falls to provide the performance security and fails to execute necessary agreement within the period specified or for submitting false, incorrect or misleading information.

<table>
<thead>
<tr>
<th>Performance Security Deposit</th>
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<tbody>
<tr>
<td>1. Tender documents for works and goods shall require performance security in an amount sufficient to protect the implementing agency in case of breach of contract by the contractor/supplier.</td>
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<td>2. This shall be in the form of a bank guarantee or any other specified instrument and amount should be specified in the tender document.</td>
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<td>3. The amount of performance security shall normally be 5% for goods/works, of contract price (valid till 28 days after the date of expiry of defect liability period or the guarantee/ warranty period as the case may be).</td>
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<td>4. The performance security deposit shall be refunded within one month of the completion of supply of goods/works or after the expiry of defects liability/ guarantee/ warranty period (as mentioned above).</td>
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<tr>
<td>5. The performance security deposit may be forfeited in case any terms and conditions of the contract are infringed or the bidder fails to make complete supply satisfactorily or complete the work within the delivery/completion period agreed in the contract without prejudice to the purchaser’s right to take further remedial actions in terms of the contract and bidding documents which formed part of the contract.</td>
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<tr>
<th>Retention Money</th>
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<tr>
<td>1. In contracts for works, normally 5% of contract price shall be recovered as retention money.</td>
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<tr>
<td>2. Fifty percent (50%) of such retention money shall be repaid to the Contractor on completion of the whole of the works and balance fifty percent (50%) shall be repaid after the expiry of the defects liability period on certification by the Engineer that all defects notified to the contractor before the end of the period have been corrected.</td>
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<tr>
<th>Pre-bid Conference</th>
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<tr>
<td>1. A pre-bid conference (date/venue to be indicated in the IFB published in newspapers and bid document) may be arranged wherein potential bidders may meet with the representatives of the implementing authority to seek clarifications on the tender documents.</td>
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<tr>
<td>2. Copy of minutes of the pre-bid conference should be furnished to the bidders who had already purchased the bid documents and also supplied along with the bid document sold to the parties purchasing the document subsequent to the pre-bid conference.</td>
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<tr>
<th>Examination of Tenders</th>
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<tr>
<td>1. The Procurement Authorities entrusted with evaluation of tenders shall ascertain whether the tenders:</td>
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<tr>
<td>* Meet the eligibility requirements specified;</td>
</tr>
</tbody>
</table>
- Have been properly signed;
- Are accompanied by the required earnest money and valid for the period specified in the tender document;
- Have quoted for the entire schedule/packing and are in the required currency as indicated in the bid documents;
- Have proper Manufacturer's Authorisation letter
- Are substantially responsive (commercially and technically) to the tender documents; and
- Have the technical and financial capability as per specified tender evaluation criteria to successfully execute the contract.
For ensuring financial capacity a minimum turnover requirement should be indicated in bid document.
- Are otherwise generally in order.

2. If the bidder meets the above stipulations indicated in the bid documents, it is determined as substantially responsive and is considered further for evaluation.

3. Historical data in relation to the tender like annual reports, turn over details, etc., if not received along with the bidder, can be requested from the bidder after opening of bids and should be submitted within a reasonable time span (say 7-10 working days).

<table>
<thead>
<tr>
<th>Post-Qualification of Bidders</th>
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</table>
| 1. In case the pre-qualification of the bidders has been carried out, and the tenders have been issued to the pre-qualified bidders, the tenders shall be recommended for award on the basis of being lowest substantially responsive bids.
| 2. If bidders have not been pre-qualified, the implementing agency shall determine whether the bidder whose bid has been determined to offer the lowest evaluated cost has the technical capability and financial resources to effectively carry out the contract as offered in the bid.
| 3. The criteria to be met shall be set out in the tender documents, and if the bidder does not meet them, the bid shall be rejected.
| 4. In such an event, the implementing agency shall make a similar determination for the next-lowest evaluated bidder and so on. |

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<thead>
<tr>
<th>Validity of Tender</th>
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| 1. Bidders shall be required to submit tender valid for the period specified in the tender documents.
| 2. Normally, in case of NCB/ICB, the bid validity period shall not exceed 90 days after the date of bid opening. |

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<tr>
<th>Validity Extension of Tenders</th>
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| 1. As far as possible contract should be finalized within the original validity of the offers mentioned in the tender document.
| 2. An extension of bid validity, if justified by exceptional circumstances with the approval of next higher authority, shall be requested in writing from all bidders (of valid tenders only) before the expiry date.
<p>| 3. Bidders shall have the right to refuse to grant such an extension without forfeiting their Earnest Money, but those who are willing |</p>
<table>
<thead>
<tr>
<th>Rejection of All Tenders</th>
<th>1. Tender documents usually provide that implementing agency may reject all tenders.</th>
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<td>2. Rejection of all tenders is justified when none of the tenders are substantially responsive. However, lack of competition shall not be determined solely on the basis of the number of bidders.</td>
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<td></td>
<td>3. If all tenders are rejected, the implementing agency shall review the causes justifying the rejection and consider making revisions to the conditions of contract, design and specifications, scope of the contract, or a combination of these, before inviting new tenders.</td>
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<tr>
<td></td>
<td>4. If the rejection of all tenders is due to lack of competition, wider advertising shall be considered. If the rejection is due to most or all of the tenders being non-responsive, new tenders may be invited.</td>
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<tr>
<td></td>
<td>5. Rejection of all tenders and re-inviting new tenders, irrespective of value shall be referred to the next higher authority for approval than the authority that approved the issue of tender or to the head of the unit. Before re-inviting tenders the specifications may be reviewed for revision, if any.</td>
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<td></td>
<td>6. Rejection of tenders (ICB/ NCB), Irrespective of the value, will require World Bank’s approval.</td>
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<tr>
<th>Modification in Orders (Goods/ Equipment)</th>
<th>1. Quantities in contracts awarded may be increased up to 15% of the quantity originally ordered by amending the order after recording reasons, provided that such orders shall be given before the date of the expiry of last supply and also subject to the condition that prices have since not reduced and purchases were required on urgency basis.</th>
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<td>2. If the threshold of 15% is exceeded, prior concurrence of the Bank shall be obtained.</td>
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<tr>
<th>Extension of Contract (Works)</th>
<th>1. Contracts under NCB method may be increased/ decreased up to 15% of the quantity originally ordered by amending the order/ contract after recording reasons, provided that such orders shall be given before the date of contractual completion and also subjected that works were required on urgent basis.</th>
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<td></td>
<td>2. The variation in requirement shall be appropriately indicated in the bid document.</td>
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</table>
| **Rebidding** | 1. Rebidding shall not be carried out without the prior concurrence of the Bank.  
2. The system of rejecting the bids falling outside a pre-determined margin or bracket of prices shall not be used. |
| **Negotiation** | There should not be any negotiations either for price or terms and conditions of the tender submitted. |
| **Confidentiality** | After the public opening of tenders, information relating to the examination, clarification, and evaluation of tenders and recommendations concerning awards shall not be disclosed to bidders or other persons not officially concerned with this process until the successful bidder is notified of the award of the contract. |
| **Terms & Methods of Payment** | Payment terms for ICB and NCB are provided to the bidding documents and should be followed as it is. |
| **Liquidated Damages** | 1. Provisions for liquidated damages shall be included in the conditions of contract for the delay in the delivery of goods or completion of works.  
2. In the case of goods, the liquidated damages shall be calculated at the rate of 0.01% per day of delay to maximum of 10% of the contract value.  
3. In the case of works, the liquidated damages will be calculated at 0.01% of the contract price per day, subject to a ceiling of 10% of the contract price and shall be levied by way of pre-estimated damages and not by way of penalty. |
| **Fraud & Corruption** | The borrowers (including beneficiaries of Bank loans), as well as Bidders, Suppliers, Contractors, and Consultants under Bank-financed contracts shall observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the Bank:  
(a) defines, for the purposes of this provision, the terms set forth below as follows:  
(i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;  
(ii) "fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;  
(iii) "collusive practice" means a scheme or arrangement between two or more Bidders, who or without the knowledge of the borrower, designed to establish bid prices at artificial, non-competitive levels; and  
(iv) "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence |
<table>
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<tr>
<th>Review by the World Bank</th>
<th>1. It is the Bank’s policy that Borrower’s, as well as bidders, suppliers, and contractors under Bank financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Bank will have the right that a provision be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers, and contractors to permit the Bank to inspect their participation in the procurement process or affect the execution of a contract;</th>
</tr>
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<tr>
<td>(v) “Obstructive practice” is:</td>
<td>- deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; and</td>
</tr>
<tr>
<td>(b) will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;</td>
<td></td>
</tr>
<tr>
<td>(c) will cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to the Bank to remedy the situation;</td>
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<tr>
<td>(d) will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a Bank-financed contract if it at any time determines that they have, directly or through an agent, engaged, in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Bank-financed contract; and</td>
<td></td>
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<tr>
<td>(e) will have the right to require that a provision be included in bidding Documents and in contracts financed by a Bank loan, requiring Bidders, Suppliers, Contractors and Consultants to permit the Bank to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.</td>
<td></td>
</tr>
</tbody>
</table>
their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.

2. Contracts which are (i) not subject to prior review by the Bank, and (ii) awarded following these guidelines will be post reviewed by the Bank.

3. World Bank will carry out post review either by themselves or by selected Consultant up to 10% of all contracts issued by the concerned Institute.

4. The Borrower shall retain all documentation with respect to each contract (excluding contracts subject to prior review by the Bank) during project implementation and up to two years after the closing date of the Loan Agreement. This documentation would include, but not be limited to, the signed original of the contract, the analysis of the respective proposals, and recommendations for award, for examination by the Bank or its Consultants. The Borrower shall also furnish such documentation to the Bank upon request.

5. If the Bank determines that the goods, work or services were not procured in accordance with the agreed procedures, as reflected in the Loan Agreement and further detailed in the Procurement Plan approved by the Bank or that the contract itself is not consistent with such procedures, it may declare mis-procurement as established in the Procurement Guidelines. The Bank shall promptly inform the Borrower the reasons for such determination.
BMS COLLEGE OF ENGINEERING, BANGALORE
Technical Education Quality Improvement Programme-II (TEQIP-II)

Inter office Memo

Date: 01 July 2015

Sri Madhusudan. J., Research assistant working in Center of Excellence in Advance Materials Research, under TEQIP-II has not reported to duty since from 10.06.2015. He has not contacted our office also not submitted any leave request. He has not responded to our telephonic calls as well. In this regard, an official memo has been served to him on 18-June-2015 seeking explanation for his unauthorised absence and giving him an opportunity to report duty. But he has neither reported to duty nor submitted any explanation till date.

When tried to contact him over phone he could not be reached but his father informed over phone that Sri Madhusudan.J. is not interested in research and may join some other kind of job.

As Sri. Madhusudan J. has not shown any interest in reporting to duty and his absence to the duties of COE is causing hindrance to the work at COE, his services may be terminated with immediate effect.

For kind orders,

TEQIP Coordinator

CoE Coordinator

Center of Excellence

TEQIP - II, BMSCE

\[Signature\]
MEMO

Sub: Un-authorised absence to duty.

Sri. Madhusudhan J., Research Assistant, working in Centre of Excellence under TEQIP-II is hereby informed that his unauthorized absence to duty in the college since 10.6.15 has caused hindrance to the work at the Centre of Excellence.

Sri. Madhusudhan J., is also hereby informed that he is given an opportunity to report to duty in the college on or before 25.6.2015 submitting an explanation for the said un-authorised absence; failing which his services in the college cannot be continued further.

VICE PRINCIPAL &
TEQIP CO-ORDINATOR-I

To:
1. Sri. Madhusudhan J., Research Assistant, TEQIP II-COE
2. Co-Ordinator—COE, TEQIP-II
3. TEQIP II Co-ordinator
4. Pay Rolls
5. Office Copy
Conference Report

Highlights

1) Closing Keynote by Harish Hande (SELCO): Harish gave some powerful and critical input at the end of the conference on the view of the BoP as a market of a size of 5trillion, but importantly with a non-expendable income. He inspired the audience to go beyond and away from looking at the 1.5b poor without electricity as a great market but to leave expectations behind and create hands-on business models. The keynote speech is uploaded in full length on energypedia, please find it here.

2) Keynotes, Sessions: introduction remarks by Leena Srivastava, her points being taken up by many during the break-out sessions – the question on why decentralized energy supply has such a primary focus on rural areas while being the most difficult and vulnerable areas to create a market in. She leaves the audience with the question on whether it would make more sense to conduct the de-risking in urban areas and then take that knowledge and experience into rural areas, and to leverage the potential for leapfrogging.

3) Virtual Sessions – It was the first time we offered virtual sessions and we had great feedback and interest in the sessions. Through them we are able to make the conference sessions truly accessible to everyone – the recordings of the sessions will be put on energypedia

4) Buddy Meetings – The student buddies were extremely dedicated and had great output of the conference – one even got offered a job by their buddy.

Participation
In total 121 people participated at the conference, with 21 student buddies and a great local team. Seven participants received a travel scholarship (two from ADA, two from the Smart Villages Initiative, three from the Hans-Böckler-Stiftung). From MES/MEI, eight people attended the conference (Liisa, Sebastian, Jonas, Hannes, Raluca, Daniel, Pavan, Hari).

Agenda
There were 36 paper presentations in 12 sessions and 5 posters in addition to the four business plans exhibited during the poster session. Further, there were 4 panel discussions. We organized a business plan competition with ADB-Energy for All (April 21-22) and a mini-grid workshop with TERI and UNEP (April 22) - a detailed synthesis of the workshop outcomes is being developed and then shared. Details of the agenda can be found here.

Conference Organizers
The BMS College
First of all: India! Fascinating, exciting, and most importantly: always full of surprises. Bangalore was once called the green city, especially the area where the BMS College is located, which is ‘the old Bangalore’, one can see a lot of old architecture, a lot of green in between temples and cows. Inspiration all around and definitely a great place to host a conference! And most importantly, it was important to us to host the conference in the Global South.

The MES2015 conference took place around the BMS Campus, a fairly small campus.
Venues:
1) BMS Main Auditorium
2) BSN Hall
3) Faculty Development Centre
For the conference, there was a canopy set up next to the main auditorium where all catering took place. For many, the Indian food was one of the highlights. Further, the conference guests were well equipped with conference material including a prominent MES2015 backpack.

Organization and logistics?
As Sebastian put it very fittingly: If something seems impossible, you should just ask how much impossible it is. This also fits to how the conference organization went: a good faith in the possibilities of things which sometimes leads to late implementation, but in the end, all is possible!
A group of 7 more people arrived between one week and a couple of hours before the conference, so there was enough manpower on the ground. This did not mean the inexistence of last-minute confusion, but without a bit of stress, it would not have been a proper conference!

What were the success factors?
• A great and dedicated team, both from BMS side (a conference team of 12 professors) as well as our locals from MEI’s side: Hari & Pavan
• Suresh (from picture below): “What I learnt throughout this whole process: When Liisa sends you an email, with no exception: you have to respond within the next 25 minutes”
• Responsibilities were clearly divided for almost all tasks and were seen through impeccably to be done
• The experiences from the last conference: The organizing team could build on the experience of the four previous MES conferences. Critical points were known and could be addressed on time; lists, templates, routines were in place and just needed to be adapted.
• The BMS is well equipped and has great infrastructure for such an organization. Also the conference was part of an international conference series at the BMS College, so there were a lot of previous processes in place to do certain things efficiently.
Outlook

Publications:
• A book of abstracts was compiled and printed for the conference, including forewords of the chair, the organizers, and all abstracts. This can be found here.
• The scientific proceedings of the conference with all full-length papers were published by the TU Verlag, with ISBN and DOI. This was done almost a week before the start of the conference, which is a great hymn to efficiency. The proceedings can be found here. The practitioner proceedings are under way.
• Documentation: With energypedia as a media partner, professional photo- and videographers from BMS, the whole conference was professionally and thoroughly documented. The energypedia documentation can be found here. This year we have exceptional video material documenting many of the presentations.

An exciting outlook is also the next conference: we are already in discussions to organize it in South Africa. We will keep you updated on progress in this regard. To subscribe to our mailing list, please send an e-mail to: conference-team@microenergy-systems.com

First Impressions
There is a lot of video material yet, which needs to be processed. As for pictures, there are many impressions on the website (www.microenergysystems.tu-berlin.de/conference) and the facebook page for the conference series (www.facebook.com/MESConferences).
Finally getting the Business Model somewhat right for the investors. GPE - TU Berlin, Winners of MES 2015 conferences, Clean Energy Business Plan competition (at BMS college, Bangalora, India) with team members Piang Natapark & Gaurav Patil. Jury members were Dr. Daniel Philip (MIEI Berlin), Mr. Coy Navarro (Asian Development Bank - Energy For All) & Dr. Berne Jones (Smart Villages).


Group of Student Buddies with their coordinators

Got some time in coffee break to get some snaps. Thank you Lisa mam and Mr. Jonas for this nice memory.

Thank you to all who supported – whether from Berlin, Berkeley, Bangalore, Dhaka...!

Let’s do it again!
5th IEEE International Advance Computing Conference

Hosted by BMS College of Engineering

The highly prestigious annual 5th edition of IEEE International Advance Computing Conference hosted by BMS College of Engineering on 12th & 13th June 2015 attracted more than 700 delegates from across the globe including eminent personalities from the world of computing and technology.

The conference was intended at expanding the knowledge horizons of the faculty and students in the field of advance computing and concentrated on the progress and recent innovations in the field of advance computing. The conference also witnessed an enthusiastic participation of industries in the farm of Exhibits & industry driven workshop. Extreme Networks, Ruckus Wireless, Vmware, Lenovo, Accenture, Binary Systems & Maheshwari Electronics were the main industry sponsors for the event.

The conference began with inaugural function, Dr. Radhika K. R, General Chair of the conference briefed about the conference and the details of the research papers submitted by researchers of India & abroad for IACC 2015 and the review process for selection of papers. Honorable Chief Guest Sri. M.N. Vidyashankar, President, India Electronics & Semiconductor Association, Additional Chief Secretary to GOK (Retd.) delivered presidential address. Dr. Ragini Narayan, Donor Trustee, BMSET released the hand book of the conference. Dr. K. Mallikarjuna Babu, Principal, BMSCE delivered the welcome speech. Dr.Gowrishankar, Steering Chair, IACC 2015 briefed about the various activities spread across two days of conference. Dr. G. N. Sekhar, Vice Principal, BMSCE proposed the vote thanks to the august gathering. Dr. D. N. Sujatha, Publication Chair, Dr. Indiramma.M, Technical Program Committee Chair & Dr. H. S. Guruprasad, Information Contact Chair were witness to this function.

Addressing the gathering on the inaugural function Sri. M.N. Vidyashankar, spoke, “At the outset, I appreciate BMS and IEEE for organizing IACC 2015 in Bangalore. BMS is indeed the right venue to organize this event considering it is the oldest private engineering college in the country.”

Emphasizing the importance of advance computing he added “Technology has solutions for every problem, be it national security, economic competitiveness, or academic competitiveness. The pressure to reduce cost is high on all organizations across all the countries. If we are to be competitive in academic or scientific advancement or economics, it is absolutely important to take advance computing as most essential-that’s what the future is all about. We should have more of these sort of conferences to provide and share knowledge and experiences with people amongst all walks of life.”
Inspiring talks by personalities like Dr. Roger Zimmermann evoked the participants to think about the present technology in a much more advanced way. His research on Image search simplifications for refined search included location, distance and direction which uses algorithms to refine users search query or key words to find what exactly we are looking for. Dr. Zimmermann also spoke about The GeoVid project that explores the concept of sensor-rich video tagging with a continuous stream of extended geographic properties that relate to the camera scenes. This meta-data is then utilized for storing, indexing and searching large collections of community-generated videos.

Another eminent speaker Dr. Raja Datta spoke on Wireless Sensor Networks (WSN)- these are the sensors that can detect the smallest of the particles such as dust for investigation and these sensors can also be used in air pollution monitoring, forecasting system, soil moisture monitoring, disaster relief monitoring and body area monitoring.

Dr. Vikas Mathur spoke on cloud computing and the factors that one must consider while opting for cloud computing data management. The RightCloudz evaluate and uses ranking methodology to provide the base for creating unbiased, customized evaluations of public cloud vendors based on the users' business and technical priorities.

Dr. Seeram Ramakrishna, Director, Center for Nanofibers and Nanotechnology and Vice-President (Research Strategy), National University of Singapore, spoke on entrepreneurship and innovation and gave a vision on changing the world in a sustainable way with the examples of many innovative technologies of recent times that have revolutionized the way of life. He also spoke about the outcome of his & his students’ pivotal research which led to the successful spinoff companies such as BioMers, Electrspunara & Electrospin Tech

Dr. Biplab Sikdar, Professor, Rensselaer Polytechnic Institute, Troy, New York, USA, spoke on how Internet of Things is slowly evolving and the applications of internet of things have become a part of everyday lives. The applications of internet of things vary from healthcare to automobile, from marine life monitoring to agriculture to name a few.

Dr. Y.V.S Lakshmi, Head -IPR and Marketing, Center for Development of Telematics & Chairperson, IEEE WiE, emphasized on the importance of patenting and its uses.

Dr. B.V.R. Chowdari, Executive Director, National University Singapore(NUS)- India Research Initiatives gave a talk on opportunity for Indian researches & students to conduct joint research with NUS. He also spoke about opportunities of globalization in the field of education.

Dr. Hari Krishna Garg, Singapore, Professor, Electrical and Computer Engineering Department, National University of Singapore, gave guidelines for enthusiastic entrepreneurs on the new trends and what are the key factors that make an entrepreneur successful.
The IEEE IACC - 2015 conference had a mix of invited expert talks, high-level panel discussions, poster session, and peer reviewed papers with a truly distinguished array of personalities from industry, academia and government from across the world. All these aligned with the theme that focused on cloud based innovations in Social Network Analysis, Artificial Intelligence and Image Processing, High Performance Computing, Advance Computer Networks and Advanced Algorithms.
B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

SIXTEENTH MEETING OF THE SUB-COMMITTEE OF BOG

MINUTES

DATE : 26.08.2015
VENUE: BOARD ROOM
## CONTENTS

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Particulars</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Minutes</td>
<td>1-4</td>
</tr>
<tr>
<td>2</td>
<td>Annexure-1</td>
<td>A 1-11</td>
</tr>
<tr>
<td>3</td>
<td>Annexure-2</td>
<td>A 12-25</td>
</tr>
</tbody>
</table>
MEMBERS PRESENT:
1. Prof. D. Thukaram, Chairman
2. Dr. K. Mallikharjuna Babu, Principal & Convenor

NODAL OFFICERS/CO-ORDINATORS PRESENT:
1. Dr. G.N. Sekhar, TEQIP Co-ordinator-I
2. Dr. L. Ravi Kumar, TEQIP Co-ordinator-II
3. Dr. M.S. Dharmaparakash, Nodal Officer – Procurement
4. H.S. Guruprasad, Nodal Officer – Academic Activities
5. Dr. K. Guruprasad, Nodal Officer – Equity Assurance Plan
6. Dr. C. Lakshminarayana - Nodal Officer – Equity Assurance Plan.
7. Dr. Suresh Ramaswamyreddy – Nodal Officer – Financial aspects
8. Dr. M.V. Murugendrappa, Principal Investigator, CoE

MEMBERS PRESENT ON INVITATION:
1. Dr. Ravishankar Deekshit – Dean [Academic] & HOD, EE
2. Dr. B.V. Ravishankar – Dean [I Year B.E]
3. Dr. Seshachalam – Professor & HOD, EC.
4. Dr. K.J. Rathanraj – Professor & HOD, IEM.
5. Dr. S. Mualidhara – Professor & HOD, CV.
6. Dr. S. Girish – Professor, CV.
7. Dr. Mayanaik – Professor, CV.
8. Dr. G. Giridhara – Professor, ME.

The Principal and the convenor extended a cordial welcome to the members for the meeting.

1. Minutes of the fifteenth meeting of the BOG sub-committee held on 11th July 2015:
The minutes of the fifteenth meeting of the BOG sub-committee held on 11.07.2015 were read and recorded [Annexure-1].

2. Presentations by Senior Professors of the college who were deputed for the Capacity Building programmes under TEQIP-II:
The Deans, HODs and senior professors who were deputed to attend the Management Capacity Building programmes organized by the NPIU at various IIIMs were present. The academic nodal officer Dr. H. S. Guruprasad informed the committee that he requested the professors to come prepared for making a presentation before the BOG subcommittee, with a maximum of three to four slides, highlighting their learning outcomes at the respective training programs, individual perception on the scenario in the BMSCE and the points on which they would like to work for improvement. The committee heard the presentations of
each and interacted with them for further clarity and refinement on their presentations. The following professors have made their presentations before the subcommittee and copy of their presentations are recorded at Annexure-2.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Ravishankar Deekshit</td>
<td>Dean [Aca] and Head, EE</td>
</tr>
<tr>
<td>2</td>
<td>Dr. B. V. Ravishankar</td>
<td>Dean [1 Yr. BE]</td>
</tr>
<tr>
<td>3</td>
<td>Dr. K. Guruprasad</td>
<td>Dean [Mechanical]</td>
</tr>
<tr>
<td>4</td>
<td>Dr. S. Maralidhara</td>
<td>Professor and Head, CV</td>
</tr>
<tr>
<td>5</td>
<td>Dr. L. Ravikumar</td>
<td>Professor and Head, ME</td>
</tr>
<tr>
<td>6</td>
<td>Dr. D. Sheshachalam</td>
<td>Professor and Head, EC</td>
</tr>
<tr>
<td>7</td>
<td>Dr. K. J. Rathanraj</td>
<td>Professor and Head, IM</td>
</tr>
<tr>
<td>8</td>
<td>Dr. M. S. Dharmaparakash</td>
<td>Professor and Head, Chemistry</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Suresh Ramaswwamyreddy</td>
<td>Professor, CV and Director, IQAC</td>
</tr>
<tr>
<td>10</td>
<td>Dr. S. Girish</td>
<td>Professor, CV</td>
</tr>
<tr>
<td>11</td>
<td>Dr. G. Giridhara</td>
<td>Professor, ME</td>
</tr>
<tr>
<td>12</td>
<td>Dr. C. Lakhminarayana</td>
<td>Professor, EE</td>
</tr>
<tr>
<td>13</td>
<td>Dr. Maya Naik</td>
<td>Professor, CV</td>
</tr>
</tbody>
</table>

The members unanimously pointed out that there is a need to implement an ERP solution by identifying a good software that helps the administration. Dr. Suresh Ramaswwamyreddy and Dr. M. S. Dharmaparakash volunteered to be members of the committee proposed to be constituted for identification and implementation of the ERP solution in the college.

3. **Status of Grants received and Expenditure incurred under TEQIP II as on 26.08.15.**

The committee noted that the college has received Rs. 1100 lakhs so far, towards the activities of TEQIP-II and is awaiting for release of the last instalment of Rs. 150 lakhs from the SPFU.
3.1 The committee perused the details of expenditure incurred till 26.08.2015 and forecast for the next four months, submitted to the SPFU. The TEQIP Coordinator informed the committee that the college completes utilisation of 95% of the total allocation by the end of September 2015. Further he informed the committee that the college has disbursed the teaching assistantships to the non-GATE PG students only till February 2015 and the research assistantship to the full time research scholars till July 2015 and is waiting for a communication about consideration of the revised IDP submitted by the college and sanction of additional funds. After detailed discussions, the committee accorded approval for transferring Rs. Five lakhs from the head of IOC to the head of FSD. The committee also accorded approval to reimburse the Ph.D. course fee paid by the faculty members to the University/institution. The committee noted the following status of expenditure under various heads and expressed its satisfaction on the proposed actions for the next four months.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Head of Expenditure</th>
<th>Project Allocation (Amt. In Lakhs)</th>
<th>Expenditure as on 25.08.2015</th>
<th>Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Procurement</td>
<td>562.50</td>
<td>522.33</td>
<td>40.17</td>
</tr>
<tr>
<td>2</td>
<td>Assistant ship</td>
<td>262.50</td>
<td>259.2</td>
<td>3.30</td>
</tr>
<tr>
<td>3</td>
<td>Research &amp; Development</td>
<td>62.50</td>
<td>43.49</td>
<td>19.01</td>
</tr>
<tr>
<td>4</td>
<td>Faculty &amp; Staff Development</td>
<td>130.00</td>
<td>129.21</td>
<td>0.79</td>
</tr>
<tr>
<td>5</td>
<td>Industry Institution Interaction Cell</td>
<td>62.50</td>
<td>50.45</td>
<td>12.05</td>
</tr>
<tr>
<td>6</td>
<td>Management Capacity Development</td>
<td>25.00</td>
<td>19.91</td>
<td>5.09</td>
</tr>
<tr>
<td>7</td>
<td>Reforms</td>
<td>12.50</td>
<td>8.52</td>
<td>3.98</td>
</tr>
<tr>
<td>8</td>
<td>Student Support</td>
<td>25.00</td>
<td>5.63</td>
<td>19.37</td>
</tr>
<tr>
<td>9</td>
<td>IOC</td>
<td>107.50</td>
<td>85.51</td>
<td>21.99</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>1250.00</td>
<td>1124.25</td>
<td>125.75</td>
</tr>
</tbody>
</table>

3.2 The committee also noted that the NPIU has circulated the Revised Project Implementation Plan-June 2015 [PIP] and that the new PIP permits flexibility in the allocations under the heads of accounts serially numbered from 2 to 8 below treating them as a combined head of account.
3.3 The committee noted that the college is awarding the fiscal incentive/assistance to the final year students of both UG and PG programs for carrying out the R &D activities by procuring raw materials in small quantities, for printing their final Project Report, registration charges and travelling allowance for presenting research papers in the conferences and publishing research papers in both the national and international journals.

3.4 The TEQIP Coordinator-I informed the committee that four SC/ST Students were permitted to refund the teaching assistantship awarded to them to facilitate them to receive the SC/ST Scholarship granted to them by the Government of Karnataka. The committee ratified the action initiated.

4. Reimbursement of registration fee for Paper Presentation at the international conference IEEE TENCON at Macau, China by the faculty of EEE

The Committee accorded approval to reimburse 550 USD to Dr. P. Meena, Associate Professor-EEE, paid by her towards the registration fee for attending and presenting her research paper titled “Power Quality conditioner and Load management system for an integrated residential grid” at the IEEE TENCON conference at Macau, China during Nov 1-4, 2015, on her submission that she will find financial assistance from other sources towards TA & DA.

5. Award of Teaching Assistantship under the COE

The committee accorded approval for award of teaching assistantship to Mr. Swagata Bhowmik, student of 3rd semester M. Tech (Manufacturing) only for the current academic year.

The meeting concluded with a vote of thanks to the Chair.
ANNEXURES
B.M.S. COLLEGE OF ENGINEERING, BANGALORE-560 019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II
FIFTEENTH MEETING | 11.07.2015 | SUB-COMMITTEE OF BOG | MINUTES

MEMBERS PRESENT:
1. Prof. D. Thukaram, Chairman
2. Sri. M. Krishnaswamy, Member
3. Dr. K. Mallikharjuna Babu, Principal & Convenor

NODAL OFFICERS/ CO-ORDINATORS PRESENT:
1. Dr. G.N. Sekhar, TEQIP Co-ordinator-I
2. Dr. L. Ravi Kumar, TEQIP Co-ordinator-II
3. Dr. S. Gowrishankar, Nodal Officer – Academic Activities
4. Dr. H.S. Guruprasad, Nodal Officer – Academic Activities
5. Dr. M.S. Dharmaprakash, Nodal Officer – Procurement
6. Dr. K. Guruprasad, Nodal Officer – Equity Assurance Plan
7. Dr. M. Indiramma, Co-ordinator – IIIC
8. Dr. S. Srinivas, Principal Investigator, CoE
9. Dr. Chandashree Das, Principal Investigator, CoE
10. Dr. M.V. Murugendrappa, Principal Investigator, CoE

MEMBER PRESENT ON INVITATION:
1. Dr. Martin Jebraj, Director – R&D

The Principal and the convenor extended a cordial welcome to the members for the meeting.

1. Minutes of the fourteenth meeting of the BOG sub-committee held on 19th March 2015.

The minutes of the fourteenth meeting of the BOG sub-committee held on 19.3.2015 [Annexure – 1] were read and recorded.

2. Research proposals for consideration under TEQIP II

The members noted that the BOG in its 58th meeting accorded approval for submission of the proposal seeking additional funds of Rs.800 lakhs under TEQIP II. Further, the BOG subcommittee in its 14th meeting authorised the Principal to constitute expert committees to scrutinize the proposals received (i) for upgrading existing equipment/laboratory, (ii) R&D proposals. The TEQIP Coordinator-I informed the members that the TEQIP office received proposals worth Rs.588 lakhs from various departments. The members perused the recommendations of the six expert committees that have recommended 44 proposals worth Rs.310 lakhs approximately, for inclusion in the revised IDP being prepared for seeking additional funds under TEQIP.
The Chairman of the subcommittee opined that the college shall consider high value research proposals under such projects leading to superior outcomes. The committee considered the IDP submitted to the SPFU/NPIU seeking additional funds, after detailed deliberations, the committee approved the proposal [Annexure-2].

3. Staff in the TEQIP Office

The committee noted that Smt. H. Roopa working as Office Assistant at TEQIP-II had resigned for the job quoting personal reasons and also she was relieved from her duties on 05-06-2015 and approved the same.

4. Audit of accounts for the year 2014-15

4.1 The committee noted that M/s B. N. Jayaram and Associates have completed the audit of accounts for the period 1st April 2014 to 31st March 2015. The committee perused the financial statements and utilisation certificates prepared by M/s B. N. Jayaram and Associates and accepted the audit report[Annexure-2a]

4.2 The committee noted that the internal auditors appointed by the SPFU, M/s GRSM & Associates have conducted audit of TEQIP II accounts during June 1-2, 2015 for the year 2014-15.

4.3 The committee noted that Sri Sarang Kumar and Sri Arvind Kumar of M/s Agarwal A. Kumar & Associates, Chandigarh, Chartered Accountants appointed by the SPFU have conducted the internal audit on 1-7-2015 for the period from 1st October 2014 to 31st March 2015 of TEQIP-II and COE.

The committee further noted that the auditors appointed by the SPFU will be submitting their reports to SPFU and the SPFU in turn communicates the same to the college in due course of time.

5. Performance Assessment Indicators:

The committee noted that the BMSCE has met all the nine performance indicators as per the NPIU website [Annexure-3] and expressed its satisfaction over the accomplishment made by the college.
6. Approval to the faculty, staff & students attending programs and conduction of in-house programs.

6.1 The committee perused the consolidated list of the approvals given by circulation with the details of faculty and students to attend programs outside the college under TEQIP-II/COE and ratified the same [Annexure-4].

6.2 The committee approved the proposals of the faculty who have proposed to attend programs outside the college under TEQIP-II/COE [Annexure-5].

6.3 The committee ratified the deputation of Dr. Suresh Ramaswamyreddy, Nodal Officer (Finance) and Smt. A. N. Shubha (SDA) to a training programme on e-FMR/Financial Management organised by the NPIU at Mumbai on June 10th, 2015.

6.4 The committee approved the nomination of Professor K. Guruprasad, Nodal Officer (EAP) and Professor D. Seshachalam, HOD-ECE to attend the ‘Management capacity enhancement program’ organised at IIM, Indore from July 16-22, 2015.

6.5 The committee approved the deputation of Dr. Sakey Shamu, Professor of Civil Engg, Dr. M Ramachandra, Prof of Mechanical Engineering and Coordinator-COE to attend the ‘Management capacity enhancement program’ organised at IIM, Bangalore during July 20-24, 2015.

6.6 The committee approved the deputation of Dr. K. J. Rathanraj, HOD-IM and Dr. S. Girish, Professor-CV to attend the ‘Management capacity enhancement program’ organised at IIM, Lucknow from 27th to 31st July, 2015.

The committee directed the Academic Nodal Officer to organize presentations by the faculty deputed for Management Capacity Enhancement Program, highlighting the outcomes and action plan in its next meeting.

7. Post Procurement Review of files by NPIU Auditors and Statement of Review Actions submitted

The committee noted that a post procurement review of selected files was conducted by the World Bank Auditors on 26 November 2014 at NPIU, New Delhi. The committee also perused the Review Reports generated w.r.t. BMSCE and the reply provided by the institution thereon.

The Committee noted that the World Bank auditors in their general observations opined that most of the issues are related to the managements and needs to be tackled by Institutions themselves. The committee also noted that the auditors advised the Institutes to chalk out a Standard Operating Procedure (SOP)/Action plan/Check list while
B.M.S.COLLEGE OF ENGINEERING, BANGALORE-560 019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME, PHASE-II

FIFTEENTH MEETING | 11.07.2015|SUB-COMMITTEE OF BOG | MINUTES

initiating procurement process, so that the common issues, observed by them can be avoided in future [Annexure - 6].

8. Post Procurement Review by SPFU and reply provided by the college

The committee perused the observations of the SPFU based on the post procurement review conducted by them on 20th January 2014, 27th March 2014, 3rd & 4th March 2015 and 31st January 2015. The committee also noted that the SPFU sought justification from the college stating that the procurement of the three packages namely: (a) TEQIP-II/KA/KA2G04/98-FPGA Kits (b) TEQIP-II/KA/KA2G04/152 – WARP Radio Board and (c) TEQIP-II/KA/KA2G04/134 – Power Lab Tutor System are not in compliance with the World Bank Guidelines quoting the reasons:

- Uniqueness of the proprietary product procured is not substantially justified;
- Quantity variation – ordered quantity is 1 No. against enquired quantity of 4 Nos;
- Enquiry was sent to M/s. Comtek whereas the OEM authorised M/s. Marutek and order was placed on M/s. Marutek.

The committee also perused the justification provided by the college and hoped that the SPFU may consider the same favourably in its next steering committee meeting and drop the observations [Annexure -7].

9. Status of Expenditure incurred under TEQIP II as on 30.6. 2015

The committee perused the details of expenditure incurred till 30.06.2015 and forecast for the next four months, submitted to the SPFU. The committee also noted that the new PIP (June 2015) permits flexibility in the allocations under the heads of accounts serially numbered from 2 to 8 below treating them as a combined head of account.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Head of expenditure</th>
<th>PROJECT ALLOCATION (Amt. in Lakhs)</th>
<th>Expenditure incurred up to 30-06-2015 (Amt. in Lakhs)</th>
<th>Forecast for next 4 months. (Amt. in Lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Procurement</td>
<td>562.50</td>
<td>487.40</td>
<td>20.65</td>
<td>54.45</td>
</tr>
<tr>
<td>2 Assistant ship</td>
<td>250.00</td>
<td>253.91</td>
<td>8.59</td>
<td></td>
</tr>
<tr>
<td>3 Research &amp; Development</td>
<td>62.50</td>
<td>39.18</td>
<td>5.50</td>
<td>7.82</td>
</tr>
<tr>
<td>4 FSD</td>
<td>125.00</td>
<td>127.50</td>
<td>2.50</td>
<td></td>
</tr>
<tr>
<td>5 III Cell</td>
<td>62.50</td>
<td>48.82</td>
<td>3.75</td>
<td>4.00</td>
</tr>
<tr>
<td>6 Capacity Development</td>
<td>25.00</td>
<td>19.28</td>
<td>3.72</td>
<td>2.00</td>
</tr>
<tr>
<td>7 Reforms</td>
<td>12.50</td>
<td>7.51</td>
<td>2.50</td>
<td>2.49</td>
</tr>
<tr>
<td>8 Student Support</td>
<td>25.00</td>
<td>5.63</td>
<td>10.40</td>
<td>8.97</td>
</tr>
<tr>
<td>9 IOC</td>
<td>125.00</td>
<td>81.24</td>
<td>7.50</td>
<td>7.50</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1250.00</td>
<td>1070.47</td>
<td>65.11</td>
<td>87.23</td>
</tr>
</tbody>
</table>
10. Status of Expenditure incurred under COE as on 30.06.2015

The committee noted the following status of expenditure under the COE and noted that the progress under the heads namely: R & D, FSD and IIIC needs some more attention to augment the progress and asked the PIs to initiate necessary steps in this regard.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Head of expenditure</th>
<th>Allocation (Rs. In lakhs)</th>
<th>Amount spent as on 30.06.2015 (Rs. In lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Procurement</td>
<td>275.00</td>
<td>141.23</td>
</tr>
<tr>
<td>2</td>
<td>Assistantships</td>
<td>50.00</td>
<td>10.88</td>
</tr>
<tr>
<td>3</td>
<td>R&amp; D</td>
<td>50.00</td>
<td>4.39</td>
</tr>
<tr>
<td>4</td>
<td>Faculty &amp; Staff Development</td>
<td>50.00</td>
<td>2.19</td>
</tr>
<tr>
<td>5</td>
<td>III Cells</td>
<td>25.00</td>
<td>0.94</td>
</tr>
<tr>
<td>6</td>
<td>IOC</td>
<td>50.00</td>
<td>14.23</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>500.00</strong></td>
<td><strong>173.86</strong></td>
</tr>
</tbody>
</table>

11. Seeking approval to place purchase order for X-Ray Diffractometer (XRD) System/Equipment under the component 1.2.1 [COE in Advanced Materials Research]

The BOG subcommittee perused the following details with regard to procuring the XRD for the COE.

11.1 The BOG subcommittee in its seventh meeting held on 11.9.2013 accorded approval to initiate the process of procurement of X-Ray Diffractometer (XRD) System through NCB. Procurement of X-Ray Diffractometer (XRD) System was initiated through NCB on 10-10-2013 and the bids were opened on 12.11.13. Two firms have submitted their bids. (i) M/s. IR Technology Services Pvt Ltd had quoted for Rigaku Model Ultima IV at a price of Rs.92,85,200/- and (ii) M/s. Spectris Technologies Pvt Ltd quoted for PANalytical Model X’pert at price of Rs.1,00,88,710/-.

11.2 The minutes of the 6th, 7th and 8th meetings of the BOG subcommittee were approved & ratified by the BOG in its 54th meeting held on 13.1.14. The BOG in the said meeting noted that the bids received towards the procurement of Scanning Electron Microscope [SEM] and X-Ray diffraction analyser [XRD] have resulted in escalation in price to the extent of 150% of the estimated price and ordered for cancelling the previously called NCBs. The BOG also observed that the equipment SEM and XRD are technologically complex, only few manufacturers are available and all the manufacturers are outside India and hence there is limited scope for receiving bids from indigenous sources. In the said meeting, the BOG accorded approval to re-initiate the procurement process through
ICB/LIBs for these two items and the two earlier NCBs were cancelled on 10.2.14. The BOG has also agreed to sanction additional grant of Rs.30 lakhs from the management funds, in the event of any shortage of funds for procurement of equipment.

11.3 The BMSCE through PMSS, sought permission of the NPIU on 28.2.14 for initiating fresh procurement process through International Competitive Bid (ICB). In response the NPIU advised the college on 03.03.2014 to opt for LIB if it is feasible to justify its use in the cases under consideration, failing which the college shall proceeds with NCB only.

11.4 The BOG subcommittee in its 10th meeting held on 26.5.14 perused the report of procurement committee for the COE dated 19.5.14 and directed the concerned to re-initiate the process for SEM & XRD through LIB. Subsequently, the college received a communication from the NPIU dated 15.5.14 resetting the thresholds for different modes of procurement that was silent on the mode of procurement through LIB and hence the process through LIB could not be continued for want of further directions from the BOG.

11.5 The BOG subcommittee in its 11th meeting held on 10.09.14 noted that the NPIU has issued a circular dated 15.05.14 by resetting the thresholds for various modes of procurement and thereby the items costing below Rs.150 lakhs have to be procured only through NCB. The subcommittee of the BOG accorded approval to initiate the NCBs for SEM & XRD. The decision was ratified & approved by the BOG in its 56th meeting held on 22.09.14.

11.6 The college could re-initiate procurement process for SEM through NCB on 22.09.14. But could not complete the same for XRD, as the PMSS did not permit re-initiation of procurement process for XRD, citing the reason that the total cost of items for which procurement was initiated, exceeds the total allocated budget for procurement under the TEQIP (Components 1.2 and 1.2.1 together), based on the estimates made.

11.7 The procurement nodal officer has taken up the issue with the officials of NPIU and requested them to intervene in the matter and remove the technical hurdle of PMSS and permit the college to re-initiate the process for XRD. Meanwhile, the Coordinator & Principal investigator of the COE opined to complete the process for SEM first and then initiate the process of XRD after getting clarity on the availability of funds under COE.
11.8 However, the NPIU cleared the technical constraints for including XRD in PMSS. The SPFU and NPIU approved the item in PMSS as NCB package on 18.02.2015 to proceed further. After receiving the clearance in PMSS from the NPIU, the process of NCB was re-initiated on 10.03.2015

11.9 The bids were opened on 08.04.2015 as per the schedule and it’s noted that the same two bidders M/s IR Technology Services Pvt Ltd and M/s. Spectris Technologies Pvt Ltd have submitted the bids. M/s IR Technology Services Pvt Ltd had quoted for Rigaku Model Ultima IV at a price of Rs. 63,64,250/- and M/s Spectris Technologies Pvt Ltd quoted for PANalytical Model X’pert at a price of Rs. 70,79,424/-. The bid of M/s IR Technology Services Pvt Ltd was considered commercially and technically non-responsive and M/s. Spectris Technologies Pvt Ltd was considered responsive.

11.10 At this stage of Bid Evaluation, the matter was referred to NPIU & SPFU seeking pre-order approval on 09 May 2015. On 5th June 2015, the NPIU asked the SPFU to verify the procurement procedure carried out by the institution and to communicate the detailed information/action/suggestion on the issue. In this regard, on 8th June 2015, the SPFU visited the college and verified the documents pertaining to the procurement procedure followed till date. Further the SPFU on 16th June 2015, sought justification on their observations: (i) the proposed equipment has been included in the Institutional Development Plan (IDP) of COE at an estimated cost of 35 lakhs. (ii) The specification intended in the IDP have been enhanced to higher specification at a cost of 70 Lakhs.

The SPFU in its communication stated the following:

"After going through the documents produced by the institution, it is obvious that the procurement initiated first time in November 2013 is not yet complete till date with two procurement calls being cancelled and the 3rd in progress; and almost one and a half year valuable time has been lost. It is obvious that market survey and finalisation of specification were not properly leading to undue delay in procurement.

Further, delay in procurement of the proposed equipment is likely to affect the final outcomes expected from COE. Therefore, the institution is advised to go ahead with the procurement provided the coordinator of COE submits through the Principal the detailed justification in terms of advantages and outcomes likely to be achieved at the end of the project with enhanced specifications costing approximately Seventy Lakhs compared to the originally proposed lower specifications costing about Thirty Five Lakhs."
11.11 The Coordinator of the COE, Dr. M. Ramachandra has submitted the justification on 17th June 2015 that the enhancement in specification to Floor mounted High resolution XRD was to promote the research work on all kinds of materials (including ceramics, thin films, and biomaterials and so on) based on the oral suggestions received from the experts of IISc.

11.12 The SPFU on 20th June 2015 forwarded its observations and justification provided by the Coordinator of the COE, BMSCE to the NPIU seeking the advice of the NPIU for proceeding further with the procurement of XRD system. The SPFU on 26.06.2015, requested the NPIU to permit the institution to issue the purchase order to L1 for procurement of XRD.

11.13 The NPIU vide email dated 27th June 2015 expressed that it is in conformity with the decision of SPFU Karnataka that the institution may go ahead with the procurement with proper BOG approval within the framework of World Bank procurement guidelines. Further, the NPIU suggested the college to adhere to the instructions (Conclusion Report) given by SPFU vide e-mail dated 16th June 2015. The institution is also informed to maintain all the relevant procurement documents pertaining to above procurement at the time of post review [Annexure-8].

The committee reviewed the entire procedure followed till date including the change of specifications from desktop model to Floor Mounted Model with an escalated budget of Rs.70 Lakhs. Dr. Martin Jebraj, Director R&D, BMSCE informed the members that the coordinator implemented the changes in specifications for procuring a Floor Mounted Model considering its advantages over the desktop version. He further reiterated that a Floor Mounted Model is very much necessary to conduct advanced materials research for which the COE is intended and Benchtop model has limited applications on advanced materials. Further, he also pointed out that the Floor Mounted Model has the advantage of up-gradation of the system whereas the Benchtop model is not suitable for the upgradation. Considering these aspects, the BOG subcommittee in its earlier meetings approved the procurement of the Floor Mounted Model of the XRD.

After detailed perusal of the records and deliberations which the BOG subcommittee further noted that right from beginning the process was initiated only for procurement of Floor Mounted model of XRD and there were no changes in the specifications once the process is initiated. The committee further noted that in the process of encouraging more competitive bids, efforts are made to initiate the process of procurement through different modes and this caused the delay in completing the process. The committee also noted that the variation in the pricing is largely due to variation in EURO-Rupee exchange rates.
Considering the above aspects, the BOG Sub-Committee accorded approval to place purchase order with the eligible bidder M/s. Spectris Technologies Pvt Ltd for procurement of XRD (PANalytical Model X’pert) at a price of Rs. 70,79,424/-.  


The Nodal Officer, Procurement informed the members that the BOG subcommittee in its 13th meeting held on 20.11.14 has accorded approval to place Purchase Order for the procurement of Scanning Electron Microscope (NCB Package Ref: TEQIP-II/KA/KA204/216) and accordingly the Purchase Order has been issued on 15/12/2014 to the eligible bidder M/s. Advance Scientific Equipment Pvt. Ltd., at the total price of Rs. 95,92,153/-. He further informed that the Customs Duty Exemption Certificate (CDEC) dated 28.04.2015 has also been issued and opening of Letter of Credit (LC) is in process. The bidder needs to complete the supply within 120 days from the date of providing CDEC and the supplier is expected to complete the delivery and installation of SEM before 28.8.2015. The committee noted the status of procurement of SEM and informed the Principal Investigators to see that the Lab space is kept ready for the installation without any further delay.

13. Unauthorised absence of Mr. Madhusudhan J, Research Assistant under COE

The Committee noted that one of the research assistants appointed at the COE, Sri Madhusudhan J, assisting Prof. Ramachandra M, is absent to his duties since 10th June 2015 without any intimation, causing hindrance to the work. The attempts made by the office of the TEQIP to contact him over phone went in vain, as his phone was out of coverage area throughout. A memo dated 18.06.15 was sent to his residential address giving him an opportunity to report to his duties immediately by submitting an explanation to his un-authorized absence, for which there was no response. His father informed Dr. Ramachandra over phone that Mr. Madhusudhan has no interest to come and rejoin the work.

The committee opined that it is difficult to retain Research Assistants in the projects unless they are in pursuit of doctorate degree. Further, it is understandable that new opportunities attract them to explore their respective domains. The committee accorded approval to terminate his services with immediate effect and arrange for inducting a new person in his place [Annexure-9].

14. Consultancy and IRG Proposals

The committee discussed the proposal on fixing the charges to be levied for extending the equipment procured under COE/TEQIP-II to other academic institutions/industry for the
purpose of conduction of tests or analysis of the materials etc., the committee suggested for re-submission of the proposal considering the following:

14.1 The breakup of the charges should indicate the details of the consumption of other materials in the process, the matrix of hours/day/job based charges.

14.2 Available time slots during which the equipment can be utilised either for testing or for consultancy activities without hindering the R & D work & practical classes.

14.3 Clear time slots for utilisation of resources by academic/industry personnel with preference to R&D. The mode of handling the revenue generated if any, in such activities.

14.4 The committee opined that till a detailed discussion happens and permission is accorded for an action plan for taking up consultancy activities, the committee authorised the Principal to permit the execution of students level (Graduate, Post-graduate & Doctoral) projects at minimal charges.

15. Brief report on the conferences held at the college:


The committee perused the report submitted by Dr. Suresh Ramaswamyreddy on conduction of the 3rd International Conference on Micro Perspective for Decentralized Energy Supply (MES - 2015) by the college in association with TU Berlin and UC Berkeley. The committee noted that about 121 delegates including 21 student buddies & 40 foreign nationals have participated in the conference. 36 papers were presented orally and five papers were presented through posters, in addition to the 4 panel discussions held. The committee noted that a mini-grid workshop in cooperation with The Energy Resource Institute [TERI] and UNEP, the business plan competition in cooperation with ADB-Energy for All, were held on the side-lines of the MES-2015. The committee also noted Hans-Bockler Foundation and Micro Energy International, ADA Microfinance, Schneider Electric, Karnataka Renewable Energy Department Limited (KREDL), ME SOLshare, New Ventures India, energypedia and Emerge Alliance in addition to TEQIP II have supported the conduction of the said conference. A detailed report is enclosed at Annexure-10.


Dr. Gowrishankar, the steering committee chair for IACC-2105 has submitted a brief report on conduction of the 5th edition of IEEE International Advance Computing Conference at BMSCE on 12th and 13th June 2015 that attracted more than 700 delegates from across the globe including eminent personalities from the world of computing and technology. The committee noted that the conference is held in association with the IT
industries namely Extreme Networks, Ruckus Wireless, VMware, Lenovo, Accenture, Binary Systems & Maheshwari Electronics and Dr. K. R. Radhika, Professor of ISE was the general chair of the conference. Dr. Gowrishankar further informed the members that about 345 research papers were presented orally & 25 papers were presented through posters and the papers presented orally are accepted for publication through IEEE Explore.

The conference had a mix of invited expert talks, high-level panel discussions, poster session, and peer reviewed papers with a truly distinguished array of personalities from industry, academia and government from across the world with the theme that focused on cloud based innovations in Social Network Analysis, Artificial Intelligence and Image Processing, High Performance Computing, Advance Computer Networks and Advanced Algorithms. A detailed report is enclosed at Annexure-11.

The BOG sub-committee congratulated the co-ordinators, faculty and the staff involved for organising such value based conferences on the thrust areas of research. The committee opined that college shall succeed in achieving the pre-determined outcomes while conducting such workshops/conferences to meet the targets of the TEQIP II.

The meeting concluded with a vote of thanks to the Chair.

Dr. K. MALLIKARJUNA BABU
PRINCIPAL and CONVENER

Prof. D. THUKARAM
CHAIRMAN
ANNEXURE-2

MANAGEMENT CAPACITY ENHANCEMENT PROGRAMME
IIM, INDORE
A BRIEF REPORT
BY
DR. K. GURUPRASAD
16.07.2015 TO 22.07.2015

MANAGEMENT CAPACITY ENHANCEMENT PROGRAMME

People skill and Interpersonal effectiveness
Tools like MBTI discussed. Understanding inter personal skills were discussed

Marketing of educational services
Value creation, point of parity and point of differentiation were discussed

Stress Management through Sahajyoga
Reasons for stress; removal of stress through Sahajyoga was practiced

Effective communication
Both verbal and nonverbal communications were discussed through case studies

Spread sheet simulation for decision making
Budgeting challenges for arranging conferences were discussed through spreadsheet

Persuasive communication skills
Basic laws of influence like law of scarcity, reciprocity, authority, liking, social proof, commitment and consistency were discussed

Team building
Team building, its challenges and management was taught through variety of games

MANAGEMENT CAPACITY ENHANCEMENT PROGRAMME

Good Governance in Higher education
Good governance prevailing in IIMs, IITs and foreign universities was discussed

IT for organizational performance
Impact of IT on organizational performance and its influence was deliberated

Innovation in teaching and research
How to create an environment for creating innovative minds was discussed
Case studies in innovations were presented

Managing change
Importance of change in an organization and how to cope up the change through caselets

Pedagogy in management teaching
Creative methods using of caselets, stories, roleplay and simulation were discussed

Grievance Management and conduct rules
Case studies related to grievances and interpretation and applying of conduct rules was deliberated

Managing Discipline
Behavioral through Milgram experiments and through committees was discussed

Financial Management-I
Accounting and its classification as also assets and liabilities were taught

Cloud Computing
Software testing and its testing flow, standards were covered.
Cloud history, concept, advantages, threats and its future was discussed

Disciplinary proceedings
Role play was done by participants to illustrate a case study related to principle of natural justice

Financial Management-II
Using a case study Financial Analysis was taught

How to be a good administrator
The topic was deliberated upon using various examples

Leadership
Effectiveness of a team was taught through a game/activity

Performance Management
Factors affecting the performance appraisal of a faculty/organization was discussed

RTI
Role of PIO, Appellate authority and RTI commission in proving information to public was discussed
BMS College of Engineering, Bengaluru

Learning outcomes of Management Capacity Enhancement Programme for Administrative Heads of Higher Education Institutions held during 18-22 August 2014 at Indian Institute of Management, Bangalore

Presented by Dr. S. Muralidhar and Dr. S. Dhamaprapaksh and Dr. C. Lakshminarayana

---

Students:
- Students and alumni should be heard as often as possible.
- Less than 75% attendance will reduce the grade point by one (At IIMB grade points are on 4 point scale).
- A day after graduation day, passing out students are heard (both positive and negative opinions) by seniors and authorities which enables authorities to address issues for improvement.
- Lot of emphasis is given to educate students on morality and ethics. Enforcement through tough code of conduct.
- Assignments and research papers submitted by students and research scholars are checked for plagiarism using the software Turnitin. Any plagiarism is viewed seriously and even immediate action is taken.
- Every two years curriculum is being changed updated.

Enterprise Resource Planning (ERP):
- At IIMB, all the academic and administrative activities are automated through ERP (including evaluation and grading of students' performance).

---

Faculty:
- Peer pressure on faculty will enhance performance. Student feedback and peer reviews are made public (i.e. among faculty members only and not among students).
- Performance of a faculty member on the research front is also reviewed periodically.
- Faculty work report will have all the details of scores on performance in teaching, research and service with weighting of 40:40:20.

Brand building:
- Brand building is being done through digital media. It is very essential to open college facebook account and Twitter account and brand building is possible through students and alumni network.

---

To achieve excellence in education, excellent educational system comprising pure academic administration (Faculty), academic oriented admin (Labs, Library, comp centre etc.) and general admin (Office) should be in place. Amongst the above, academic administration needs to be given priority.

The following are some of the best practices followed at IIMB, which they claim are responsible for the present ranking of IIMB.

Stakeholders:
- Understand and engage with stakeholders through:
  - Providing information about the Programme and raising the awareness of relevant issues, through formal and informal meeting processes.
Topics Covered
- People skill and interpersonal effectiveness
- Marketing of educational services
- Campus visit
- Stress Management through Sahajayoga
- Effective communication
- Learning through stories
- Spread sheet approach simulation for decision making
- Persuasive communication skills
- Team building
- Good Governance in Higher education
- IT for organizational performance
- Innovation in teaching and research
- Innovation in teaching and research

Thanking you
- Management and Principal BMSCE
- Vice principal (TEQIP II Principle coordinator)
- SPFU and NPIU
- IIM INDORE
ACADEMIC LEADERSHIP PROGRAM
IIMK

Mar-2nd to 7th, 2015

B V RAVISHANKAR
Professor
Dept. of Civil Engg

Objectives

• Why Academic leaders
• Need for Great Institution
• Team building
• Strategic Challenges to Edn. Institutions
• Identification of Institutional problems
• How to handle 21st Century Students

Out Comes

• High performance of Institution
• Global Compulsions
• National Paradoxes
• Regional Challenges

• Teams are especially appropriate for conducting tasks that are high in complexity and have many interdependent subtasks

Cont.....

• Compete with emerging global challenges
• Migrate smoothly from a factor driven to innovation driven.
• Infrastructure, Quality of Faculty, outdated curricula, Regulatory Compulsions, General disinterest among students or Evaluation Methods.

• Challenges to address 21st century students

THANKU
Management Capacity Enhancement Programme for Administrative Heads of Higher Education Institutions

1st - 25th Nov 2013 (3 Weeks)

Conducted by

INDIAN INSTITUTE OF MANAGEMENT BANGALORE

Report submitted by
Dr. Suresh Ramaaswamyreddy,
Professor
Department of Civil Engineering

| Day 1 | Team Building (Outbound) | Importance of team work, How to build a team |
| Day 2 | Managing Academic Institutes- Prof. S. Mahadevan |
| Day 3 | Legal Perspectives |
| Day 4 | Leadership - Prof. Ramaa Ramaswamy |
| Day 4 | Managing Human Resources- Prof. Mahadevan |
| Day 5 | Environmental FRIENDLY Campus- Prof. Rajalakshmi K Murthy |

Thank You
Management Capacity Enhancement Programme for Administrators
(27th to 31st July 2015)
Indian Institute of Management, Lucknow (Noida Campus)

Presentation by:
S Girish,
Professor, Department of Civil Engineering,
BMSCE, Bangalore

Outcome of the Programme
- How it was aligned with the Institute ????
- How it has helped you to be effective ????
- Action plan if any ?????

Mission of our Institute
Accomplish excellence in the field of Technical Education through Education, Research and Service needs of society

- Higher Education globally is undergoing a process of reform.......
- Growing Globalization and Partnerships, Greater Competition (for performance, attracting quality students/institutions)
- Growing Privatization and Private institutions: Competition from "new vendors" with the same/threaten facilities
- Gradual withdrawal of support from Governments and focus on self-generation of resources
- Growing need for use of information technology and Growing need for life-long learning
- Changing public views of and changing government attitudes towards higher education
- Global challenges - Social, economical, political, regional, migration of population, environmental degradation etc. - Added with greater accountability

To face the Global challenge and the standards and to Excel in the field of education needs continuous training of the faculty

Indian Scenario in Higher Education
(Ranu Prasad's Article in INDIA TODAY, 11th August Issue)
201 private universities compared to 50 central university/220 state university and 128 deemed universities
- 45% higher educational institutions in private sector
- 48% college going students are enrolled in private institutions
- 2013-14: Education industry was worth 52.34 billion dollars and by 2018 - 335 billion dollars
- From April 2010 to September 2014 education sector in India received $31.5 million dollars

Need to understand some of the Challenges in Higher Education

- Need for shift in methods of teaching and the tools deployed for it
- Diverse curriculum that imparts multi-skills of learning/development, job skills alongside traditional subjects
- Emphasis on interdisciplinary research with centers of excellence
- Curriculum activities with students to participate in some form of leadership or service learning programme
- Industry driven curriculum along with innovative collaboration (faculty and students in the latest tools and techniques in pedagogy)
- Soft skills such as foreign language and business communication
- Lab work - students and researchers to perform virtual experiments
- Brand building

Action Plan
Design Course with Industry driven requirements

Develop Research culture among students and choose Projects which are industry related/sponsored with societal values

Encourage students for short Industrial Training and enhance their employability

Encourage the students to be in Scientific forums/juries, cultural activities etc to instill a sense of leadership and experience of working in a team

Encourage the students for hands on experience with mini projects/real world/surveys/case study analysis / small group activities and societal extension activities

Encourage the students for online modules / course materials activities

Attempt for Collaborative research and improve Competence in Research and also in teaching deliverables

Attempt for Industry institute interaction in the form of lectures, collaborative projects and consultancy
Academic Leadership Program for TEQIP Institutions, February 02-07, 2015
Conducted by IIM Kozhikode

By
Dr. Ravishankar Deekshit
Dr. Ravikumar L

A Brief Report
26-08-2015

OUTCOMES:

- The program covered diverse topics aimed at enhancing academic leadership in technical institutions.
- Various aspects of learning that enable faculty to provide a quality orientation and system level thinking were discussed.
- The factors that contribute to an institution as 'world class' were highlighted through video presentations and discussions.
- The importance of managing public relations and institutional branding in the present era was highlighted.
- The reasons for lack of excellence in educational institutions were debated upon.
- The importance of having a purposeful Vision and Mission, considering global challenges in the 21st century, and linking this with the Strategic Plan of the institution was emphasized upon.

Learning Outcomes

Be able to explain the general principles of the Integrated Competing Values Framework (ICVF), a leadership measurement tool, to gauge personal leadership capabilities.

Understand the importance of HR appraisal in leadership development (using the ICVF).

Explore the value of peer coaching as a component of an overall leadership development strategy.

The ICVF conceptualizes academic leadership as:

- Having competing demands (paradoxical)
- Requiring behavioral and cognitive complexity
- Involving critical observation
- Involving reflection and learning

Diagram:

- People focus
- External focus
- Task focus
- Internal focus
- Innovator
- Developer
- Broker
- Monitor
- Integrator
- Core focus: values & strategy
- Core focus: market
- Core focus: innovation & risk management changes
- Core focus: customer experience, innovation, service
- Core focus: effective hands-on, hands-off
- Core focus: leadership, leadership, leadership structure
- Core focus: leadership, leadership, leadership strategy
- Core focus: skills, tools, knowledge, skills
- Core focus: skills, tools, knowledge, skills
- Core focus: skills, tools, knowledge, skills
- Core focus: skills, tools, knowledge, skills
- Core focus: skills, tools, knowledge, skills
Inappropriate Use of Roles

Positive Zone

Overdeveloped
Derailer
Deliverer
Broker

Undervalued Skills
Unwanted Knowledge
Crisis
Change
Conflict

Useless Knowledge
Valueless Skills
Blunt
Crisis
Change
Conflict

Inappropriate Use of Roles

Completing the iCVF

- Select individuals who value and respect you
- Select a robust sample
- Explain the purpose – development and learning
- Assure them of confidentiality
- Be available to answer questions
- Remind them
- Thank them

The road to mastery

From novice to expert...

Novice:
- Learn facts and rules
- Basic skills and techniques

Advanced Beginner:
- Apply the rules and discover basic patterns
- Use your own rules-of-thumb and work creatively

Proficient:
- Calculate and analyze disappear – you unconsciously “read” the situation
- Expertise:
- Adapt to constant change, and
tactfully act upon different situations appropriately

A Model of Leadership for Outstanding Educational Outcomes

FOCUS ON STUDENTS AND THEIR LEARNING

Thank You

MYERS-BRIGGS TYPE INDICATOR

- Helps you identify your unique gifts
- Helps you understand yourself
- Motivations
- Natural strengths
- Potential areas for growth
- Helps you understand and appreciate people who differ from you
- Helps you begin the career exploration/growth process.
MANAGEMENT CAPACITY ENHANCEMENT FOR ADMINISTRATORS
IIM LUCKNOW, NOIDA CAMPUS
JULY 27-31, 2019

Dr. Rathnaratna K J
Professor and Head, Department of IEM
SMS College of Engineering, Bengaluru - 560019

LEARNING OBJECTIVES
- Develop a holistic perspective of the role of an academic administrator
- Be aware of best practices in governance of faculty-driven academic institutions
- Be more equipped to handle challenges of strategic, administration and operational leadership
- Develop an approach to effectively influence internal and external stakeholders

HIGHLIGHTS
- Management of contracts by Prof. C L Bansal
- Brand Building by Rajeev Verma
- Capacity building through technology – project techno-vision by Prof. Kuchal Son
- Governance and leadership by Puram Sahagai
- Persuasion and effective communication by Prof. Neeraj Pande
- Academic systems, process and performance: analysis of a university by M R Janardan

PHOTOGRAHS

CHALLENGES FACED BY THE AIDED TECHNICAL EDUCATION IN INDIA

Dr. Rathnaratna K J
IIM, Bengaluru
Dr. Raghuveer M Bhole, Bengaluru
Dr. N. Ahaman A G, Bengaluru
Dr. M B. Sreenivas, SSEC, Hyd
Dr. S K. Manadeeswaran, BSC, Bhopal
Dr. Anukriti M M, RIT, Bangalore

AIDED TECHNICAL EDUCATION
- The Grant-in-Aid (GIA) higher education sector in Karnataka, India, is an example of a well-established public-private partnership (PPP).
- The private sector establishes and runs GIA colleges: the public sector regulates these and provides recurrent expenditure (usually in the form of 85 per cent subsidy for teaching and non-teaching salaries).
- The administrative unit is the state itself, not districts or regions.
- College management makes up the rest. (This is apparently because 15 per cent of seats are "management seats" in the college, open to higher fees.)
CHALLENGES
• Growing globalization and partnerships
• Growing need for and use of information technology
• Competition from "new vendors"
• Growing need for lifelong learning
• Growing financial pressures and constraints including decreasing
  state support and increasing internal costs
• Social, economical, political, ideological, religious and cultural
  pressures
• Changing public views of, and changing government attitudes
  towards, higher education
• Global challenges, including increasing disparities in wealth,
  growth in the population and migration, environmental degradation.

ISSUES
• Increasing cost
• Improved patterns of governance
• Restructuring, including possible unbundling of functions,
  growing commercialization, mergers and new providers
• Growing new pattern of collaborations
• A reluctant attempt to address "structural inefficiency"
• Some expect linear changes to be revolutionary and
  transformative involving "paradigm shifts" While others saw
  these as likely to be more gradual and incremental

BOTTLE NECKS
• Lack of industry institute interaction
• Partial flexibility in forming curriculum
• Constrained to work within the aided norms
• Constraints for time bound promotion under aided
  norms
• Lack of Grievance Redressal system
• Requirement of finishing schools
All the issues related to enhancing the capabilities of technical education in India towards world class institutions were discussed. The following are some of the gist that emerged in the training programme:

- To achieve excellence in education, excellent education system comprising pure academic administration and general admin (office) should be in place.
- Amongst the above, academic administration needs to be given top priority.
- Each project institution is required to establish a governance model that will hold the institution accountable to all stakeholders.
- To delegate suitable academic, financial and administrative powers to various institutional functionaries to streamline the running of the institution by framing rules and procedures for accountability at each level.
- Catch the students early for orientation programme and find the strengths of the students in the that programme.
- Peer pressure on faculty will enhance performance, student feedback and peer reviews are made public.
- Networking of institutions, faculty training are needed to be conducted often.
- Faculty work report will have all the details of scores on performance in teaching, research and service.
- Student and alumni should be heard as often as possible.
- Two year once the curriculum need to be changed/ upgraded.
- After every graduation day, passing out students are to be heard (both positive and negative opinions) by deans and administrators which enables authorities to address issues for improvement.
- Less than 75% attendance will have to reduce the grade point by one (at IIM it is practiced).
- Lot of emphasis is given to educate students on morality and ethics (enforcement through tough code of conduct.)
- Assignments and research papers submitted by students and research scholars are checked for plagiarism using the relevant software. Any plagiarism is viewed seriously and even with rustication.
ACADEMIC LEADERSHIP PROGRAMME at IIM KOZHIKODE (2nd to 7th of March-2015)
The following topics were covered during above training programme.

- Academic leadership in technical institutions;
- Creating world class institutions;
- Strategic visioning and development workshop;
- Branding of TEQIP institutions;
- Understanding discovering self;
- Academic leadership qualities for meeting today’s higher education challenges-self-appreciation;
- Managing interpersonal relations;
- Time and stress management for education administrators.

ACADEMIC LEADERSHIP PROGRAMME at IIM KOZHIKODE (2nd to 7th of March-2015)
System thinking and quality orientation in academic institutions;
Getting research published;
Leading academic institutions;
Managing interpersonal conflicts in educational environment;
Communication and behavioral skills towards students;
Organizational skills;
Managing change;
Entrepreneurship;
Team work and team handling;
Brief presentation on the program attended on

**Academic Leadership Programme for TEQIP Institutions**

@ IIM Kozhikode, Kerala
March 02-07, 2015

by
Dr. G. Giridhara
Professor, Dept. of Mechanical Engg.,
B.M.S. College of Engg., Bengaluru-19

**The Topics covered during the Training programme are**

- Governance model – Board of Trustees
  - BOG
  - Academic council
- Academic administration - Faculty
- Academic oriented administration
  - Laboratories
  - Library
  - computing facilities etc.
- General administration
  - Individual accountability is must

- Brand building of the Institution
- Managing interpersonal relations;
- Time and stress management for education administrators.
- Entrepreneur Development cell
- Industry – Institution interaction
- Collaboration with R&D institutions
- Identify the strengths of the Faculty
  - Teaching
  - Innovations
  - Research and Development
- Publishing high quality research papers in peer reviewed Journals
  (Plagiarism must be checked for all articles and project reports)

- Innovative teaching methodologies
  Labs integrated with theory
  web learning, e-class rooms
- Examination & Evaluation system – be fair
- Faculty – Feed back system by students
- Departmental Activities
  BOS – curriculum
  Encourage faculty for FDP, QIP
- Stake holders – Feed back from
  Industries, Parents and Students, Alumni
  (reg. syllabus, Human resources, infrastructural facilities, general amenities)
• Managing interpersonal conflicts in educational environment
• Communication and behavioral skills towards students
• Inculcate Ethics and Morals in every individuals
• Remedial coaching for weak students
• Leadership – Inspiring and guiding the people
• Power of initiative
• Be good listener
• Managing team performance
• Team building through fun games
• Think Globally and act locally

The following are few conclusive remarks emerged in the training programme
• To achieve excellence in education, excellent education system comprising pure academic administration and general admin (office) should be in place.
• Catch the students early for orientation programme and find the strengths of the students in the that programme.
• Student feedback and peer reviews are made public.
• Networking of institutions, faculty training are needed to be conducted often.
• Curriculum need to be changed/upgraded for every two years once.
• Educate students on morality and ethics.
• Research papers need to be checked for plagiarism using the relevant software.

Acknowledgements

My sincere thanks to the Board of Management, Principal, Vice principal and Coordinators of TEQIP for giving me an opportunity to attend the program.

I would like to place on record, my sincere gratitude to TEQIP-II program for providing financial assistance to attend this program.

Thank You
GOOD GOVERNANCE DOCUMENT
Enhancing the capabilities of Engineering Education
## Contents

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BMSCE History</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Vision &amp; Mission</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Principles of governance and management</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>The role of members of the governing body, including the principles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>of good behaviour and the need to avoid conflicts of interest</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>The role of the Chair and of the Head of the institution, and the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>relationship between them</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Appointment of the Chair and the Members</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>The committee structure and the scheme of delegation to those</td>
<td></td>
</tr>
<tr>
<td></td>
<td>committees</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>The definition of primary accountabilities and the governing body's</td>
<td></td>
</tr>
<tr>
<td></td>
<td>approach to them</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Openness and transparency</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Key attributes</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Effectiveness and performance review</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Regulatory compliance</td>
<td></td>
</tr>
</tbody>
</table>
BMSCE HISTORY

About the Institution

BMS College of Engineering (BMSCE) was Founded in the year 1946 by Sri.B.M.Sreenivasaiah a great visionary and philanthropist and nurtured by his illustrious son Sri.B.S.Narayan. BMSCE is the first private sector initiative in engineering education in India. Started with only 03 undergraduate courses, BMSCE today offers 13 Undergraduate & 16 Postgraduate courses both in conventional and emerging areas. 15 of its Departments are recognized as Research Centers offering PhD/M.Sc (Engineering by Research) degrees in Science, Engineering, Architecture and Management. Modernization, increased size and sophistication have not changed the basic philosophy of education at BMSCE. During the year 2015, BMSCE is entering 70th year of its journey in promoting engineering education. To commemorate the event, the Institution has lined up seven International conferences and several student centric events.

Salient Features

- First private engineering college established in the Country
- Aided by Government of Karnataka
- First Institution in the state bestowed with NBA Accreditation in Tier I Format (Washington Accord)
- Accredited with A Grade by NAAC with CGPA of 3.41/4.00 (Valid up to 2018)
- Affiliated to All India Council of Technical Education(AICTE), New Delhi
- Affiliated to Visvesvaraya Technological University(VTU), Belagavi, Karnataka
- Approved by Council of Architecture (COA), New Delhi
- Included under section 2f and 12B of the UGC Act 1956
- Approved as QIP Centre in Engineering & Technology by AICTE, New Delhi
- TEQIP Phase I and Phase II Institute(World Bank Funded Project)
- Partner institution of the Melton Foundation, USA which advocates Global Citizenship
- Granted Permanent Affiliation status by VTU, Belagavi, Karnataka
- Self-financing programmes
- Committed and supportive Management
- Qualified, Experienced & Dedicated faculty and staff
- Faculty Gender ratio 50:50

The College has the distinction of attracting meritorious students. BMSCE is the most preferred destination not only for students of the state but also from various parts of the Country. The College has one of the largest student populations amongst engineering colleges in Karnataka. Currently about 5000 students are pursuing their higher education at BMSCE.

The academic performance of the students has been exceptional. More than 90% of the students secure first class/distinction. The Institution has an excellent Placement and Recruitment Cell. 90% of the eligible students are getting placed every year. The Institution has well-Qualified, Experienced & Dedicated faculty and staff members. BMSCE has the most advanced laboratories for practical training, state of the art computing facilities, spacious classrooms with good furniture and A/V aids, Wi-Fi campus and 24x7 internet facilities in the departments and hostels. The Institution has Collaborative & Extension Activities by way of MOUs with various Governmental and Non-Governmental organizations for fostering Academic/ Research/ Innovation. A strong alumni base of over 30,000, most of them occupying coveted positions in various Educational, Industrial and Research organizations. The college is being ranked consistently among the top engineering colleges in the country by surveys conducted by various media sources.
VISION AND MISSION

VISION
Promoting the prosperity of mankind by augmenting human resource capital through quality technical education & training.

MISSION
Accomplish excellence in the field of technical education through education, research and service the needs of society.

GOVERNANCE

BOARD OF GOVERNORS

The administration is overseen by the Board of Governors (BOG). The BOG approves the Strategic Plan, the Vision & Mission, Short Term and Long Term goals and the Budget based on the Strategic Plan. The implementation of the vision and plan is executed with the support and involving all the major stakeholders. The BOG ensures that all decisions on the matters such as Admission quality, new programmes, infrastructure, Teaching Learning Process and Placements are arrived at based on the fundamental concerns of the Institutions. The BOG meets at least four times in a year.

The BOG, constituted as per the provisions of the VTU Statutes on Autonomous Colleges consists of independent representatives from Government, UGC, AICTE, VTU & Industry. In addition, there are two faculty members (on rotation basis) included as Members of BOG. The Principal is responsible for implementation of the Strategic Plan and reporting to the BOG. The BOG periodically reviews the implementation of strategic plan in tandem with its mission and vision. The BOG has established several committees (both statutory and non-statutory) for maintaining effective and efficient system of control. The CET ranking, placement, results, feedback are some of the important parameters through which the management benchmarks the institution’s standing and ensures that the institution is achieving the intended outcome as per its strategic plan.

The BOG has in place a well-knit review system to assess the performance of Head of the Institution, faculty and staff. The Annual Report presented by the Principal is discussed in the BOG meeting. The same is published in the College website. The Institution is also publishing the annual report in print and digital form. The Institution maintains a register of interests of the Members of the Governing Body. The Governing body is conducted in an open manner. The student representatives are often invited to the BOG meetings and their views obtained and duly considered. The Minutes of BOG Meeting(s) are also published in the college website (www.bmsce.ac.in). The relevant information is then shared with HODs, faculty and staff through various meetings/circulars. The BOG ensures compliance to various regulatory bodies like VTU, State Government, AICTE, COA on regular basis.
PRINCIPLES OF MANAGEMENT AND GOVERNANCE

The management is committed and performs the leadership role for effective and efficient conduct of teaching and learning process in the college. The responsibilities of the BOG and the Management are clearly delineated. The responsibilities of governance include choosing top management leaders (Principal, Deans, HODs, Directors) for the institution, evaluating their performance, authorizing plans/commitments and evaluating the institution’s performance.

On the other hand, the management has the responsibility for managing and enhancing the overall performance of the Institution. The management bears the responsibility of implementing the systems of governance. While governance is concerned with the formulation of the vision of an organization, and translation of the vision into policy, the management is responsible for making decisions related to implementing the policies. The role of governance is to set the right policy and procedures for ensuring that things are done properly. On the other hand, management implements those policies and procedures in the process of doing things properly. This practice has been followed at BMSCE with governance being handled by the Chairman of the BOG and the management being headed by the Principal.

THE ROLE OF THE MEMBERS OF THE BOG INCLUDING THE PRINCIPLES OF GOOD BEHAVIOUR AND THE NEED TO AVOID CONFLICTS OF INTEREST

Affirming its commitment to freedom, equality and opportunity, the Board adopts Non-Discrimination policy. The College does not discriminate on the basis of race, color, religion (creed), gender, age, national origin (ancestry), disability, marital status etc, in any of its activities or operations. The Management is committed to provide an inclusive and welcoming environment for all staff members.

Each member of the BOG has to sign ‘No conflict of interest’ statement in accordance with the institution’s norms. The Members of the BOG adhere to the highest level of conduct in carrying out duties and responsibilities which include the obligation to act honestly, in good faith and in the best interests of the Institution and to avoid conflicts of interest. They maintain strictest confidentiality or proprietary information communicated or disclosed as a member of the BOG.


The BOG is headed by the Chairman who is responsible for implementing its plans, policies and developmental needs for the benefit of its stakeholders. The Chairman is responsible for strategic leadership and good governance. The Principal being its chief academic and administrative Officer provides leadership for the academic administration and creating an effective environment conducive for learning at the institution.
The Principal also ensures that quality education is imparted to the students and that their holistic development is fostered. In addition, the Principal ensures the all-round development of the institution and achievement of its strategic goals.

Besides, the Principal:

- As Member-Secretary of BOG puts forth proposals in all administrative/academic/finance related matters to the BOG and seeks approval and ensures its apt implementation;
- Assesses the human resources (HR) requirements of the institution and makes recruitments as per the procedures and norms laid down by the BOG;
- As Ex-officio Chairman of the Academic Council advises and guides the Chairpersons of the Boards of Studies (BOS) for framing curricula to match with emerging trends and/or market needs and ensures implementation of the decisions of the Council;
- Acts as a facilitator between external agencies and the Institution;
- Facilitates all the stakeholders to provide the necessary impetus for growth and development of the Institution;
- Ensures that proper administrative and evaluation processes are in place to address the rightful grievances of the students, staff and faculty members;
- As Executive in-charge of all academic and administrative bodies and ensures adherence of all regulations as framed by the BOG;
- Conducts regular meetings among various bodies as necessary, for proper functioning of the Institution;
- Complies in a timely manner in generating and archiving all records and reports required by the various agencies like UGC, AICTE, DTE, VTU, TEQIP and others;
- Promotes accreditation activities and facilitates agencies like NBA and NAAC by complying in time with respect to all records and reports required by them;
- Takes all necessary actions for smooth conduction of examinations;
- Performs any other duties and responsibilities assigned by the Chairman, BOG from time to time.

**APPOINTMENT OF THE CHAIR AND THE MEMBERS**

The BOG of BMSCE has been constituted as per the Statutes of Visvesvaraya Technological University (of which BMSCE is an Autonomous College) which are framed as per the UGC XI Plan Guidelines. BMSCE being a TEQIP Institution, the constitution of the BOG has also been approved by the State Government. The BOG consists of nominees of the Trust, State Government, UGC, AICTE, Affiliating University and the Industry.

Two Faculty members (on rotation basis) nominated by the Principal also serve as Members of BOG. In addition, the BOG has the provision to associate invitees at its meetings for specific purposes. The BOG interacts with student representatives during its meetings.

The BOG comprises of members with strong academic background and administrative experience. This has vastly contributed to the success of the Institution. The institution is free from political interference. The BOG members devote an average of 80 – 100 hours of their time per year for various developmental activities (both academic and administrative) of the institution.
The nomination/appointment of members of the BOG and its Chairman shall be as prescribed in the Statutes of the University (Visvesvaraya Technological University) as detailed in the Table given below:

Composition of the Governing Body:

<table>
<thead>
<tr>
<th>Number</th>
<th>Category</th>
<th>Nature</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 members</td>
<td>Management</td>
<td>Nominated by the Trust or Management as per the constitution or byelaws, with the Chairman or President/Director as the Chairperson</td>
</tr>
<tr>
<td>2 members</td>
<td>Teachers of the College</td>
<td>Nominated by the Principal based on seniority and on rotation basis</td>
</tr>
<tr>
<td>1 member</td>
<td>Educationist or industrialist</td>
<td>Nominated by the Management</td>
</tr>
<tr>
<td>1 member</td>
<td>UGC nominee</td>
<td>Nominated by the UGC</td>
</tr>
<tr>
<td>1 member</td>
<td>State Government nominee</td>
<td>Academician not below the rank of Professor or State Government Official of Directorate of Higher Education/State Council of Higher Education nominated by the State Government</td>
</tr>
<tr>
<td>1 member</td>
<td>University nominee</td>
<td>Nominated by the University</td>
</tr>
<tr>
<td>1 member</td>
<td>Principal of College</td>
<td>Ex-officio</td>
</tr>
</tbody>
</table>

Term: Two years, except for the UGC/AICTE nominees whose term will be a full six years. Meetings: At least twice a year.

Please revisit VTU Statutes on Autonomous Colleges (Amended 2011)(Section 5.1) and correct the two Tables.

Board of Governors of BMSCE

<table>
<thead>
<tr>
<th>SNO</th>
<th>Name of the Member with Address</th>
<th>Profession</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr.P.DAYANANDA PAI Trustee, BMSET, BENGALURU</td>
<td>Managing Director Century Building Industries</td>
<td>Chairman</td>
</tr>
<tr>
<td>2</td>
<td>Smt. B.S RAGINI NARAYAN Donor Trustee &amp; Member-Secretary BMSET, BENGALURU</td>
<td>Family of Late B.S.Narayan</td>
<td>Member</td>
</tr>
<tr>
<td>3</td>
<td>Sri.K.Jairaj, IAS (Retd) Trustee, BMSET, BENGALURU</td>
<td>Former Addl. Chief Secretary Government of Karnataka</td>
<td>Member</td>
</tr>
<tr>
<td>4</td>
<td>Dr.G.N.SEKHAR</td>
<td>Vice Principal &amp; Professor Department of Mathematics BMSCE, BENGALURU</td>
<td>Member</td>
</tr>
<tr>
<td>5</td>
<td>Dr.RAVISHANKAR DEEKSHIT</td>
<td>Dean (Academic) &amp; HOD of Electrical BMSCE, BENGALURU</td>
<td>Member</td>
</tr>
<tr>
<td>6</td>
<td>Sri. M.KRISHNASWAMY</td>
<td>Project Director, CARTO SAT-2, ISRO BENGALURU 560 017</td>
<td>Member</td>
</tr>
<tr>
<td>7</td>
<td>Dr.NIRMAL SINGH SEHRA Mumbai</td>
<td>Principal, Khalsa College, Mumbai</td>
<td>Member</td>
</tr>
<tr>
<td>8</td>
<td>Sri. H.U.TALAWAR Trustee, BMSET</td>
<td>Director of Technical Education Government of Karnataka BENGALURU 560 001</td>
<td>Member</td>
</tr>
<tr>
<td>9</td>
<td>Prof. D.TUKARAM</td>
<td>Professor of Electrical Engg. Indian Institute of Science</td>
<td>Member</td>
</tr>
<tr>
<td>10</td>
<td>Dr.K.MALLIKHARJUNA BABU</td>
<td>Principal BMSCE, BENGALURU</td>
<td>Member Secretary</td>
</tr>
</tbody>
</table>
THE COMMITTEE STRUCTURE AND THE SCHEME OF DELEGATION OF THOSE COMMITTEES

The administration of BMSCE is overseen by the BOG, which normally meets four times in a year. The BOG has in place several Committees/Sub T Committees in addition to statutory and other committees to continuously monitor the academic and administrative activities of the Institution. The governance committees in place are as given below:

<table>
<thead>
<tr>
<th>STATUTORY COMMITTEES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1   S01</td>
</tr>
<tr>
<td>2   S02</td>
</tr>
<tr>
<td>3   S03</td>
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<tr>
<td>4   S04</td>
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<td>5   S05</td>
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<tr>
<td>6   S06</td>
</tr>
<tr>
<td>7   S07</td>
</tr>
</tbody>
</table>

S01. BOARD OF GOVERNORS (BOG)

Subject to the existing provisions in the Byelaws of respective Colleges and Rules laid down by the State Government, the Governing Body of Autonomous Colleges shall have powers to:

1. Fix the fees and other charges payable by the students of the College on the recommendations of the Finance Committee
2. Institute scholarships, fellowships, studentships, medals, prizes and Certificates on the recommendation of the Academic Council.
3. Approve institution of new programmes of study leading to degrees and/or diplomas.
4. Perform such other functions and institute Committees, as may be necessary and deemed fit for the proper development, and to fulfill the objectives for which the College has been declared as autonomous.

The Term of the BOG is two years, except for the UGC nominee whose term will be a full six years. The BOG has to conduct a minimum two meetings per year.

S02. ACADEMIC COUNCIL (AC)

It is the apex academic body of the college responsible for approval of schemes of study, syllabi, examinations and evaluation methods, declaration of results, recommendation of candidates to the University for award of degrees etc. it has a nominee of the University.
The functions of the Academic Council are shown hereunder;

1. Scrutinizes and approves the proposals with or without modification of the BoS. Provided the academic council differs on any proposal, it has the right to return the matter for re-consideration of the BOS or reject it after giving reasons to do so.
2. Can makes regulations regarding admission, sports, extra-curricular activities, maintenance etc.
3. Recommend/advise the Governing Body on proposals for Institution of new programme of study and other academic matters.
4. Recommend/advice regarding institution of scholarships, studentships, fellowships, prizes and medals etc.
5. Performs such other functions as may be assigned by the Government Body

The Principal shall convene a meeting of the Academic Council at least once in a year. The Committee comprises of the Principal, Heads of all Departments, Four Teachers of the College representing different categories of teaching staff by rotation on the basis of seniority of service in the College, Not less than four experts from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering etc., to be nominated by the Governing Body, Three Nominees of the University (VTU) and a faculty member nominated by the Principal (Member Secretary) The term of the nominated members shall be two years.

S03. BOARD OF STUDIES (BOS)

The college constitutes different Boards of Study for different branches of engineering. The BOS’s are responsible for framing of schemes of study and detailed curricula, academic rules etc. the BOS’s have a University nominee each. The term of the nominated members shall be two years. The BOS meets at least twice in a year. The functions of statutory bodies and co-ordinations are detailed below;

1. Prepares syllabi for various courses keeping in view the objectives of the College, interest of the stakeholders and national requirement for consideration and approval of the Academic Council.
2. Suggests methodologies for innovative teaching evaluation techniques
3. Suggests panel of names to the Academic Council for appointment of examiners; and
4. Co-ordinates research, teaching, extension and other academic activities in the department/college.

The BOS Comprises of the Head of the Dept.(Chairperson), Faculty members covering different specialization, Subject Experts from outside the college nominated by the Academic Council, Expert from outside College nominated by the Vice Chancellor, VTU, Representative from industry / corporate sector / allied area relating to placement nominated by the Academic Council and a Postgraduate meritorious alumni. The term of the nominated members shall be two years. The Principal of the college shall draw the schedule for meeting of the Board of Studies for different departments. The meeting may be scheduled as and when necessary, but at least once a year.
Board of Studies of the following Clusters also exist:

1. Electrical Cluster
2. Chemical Cluster
3. Computer Science Cluster
4. Mechanical Engineering
5. Industrial Engineering & Management
6. Architecture
7. Physics
8. Chemistry
9. Mathematics
10. Civil Engineering

S04. BOARD OF EXAMINERS (BOE)

The Board of Examiners of each programme in the college shall;

(a) Be responsible for all matters connected with planning and conduct of examinations and evaluation including periodical tests;

(b) Have powers to review and finalize examination results and to take remedial measures wherever considered necessary;

(c) Analyze the performances of students and report its findings to the Academic Council and the Governing Body for their consideration and necessary action, if any;

(d) May appoint sub-committees to assist in discharge of its functions

The BOE of each Department is composed of the Head of the Department as the chairperson and include 5-6 senior Faculty members and an external subject expert as applicable. The Principal in consultation with the Academic Council shall constitute the Board of Examiners for each programme. The meeting may be scheduled as and when necessary, but at least once a year.

The BOE of the following clusters exist:

1. Civil Engineering
2. Electrical
3. Chemical Engineering
4. Bio-Technology
5. Computer Science
6. Mechanical Engineering
7. Industrial Engineering & Management
8. Architecture
9. Physics
10. Chemistry
11. Mathematics & Humanities
S05. FINANCE COMMITTEE (FC)

Finance Committee is an advisory body to the Governing Body to consider:

- Budget estimates relating to the grant received/receivable from UGC, and income from fees, etc., collected for the activities to undertake the scheme of autonomy; and
- Audited accounts for the above
- Assessment of utilization of budget allocation; to compare the actual expenditure status with the budgets. Submit a detailed report on the utilization of budget to the BOG

The Committee should convene meeting at least twice in a year.

The finance committee is chaired by Principal and includes one person to be nominated by the Governing Body of the College for a period of two years, one senior teacher of the College to be nominated in rotation by the principal for two years and Additional member nominated by the Board. The committee has to conduct a minimum of two meetings per year.

S06. BOARD OF APPOINTMENTS (BOA)

The BOA has to conduct interview, assess the performance of the candidates by evaluating their candidature and recommend the candidates for recruitment to the BOG.

Separate BOA is constituted for Aided and Unaided Staff and Faculty. The BOA of the aided staff and Faculty is chaired by Donor Trustee & Member-Secretary BMSET and includes DTE, Ex-officio, Subject Experts, VTU Nominee (University), Concerned Head of the Department as members and Principal as the Member-Secretary. The Term of the Committee is three years and they meet as and when decided by the BOG.

S07. BUILDING & WORKS COMMITTEE (BWC)

The BWC has to consider and approve the new projects, review the proposals - planning & execution, review the construction and consider & approve the maintenance requirements of the buildings.

The committee is chaired by Dr. P. Dayananda Pai and Sri.K.Jairaj, IAS (Retd) who are Trustees of BMS Educational Trust. Dr.B.S.Ragini Narayan Donor Trustee & Member-Secretary, BMSET and Principal, BMSIT serve as members of the Committee and Principal BMSCE is the member-Secretary of the committee. The term of the committee is three years / as and when decided by the Trust and the committee has to conduct a minimum of 3 meetings in a year.
### OTHER COMMITTEES

<table>
<thead>
<tr>
<th>#</th>
<th>Code</th>
<th>Committee Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>C01</td>
<td>BOG Sub Committee for TEQIP II</td>
</tr>
<tr>
<td>9</td>
<td>C02</td>
<td>Sub Committee for Annual Performance Monitoring</td>
</tr>
<tr>
<td>10</td>
<td>C03</td>
<td>College Council (CC)</td>
</tr>
<tr>
<td>11</td>
<td>C04</td>
<td>College Core Committee (CCC)</td>
</tr>
<tr>
<td>12</td>
<td>C05</td>
<td>HODs Committee</td>
</tr>
<tr>
<td>13</td>
<td>C06</td>
<td>HODs Sub Committee for student activities</td>
</tr>
<tr>
<td>14</td>
<td>C07</td>
<td>Feedback Committee</td>
</tr>
<tr>
<td>15</td>
<td>C08</td>
<td>Departmental Academic Committee (DAC)</td>
</tr>
<tr>
<td>16</td>
<td>C09</td>
<td>Central Procurement Committee (CPC)</td>
</tr>
<tr>
<td>17</td>
<td>C10</td>
<td>Departmental Procurement Committee (DPC)</td>
</tr>
<tr>
<td>18</td>
<td>C11</td>
<td>Library Committee</td>
</tr>
<tr>
<td>19</td>
<td>C12</td>
<td>Grievance Redressal Committee (GRC)</td>
</tr>
<tr>
<td>20</td>
<td>C13</td>
<td>Women Cell (WC)</td>
</tr>
<tr>
<td>21</td>
<td>C14</td>
<td>Anti-Sexual Harassment Committee</td>
</tr>
<tr>
<td>22</td>
<td>C15</td>
<td>Sports &amp; Cultural Committee</td>
</tr>
<tr>
<td>23</td>
<td>C16</td>
<td>Hostel Committee</td>
</tr>
<tr>
<td>24</td>
<td>C17</td>
<td>Anti-Ragging Committee</td>
</tr>
<tr>
<td>25</td>
<td>C18</td>
<td>Vigilance Committee (Anti-ragging)</td>
</tr>
<tr>
<td>26</td>
<td>C19</td>
<td>Vigilance Squad (Anti-ragging)</td>
</tr>
<tr>
<td>27</td>
<td>C20</td>
<td></td>
</tr>
</tbody>
</table>

**C01. BOG SUB-COMMITTEE FOR TEQIP PHASE II**

The committee has the following Functions:

- To conduct periodical (quarterly) reviews to monitor the progress of the activities of TEQIP Phase-II and provide guidance for better implementation of the project;
- To monitor and accord approvals from time to time pending ratification by the BOG

The committee has 3 members. The term of the committee is three years / as and when decided by the BOG. The committee has to conduct Minimum 3-4 meetings per year and during exigency.
C02. BOG SUB-COMMITTEE FOR ANNUAL PERFORMANCE MONITORING

The committee has the following Functions:

a) To review & monitor the annual academic performance of the faculty
b) To advice the faculty on improvement of their academic performance
c) To advice the BOG on improving the academic performance of the faculty

The committee has 4 members. The term of the committee is two years and the committee has to conduct a minimum two meetings per year.

C03. COLLEGE COUNCIL (CC)

The CC has been constituted to discuss & approve academic / administrative matters of the college. The members are ex-officious and the committee should have a minimum of 4 meetings per year. The committee has 30 members.

C04. COLLEGE CORE COMMITTEE (CCC)

The committee has been constituted to discuss & approve academic / administrative matters of the college. The committee has 7 members and is chaired by principal. The members of the committee are ex-officious and should meet at least 6 times a year and during exigency.

C05. HODs COMMITTEE

The Committee has the following Functions:

a) To discuss & approve academic matters of the departments
b) To adopt common frame work, guidelines for the academic issues
c) To share the best practices adopted
d) To approve the semester calendar of events

The committee is composed of Principal, Vice principal, Dean (Academic) and HODs of various Departments. The Committee meets for a minimum of 9 times a year & during exigency.

C06. HODs SUB COMMITTEE FOR STUDENT ACTIVITES

The committee has the following functions:

a) To give proper attention / focus on the students participation in the extra-curricular activities;
b) To submit the monthly report during the HODs meeting
The term of the committee is adhoc and can conduct meetings as desired.

**C07. FEEDBACK COMMITTEE**

The committee has been formed for counseling faculty & monitoring the performance of faculty and the various divisions of the College. The committee includes Principal, Vice-principal, Dean (Academic), Dean (Management) and HODs of various departments. The term of the committee is 3 years and the committee has to conduct a minimum of two meetings per semester.

**C08. DEPARTMENTAL ACADEMIC COMMITTEE (DAC)**

The functions of the DAC includes

- Monitoring of all the academic activities of the department
- Monitoring CIE and Attendance
- To resolve any student issues related to academic requirements
- To recommend any new/innovative methods of TLP
- To take active part in the academic inspections (department level)
- To monitor the conduct of various FDPs & Student training activities
- Monitoring the Research Scholars progress (by way of seminars/reports)
- Curriculum Review and Revision
- Conduction of courses in the fast track semester
- Offering value added programs in the fast track semester
- Scrutinizing the applications received against advertisement for recruitment (new)
- The department shall maintain the minutes of the above meetings; A copy (either soft/hard) of the minutes shall be sent to the office of the Dean (Aca) within a week of conduct of the Meeting
- Any other issues related to the academic development of the department

The committee should meet once in every month and the term of the committee is two-three years

**C09. CENTRAL PROCUREMENT COMMITTEE (CPC)**

The Responsibility and Functions of the committee are as following:

a) Responsibility: The CPC shall ensure that the proposal has been made in accordance with guidelines of the TEQIP-II/Institution. The CPC shall verify that all the committees have accorded necessary recommendation.

b) Function: The CPC will review the proposal for its correctness in all respects. The CPC has to make its final recommendation for the approval of the proposal [Procurement Format PF-3] by the PRINCIPAL. After approval, the BMS-TEQIP Office shall generate the Purchase Order (PO) through PMSS. The PO duly signed by the Principal shall be sent to the concerned vendor and a copy to the
concerned HOD. It is the responsibility of the HOD to follow up the matter since it is time bound.

The CPC is composed of TEQIP Coordinators (2 members), Concerned HOD or Nominee of HOD, Nodal Officer – Finance, Nodal Officer- Procurement, AAO, Procurement Manager (TEQUIP and the Proposer. The term of the committee is for 3 years and the committee can meet as and when desired and directed by the TEQUIP.

C10. DEPARTMENTAL PROCUREMENT COMMITTEE (DPC)

The functions of the committee are as follows:

- Monitoring of all the infrastructure requirements of the department
- Annual Stock verification
- Recommending the departmental procurement needs [including funded projects]
- Proposing the annual budget requirements of the department
- Monitoring the expenditure (as per the budget)
- The department shall maintain the minutes of the above meetings; A copy (either soft/hard) of the minutes shall be sent to the office of the Vice-Principal within a week of the conduct of the said meeting.
- If necessary the Chairperson/HOD may invite external members on the panel by seeking prior approval.

The committee consists of the HOD, 2 Faculty Members, Procurement Manager, TEQUIP, Dept. procurement Co-coordinator and the Proposer. The term of the committee is 3 years and the committee meets as desired & directed by the TEQIP.

C11. LIBRARY COMMITTEE

The Library committee has 9 members comprising of faculty from all cadres and the Librarian. The committee oversees the functioning and the development of the Library. The term of the nominated members shall be of two years.

C12. GRIEVANCE REDRESSAL COMMITTEE (GRC)

In obedience to the AICTE Notification No.PG/07(01)/2012 dated 06.07.2012, the Institution has established a Grievance Redressal Committee (GRC) in the College for the purpose of Redressal of Grievance of students, parents and others. The Committee meets at least twice in a year other than the meetings held for any grievances received. The Committee strictly adheres to the regulations stipulated by AICTE. The GRC shall enquire into the application seeking Redressal of Grievance and submit its recommendations to the Principal for further needful action at his end. The Convenor of GRC shall call for a meeting as and when representation seeking Redressal is received. The GRC shall meet at least once in three months irrespective of whether any representation/complaint is received or not.
The term of the nominated members (6 members) shall be of three years. The Committee should convene meeting at least twice in a year other than the meetings held for any grievances received.

C13. WOMEN CELL (WC)

The College has established a Women Cell in the college campus to empower girl students and staff to enhance understanding of issues related to women and to make the college campus a safe place for women students. The cell aims at creating awareness of their rights and duties. It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves. The Committee convenes meeting at least twice in a year and as & when grievances are received. The committee has 6 members. The term of the nominated members shall be two years.

C14. ANTI-SEXUAL HARASSMENT COMMITTEE (ASHC)

To maintain gender equality and gender justice in all of its practices and to look into any complaints filed about sexual harassment at the Institute, an Anti-Sexual Harassment Committee (ASHC) has been constituted. The ASHC considers complaints of sexual harassment at work place. The Committee convenes meeting at least twice in a year other than the meetings held for any grievances received. The committee has 6 members. The term of the nominated members shall be two years.

C15. SPORTS & CULTURAL COMMITTEE

The Committee of 11 members with faculty representatives, Secretary, BMSETH, AAO, registrar and PED oversee the Sports and Cultural activities of the College. The term of the nominated members shall be of two years.

C16. HOSTEL COMMITTEE [HC]

The BMSET Hostel Committee is constituted for the purpose of taking active interest in general welfare of the students residing in the hostel and ensure maintaining their living standards. The Hostel functions under the administrative control of the Secretary and ably assisted by Wardens and staff. The following are some of the functions carried out by the Hostel Committee:

- Perusal of Annual Budget proposed, to suggest revision if necessary and grant approval
- Perusal of the Annual Audit Report & Audited statements of Hostel and Hostel Mess accounts, seek necessary clarifications and acceptance of the report.
- Makes policies/rules from time to time necessary on general administrative matters
- To approve developmental/improvement works taken up for the welfare of hostelites
- To consider/approve staff welfare measures proposed by the Hostel Administration
- The Hostel Committee is the final disciplinary authority. It sanctions/authorizes/initiation of disciplinary proceedings against employee/employees charged of misconduct. It is the final authority to impose punishment on employee for proved misconduct.
The Committee should convene meeting at least 2-3 meetings in a year. The term of the nominated members (9 members) shall be of two years.

**C17. ANTI-RAGGING COMMITTEE**

The Institution follows the policy of zero tolerance to ragging. Complying with the directives of the Hon’ble Supreme Court of India, the College has formed the anti-ragging committees and anti-ragging squads for college and hostels which work in coordination to ensure that the campus is free from the menace of ragging. Each student of the College and his/her parents and, or Guardian are required to submit an undertaking/affidavit in the prescribed format. The Anti-ragging committees & Anti-ragging squads effectively monitor and comply with the prescribed anti-ragging provisions.

The committee is chaired by Vice-Principal and has all HODs as Members. The Term of the committee is for two years and they shall meet as desired.

**C18. VIGILANCE COMMITTEE (ANTI-RAGGING)**

The responsibility of the Vigilance Committee is to ensure that students do not indulge in the act of ragging (students in groups within and near the Campus) in the departments, library, indoor stadium and hostels. The committee has 9 members. The term of the committee is for 2 years and they meet as desired.

**C19. FLYING SQUAD (ANTI-RAGGING)**

The responsibility of the Vigilance Flying Squad is to make anonymous random surveys and ensure that students do not indulge in the act of ragging in the campus and hostel. The committee has 7 members. The term of the committee is 2 years and the committee shall meet as desired.

**C20. EMPLOYEES FAMILY WELFARE FUND**

The Employees Family Welfare Fund Committee has been constituted with the following composition: Principal, Prof, Dean (TRG) & Director, ICD, Faculty representatives, Librarian, instructor, AAO and registrar (9 members). The term of the nominated members shall be of two years.
The **BOG** of the College is the supreme administrative body of the College. It ensures the achievement of mission and vision of the TRUST. It promotes future academic plans & research activities by providing a clear-cut direction for implementation, and overall monitoring of all activities. It supports the Head of the Institution in execution of its programmes. It approves the budgetary allocation towards infrastructure, staffing pattern, Research and Development etc. The Governing Body conducts four meetings in a year, with their minutes being uploaded on the institution’s website ([www.bmsce.ac.in](http://www.bmsce.ac.in)), so that the students and staff have appropriate access to information about the proceedings of their Governing Body meetings. Expected norms for the functions of various functionaries at BMSCE as approved by the Governing Body are made available to the stakeholders concerned in hardcopy form and also uploaded on the website of the Institution.

The **BOG** of BMSCE is individually and collectively responsible for overseeing the institution’s activities, determining its future direction, and fostering an environment in which the institutional mission is achieved. The **BOG** exercises the following powers:

1. Approve the Budget and Financial strategy of the Institution in accordance with the Institutions strategic plan and ensure apt usage of the allocated funds. Approve the audited annual financial statements. Ensure proper system of financial management with proper resource allocation and management.
2. Ensure transparency in procurement process; To direct and overseeing the internal and external audit.
3. Human resource Management; Responsible for institution’s human resources and employment policy which includes ensuring proper pay and employment conditions. Ensure appointments are made in clear, open and transparent manner. The Institution has an internal appeal and Redressal procedure. Develop strategy for staff retention.
4. Approve institution of new programmes of study leading to UG, PG and doctoral degrees.
5. Collectively and individually steward the Institution fulfilling its mission in tandem with its vision and mission.
7. Ensure that the meeting of the BOG are conducted in free and transparent manner.
8. Approve the policies and programmes of the institution and monitoring its effective implementation taking into cognizance the interest of the institution and stakeholders.
9. Maintain the highest ethical standards and not allow any conflict of interest.
10. Open to feedback and suggestions regarding improvement in governance.
11. Strategic management of the institution’s land and buildings. As part of this responsibility it identifies the property and space requirements, provides for a planned programme of maintenance. The Governing Body has put in place the Building and Works Subcommittee for this.
12. Risk Management, Control And Governance; effective risk monitoring mechanism both in terms of financial and well as academic management through

   a) An effective internal and external audit mechanism is in place.
   b) A well-knit strategic plan is in place. Allocates necessary resources to meet such plans. The Management monitors the strategic plan, both short term goals and long term goals, through periodical reviews (quarterly) of the implementation of strategic plan.
   c) The Academic Council, the highest academic body in the institution, is responsible for setting the academic standards, policies and procedures.
   d) Interaction with students and all stakeholders on continual basis
   e) Transparency in its governance
   f) Establish various committees/academic bodies/boards etc. to monitor the activities and make recommendations. Involve faculties in decision making process as part of these committees. The recommendations of the Committee are redressed by the Principal and seek approval of the Management on specific issues where such approval is mandated.

13. Health and Safety: The major responsibility for ensuring good health and safety of employees, students and other individuals. The BMS Trust Hospital supports the College in this regard. Insurance coverage is provided to Faculty staff and students.

14. Perform such other functions as may be necessary and deemed fit for the proper development, and fulfil the objectives of the college

OPENNESS AND TRANSPARENCY IN THE OPERATION OF GOVERNING BODIES

INSTITUTIONAL GOVERNANCE & MANAGEMENT

- The College has a strategic plan (2013-2020) in place. The Management periodically reviews the status of implementation.
- The governance is totally transparent. The faculty/staff are also being involved in the decision making process. There are several committees (both statutory and non-statutory) for maintaining effective and efficient governance of the institution.
- The College has a proper system for the financial management. Regular audits are being conducted by both internal and external auditors
- Governing body meeting is conducted in an open and fair manner. Faculty and student representatives are invited to participate in the proceedings of the BOG. The minutes of the meetings are also published in the College website (bmsce.ac.in).
- The departments have total academic/financial freedom. Each department has a strategic plan for their governance & development.
- The Institution has constituted an Internal Quality Assurance Cell (IQAC) to monitor/maintain quality in all its processes. The AQAR report is submitted to competent authorities after due review by the BOG
- Annual report is presented and discussed in the BOG. The same is published in the College website.
- Publishing the institutions audited financial statements on the institution’s website as information for the public.
LEADERSHIP & MOTIVATIONAL INITIATIVES

- Democratic functioning, defined Role and responsibilities, decentralization of responsibilities, Proper financial management & Academic Autonomy are some of the other motivational initiatives.
- Faculty / student representatives are invited to the Board Meetings. Transparency-minutes of the BOG are published in the College website.
- Senior faculty Members are made heads of various Academic/ Administrative committees in the capacity of a Chairman.
- The recruitments are made in fair and transparent manner by Board of Appointments (BOA).
- Orientation & pedagogical training session for the new faculty.
- Academic Audits by – Departmental Academic Committees & Institutional level Academic Audit Committees

PLANNING, MONITORING & RECORD KEEPING PRACTICES

- External and internal audits are carried out on a regular basis
- A proper system for the financial management and control by way of both internal and external audits is in place. The budget is prepared by the Head of the Departments and central heads and Principal. The BOG approves the annual institutional budget. Four funds (Corpus Fund, Staff development fund, Maintenance Fund, Equipment replacement fund) are established to ensure financial sustainability
- Involvement of Faculty in the decision making processes at various levels
- Proper upkeep of records & documents. Digitization of records (e-governance) e-governance- Admission process, Course registration, Elective registration and communication with the students are digitized and other student academic activities for academic and administrative processes are being customized (student profiles, CIE, SEE).

FOLLOWING RULES, REGULATIONS & TRANSPARENCY IN ACTIONS

- The Institution completely adheres to the guidelines for implementing of Academic Autonomy of VTU. The Credit System, Curriculum Framework, Assessment, Grading, Innovations are in line with the VTU Guidelines and relevant to the current day needs. The institution ensures transparency and quality by regular monitoring through internal committees & External bodies consisting of eminent experts.
- The scheme, syllabus, rules and regulations pertaining to teaching learning and evaluation, grading system along with academic calendar of events are made available in digital & print form to the students. In addition, a separate campus information booklet is provided to the students highlighting the above facilities along with student’s code of conduct and also published on the college web page. The Academic Calendar, Examination manual, Academic Rules & Regulation are also made available in the College website (www.bmsce.ac.in).
- Providing as much information as possible to students, faculty, the general public and potential employers on all aspects of institutional activity related to academic performance, finance and management including the mandatory disclosures on the institution’s website.
INITIATIVES FOR FACULTY/STAFF RECRUITMENT & RETENTION

- Recruitment of faculty and staff are being made through Board of Appointments (BOA). The retention rate of faculty/staff is high. This may be attributed to the academic ambience in the campus, opportunities for higher learning, Research and innovation, policies and procedures and various other staff welfare measures in place. Some of the staff retention measures are Medical Insurance Coverage, Family Welfare Fund, Incentive for Research Activities, Reward System for fetching External Grants, Educational grant for wards of employees, Vehicle Loan etc.

DECENTRALIZATION & DELEGATION OF POWERS/RESPONSIBILITIES

- The Institution maintains highest level of Probity in its affairs.
- Major Academic/Administrative decisions are being addressed by the College Council.
- Independent functioning of senior administrators of the institution - Vice-Principal, Deans, Controller of Examinations (COE).
- Delegation of academic/financial power to the Heads of the Departments is in place.

Any Best Practice [Organization & Governance]

- The BOG meets regularly. Normally, four meetings are held in an academic year. The members of BOG participate regularly and make active contributions for academic growth and development. The BOG members directly participate in various activities of the Institution and spend quality time to encourage the faculty, staff and students. The BOG adopts transparent governance mechanism.
- The Faculty representatives are invited to the Board Meetings.
- The BOG interacts with the students’ representatives and considers their views.
- The minutes of the BOG are published in the College website.
- Regular online student feedback.
- The Management monitors the implementation of strategic plan, both short term goals and long term goals, through periodical reviews.
- e-Governance with an aim to efficient and transparent administration, e-governance was introduced in all the Administrative and academic processes.
- The College publishes Academic Calendar for each session; publishes the examination schedule both CIE and SEE. Full transparency in all the processes right from the announcement of the examination up till the declaration of the results is maintained; proper monitoring of the conduct of examinations is in place for both Continuous Internal Evaluation (CIE) and Semester End Examination (SEE).
KEY ATTRIBUTES OF GOVERNING BODIES

High performing Governing Bodies have a keen sense of their role, responsibilities, ethics and duties. They understand clearly the high standards and quality expected by those inside and outside the institution, and how they should carry out their duties to safeguard the mission, objectives and reputation of the institution on whose Governing Body they serve. BMSCE GB follows this requirement to the extent possible.

The key attributes of BMSCE Governing Body are as follows:

Size of governing bodies

The nomination/appointment of members of the Governing Body and its Chairman are as prescribed in the Statutes of the University. The size of the Governing Body is such that it is able to carry out its primary accountabilities effectively and efficiently.

Skills, experience and competences

There is a balance of skills, experience and competences among governors - sufficient to enable the Governing Body meet its primary accountabilities and to ensure the confidence of its stakeholders and constituents.

Independent members

The Governing Bodies have a majority of independent members, defined as both external to and independent of the institution. The institutions, having autonomous status, is free from direct political interference in order to ensure academic freedom.

Appointments

The process for appointment of suitable staff is of critical importance to the future of an academic institution. The institution adopts a fair recruitment process. Detailed staff requirement analysis, effective advertisement, fair and transparent assessment of candidates forms the part of this effective process. A duly constituted Board of Appointments is in charge of the process.

Clarity of responsibilities

There is clarity in relation to the role and responsibilities of the Chairman of the BOG the head of the institution (Principal) and the administrators serving the governing body (as depicted in the Faculty & Staff Norms Book of the College)

Chair of the Board of Governors (BOG)

The Chairman of the BOG is responsible for the leadership of the Board and is, therefore, ultimately responsible for its effectiveness. The Chairman ensures the institution is well connected with its stakeholders.
Head of institution (Principal)

The head of an institution is responsible to the BOG for advice on strategic direction and for the management of the institution.

The head of the institution is accountable to the BOG, which makes clear, and regularly reviews, the authority delegated to him/her having regard also to that conferred directly by the instruments of governance.

Administrator to the governing body

The administrator (the member-secretary) supporting the BOG is responsible for ensuring compliance with all procedures and ensuring that papers are supplied in a timely manner with information in a form, and of a quality, appropriate to enable the BOG to discharge its duties and for recording the Board’s conclusions in a form which will aid their effective implementation. All members have access to the advice and services of the administrator to the BOG, and the appointment and removal of the administrator is a decision of the BOG as a whole.

Commitment

BOG meet sufficiently regularly and normally not less than four times a year, in order to discharge their duties effectively. Effective members of BOG attend regularly and participate actively.

Conduct

Individual members and BOG themselves, at all times conduct themselves in accordance with the standards of behaviour that the public should rightfully expect such as: selflessness, honesty, integrity, objectivity, accountability, openness and leadership.

BOG, and individual governors, exercise their responsibilities in the interests of the institution as a whole, and not as representatives of any constituency, company or organisation.

EFFECTIVENESS AND PERFORMANCE REVIEW OF GOVERNING BODIES

High performing governing bodies keep their effectiveness under regular review and ensure that their members are properly inducted and receive opportunities for further development as deemed necessary.

Effectiveness is measured against both an institution’s statement of primary accountabilities and its compliance with these guidelines. Structures and processes are revised accordingly, as part of the BOG’s on-going regular review processes.

In reviewing its performance, the BOG reflects on the performance of the institution as a whole in meeting its long-term strategic objectives and its short-term indicators of performance/success. They benchmark institutional performance against such indicators of performance and success of other comparable institutions.
REGULATORY COMPLIANCE

BOG ensure compliance with the statutes, ordinances and provisions regulating the institution, including regulations by Statutory bodies, such as the AICTE and UGC, as well as regulations laid out by the State government and affiliating university; and, subject to these, take all final decisions on matters of fundamental concern to the institution. The regulatory compliance includes demonstrating compliance with the ‘not-for-profit’ purpose of education institutions.

Effective governance has been ensured at BMSCE as a result of it being an integral part of the acts and statutes that considers autonomy and accountability.
Dear Sir/Madam,

The safety of students in and outside the campuses of technical institutions is a matter of paramount importance. A safe learning climate is an ineluctable precondition to quality education and research in Technical Education Institutions. It should be the prime concern of educational administrators across the Country to ensure that students are safeguarded against attacks, threats and accidents, both man-made and natural. In order to ensure safety of the students when the students are sent on educational tours, study tours, field visits, industrial visits, excursions etc., the Technical Institutions should adhere to certain precautions and norms.

With this in mind, the All India Council for Technical Education has formulated guidelines to ensure safety of the students when the students are sent on educational tours, study tours, field visits, industrial visits, and excursions etc., in AICTE approved Technical institutions and Universities including Deemed to be Universities imparting Technical Education. Copy enclosed. The guidelines have also been uploaded on the AICTE website www.aicte-india.org.

You are requested to kindly implement the AICTE guidelines in your Institution in the best interest of students. Action taken on the implementation of the guidelines may kindly be communicated to this Council from time to time.

Yours sincerely,

(Avinash S. Pant)

Copy for information and necessary action to:
1. The Principal Secretaries dealing with Technical Education and Directors of Technical Education of all State Govts/UTs.
Guidelines for Technical Institutions, Universities including Deemed Universities imparting technical education coming under the purview of AICTE for the students participating in educational tours, study tours, field visits, industrial visits, excursions or any other visits/tours.

1. The Head of the Institution should ensure and certify that the tour undertaken is required for the benefit of students or is related to the curriculum of the course in which such students are enrolled.

2. The Head of the Institution should ensure that security i-cards are issued to the students and maintain a separate data base of the personal details of such students participating in the tours. The i-cards should also contain the details of the parents/local guardian along with his/her contact telephone/mobile numbers. Automatic tracking system may also be provided, if possible for proper monitoring and better safety of the students and faculty participating in such tours.

3. The Head of the Institution should ensure that prior permission is obtained in advance from the institution/ organization/ company/ industry or the local Authority of the place to which such tour is being undertaken.

4. The Head of Institution should ensure that adequate insurance cover (accident and life cover) is provided for every student and faculty participating in such tours, at the institution’s cost. It will be the
responsibility of the Head of the Institution to provide all necessary help to the students who are part of such tours in case of emergency situations.

5. The Head of the Institution should ensure that a faculty member accompany the students on such tours. Further, a lady faculty should accompany if there are girl students participating in such tours.

6. The Head of the institution should ensure that written permission of one of the parents or the local guardian is obtained in a specific format for each such student wanting to participate in such tours. The Head of the Institution should also ensure that an undertaking is obtained from every participating student that they would abide by the rules and guidelines throughout such tours.

7. The Head of Institution should ensure that a medical fitness certificate of a recognized medical practitioner should be obtained for each student participating in such tours.

8. The Head of the Institution should ensure that the list of the students participating in such tours must be countersigned by accompanying faculty with the following undertaking that:

- he/she will take care of the students participating in the tour
- he/she would ensure that the students would abide by the rules and regulations of the institution/organization/company/
industry or the local Authority of the place to which such tours is being undertaken and

- he/she would be liable for disciplinary action if it is found that the safety of the students is compromised in any manner during the tour.

9. The Head of Institution may arrange training programme on leadership and basic life support and first aid for the faculty participating in such tours. A briefing session may also be organized before the tour to inform the students and the accompanying faculty about the details of the tour, rules and regulations to be followed during the tour. Students should also be informed about the need to follow the accompanying faculty instructions and safety guidelines during the tour. An orientation in the areas of team-spirit, discipline, manners and behavior, geographical knowledge of the area to be visited and safety measures to be followed may also be provided to the students and the faculty accompanying the students before proceeding to the tour.

10. The accompanying faculty should be aware of the health condition of each student in order to decide whether a student should or should not be allowed to take part in any particular activities based on his/her health condition. The accompanying faculty should also arrange medical assistance for any sick student by assisting him/her consult a doctor immediately.

11. The accompanying faculty must take note of the weather forecasts and news broadcasts of the place of visit. The accompanying faculty
should also bring along with them the necessary safety equipment such as first aid box, emergency phone numbers, torches, contact details of local hospital(s) etc.

12. Any activity in and around water bodies such as boating, swimming, rowing, and sailing must be carried out under the supervision of a trainer/life guard.

13. If the educational tour has more than 20 participants, efforts should be made to engage a local tour operator, wherever possible, who is well aware of the local conditions.

14. In the event of non-compliance of the student safety guidelines by the Technical Institutions, Universities including Deemed Universities imparting technical education coming under the purview of AICTE, the Council may take appropriate action after ascertaining the facts.
ALUMNI NETWORK ACTIVITIES REPORT

The BMSCE Alumni Network since its inception in 2012, has embraced its core purpose of bringing together and fostering constructive relations between the Alumni, students and faculty across all departments of BMS College of Engineering. Under the able guidance of the BMSCE Alumni Network’s Executive Committee headed by the Hon. President Dr. P. Dayananda Pai, who is also the Chairman of BMSCE and Trustee, BMSET; our beloved Donor Trustee Dr. B S Ragini Narayan from the family of the founders; Sri K Jairaj and our Working President Dr. K Mallikharajuna Babu, who is also the Principal BMSCE, the network has had the privilege of engaging over 13,600 alumni through social media and through the BMSCEAN portal (http://bmscealumni.net) in various ways. Alumni are engaged through knowledge sharing symposiums, webinars and guest lectures. Highlights of the past year’s activities of the BMSCEAN include:

Annual Alumni Day 2014: BMSCEAN annual alumni day is celebrated on the third Saturday of every December. In 2014, the event was successfully hosted on December 20th. The entire event was managed by the Alumni Network’s office bearers under the guidance of the Sub-Committee members. This included sending out invitations well in advance, opening registrations for the same, organizing the felicitation ceremony, entertainment and dinner arrangements. Alumni across all batches and branches were invited for a time of networking, reminiscence and catching up on the milestones of their very own alma mater. Some of our Alumni visited their departments in the morning to relive their campus days. Each department showcased proudly their achievements, their continuous improvements and the latest and greatest in syllabus and infrastructure which elicited praise and constructive feedback from visiting alumni. The Invocation, lighting of the lamp and welcome address was followed by the highlight for the event viz., the Felicitation ceremony of alumni from the 1950 to 1971 batches. Entertainment was provided by the musical band Swaralaya Amrutha, led by our alumnus Sudatta. The evening was concluded with a dinner on the college grounds.

Golden Jubilee Reunion of the 1965 batch of graduates: The alumni of the 1965 batches from the Electrical, Mechanical and Civil branches got together on the 2nd of May, 2015 at the B.S. Narayan Hall. The event was planned by the core alumni team with the aid of the Alumni Network. The program was presided over by Dr. K.M. Babu, Working President, BMSCE Alumni Network and also Principal, BMSCE. Chief guests included dynamic Professors of the 1965 batch of alumni, who were felicitated by their students (Alumni) in appreciation and deep gratitude for
having dedicated themselves to their profession as Professors and researchers. The emphasis of the Chief Guests such Dr. Narahari, Prof. Alasinger, Dr. Haranath, Dr. SR Krishnamurthy and Dr. GR Srinivasa was on focusing today’s research on experimentation rather than merely on theoretical ideation; This was an eye-opener for many of the alumni present. Each alumnus also took home a gift Mug, custom made as a memento for the 1965 Golden Jubilee Reunion. The event concluded grandly with a fellowship luncheon at the Multipurpose Hall, BMSCE grounds.

**Merit Scholarships Awards Ceremony (Odd Semester, 2014-15)** was held on the 4th of May, 2015 at the BMS Auditorium where meritorious students assembled along with their parents to receive their well-deserved awards. Since the scholarships are sponsored by the Alumni of BMSCE, the event was initiated and organized by the Alumni Network. Activities such as calling for award nominations from each department, finalizing the list of awardees, having certificates and cheques issued to each awardee and hosting the program was handled by the BMSCE Alumni Network. Chief guests of the event included Dr. GR Srinivasa (Alumnus Mechanical 1965) and Dr. K. Vijay Kumar (Alumnus Electronics 1978).

There were 55 Meritorious Students (from Odd semesters, 2014-15) who received the scholarships from across all departments of the college. Each received cheques for INR 10,000/- and a certificate of merit (totally INR 5,50,000/- was issued from the BMSCEAN corpus)

The proceeds of the BMSCEAN corpus has been utilized to provide cash scholarships to 273 meritorious students so far and scholarships amounting to Rs. 27.3 Lakhs

**Education Loan Facility:** The Network has generated a corpus of about Rs. 5.5 Crore till date, the proceeds of which has been utilized not only to provide cash scholarships but also to disburse education loans (39 in number and to the tune of INR 1.35 crore till date) for needy students to pursue both their Undergraduate and Post Graduate programs.

**IEM 1990 BATCH GET-TOGETHER: JULY 2ND, 2015:**

A group of Industrial Engineering and Management (IEM) alumni from the batch of 1990 met at the IEM department on the 2nd of July, to touch base with their alma mater once again after twenty five years of being successful and
productive citizens of society. The department of IEM headed by Dr. Rathanraj, along with our Principal Dr. K.M. Babu, welcomed the alumni and had a memorable as well as intellectually rewarding time of interaction.

CSE 1990 batch get-together: July 24th, 2015 (Silver Jubilee Reunion)

Alumni from the Computer Science Department had similar plans to meet for a reunion with their peers at their Silver Jubilee Year of being BMSCE Alumni. This event was organized and held at the BMS Auditorium on the 24th of July, 2015. Dr. KM. Babu, Dr. Guruprasad Head of Computer Science Engineering Department, and Dr. S.R. Krishnamurthy, Professor who taught the alumni graced the occasion with their kind words. The group of alumni walked down memory lane aided with hand-picked photo albums crafted by the alumni themselves. The nostalgia continued as the group toured their campus, classrooms and favorite cafeteria spots as part of their reunion program which concluded pleasantly with dinner at the Multipurpose Hall.

Graduation Day 2015: Batch of 2014 (B.Arch, B.E.)

The third Graduation Day ceremony was held on Sunday, 26th July at the Indoor Stadium, BMSCE Campus. The students that graduated included third autonomous batch of Engineering Graduates (2010 – 2014) and the second autonomous batch of Architecture Graduates (2009 – 2014). Communications to these young alumni was handled by the Alumni Network, while the event was managed by the Graduation day Organizing committee headed by the Dean of Management.

The ceremony was attended by 935 students with their families and the faculty. The graduation degree certificates were handed by the Honorable Chief Guest Dr. H Maheshappa, Vice Chancellor, Visvesvaraya Technological University, Belgaum in the presence of Dr. P Dayananda Pai, Chairman BOG, BMSCE, Dr. B.S Ragini Narayan, Donor Trustee, BMSCE, Sri K. Jayaraj, IAS (Retd.), Trustee, BMS Education Trust, and Dr. K. Mallikharjuna Babu, Principal, BMSCE.
BMSCEAN Newsletters: the Alumni Network of BMSCE publishes a quarterly e-newsletter which is circulated to all the registered alumni of the Network. Volumes 6-9 have been released which have included highlights of alumni events, campus news and relevant department news, published for the benefit of alumni in order to keep them in touch with their alma mater regardless of their location and year of graduation.

BMSCEAN Portal:

The newly renovated portal for BMSCE Alumni has been functional since May 2015. The Network has since organized fun campaigns, and kept the portal up to date with the latest happenings at the college level, in order to spur networking through our portal itself.

Alumni Donations and Sponsorships:

Alumni from various professions have generously donated towards the BMSCE Alumni Network. Our thanks extends to all our sponsors among whom the below have made the most recent contributions (December 2014 till date):

- Col. H.S. Shankar 1964 Mechanical: Platinum sponsor for the ICTIEE 2nd International Conference held in Jan 2015
- Mr. Akarsha N S: 2008 Mechanical: Donation towards SAE eBaja event
- Mr. Vasuki R. Nijagal: 1973 Mechanical: Donation towards BMSCEAN Merit Scholarship (one in number)
- Dr. G R Srinivasan: 1965 Mechanical: Donation towards BMSCE Alumni Network
- Mr. B V S Murthy: 1955 Civil: Donation towards BMSCE Alumni Network