

## ACADEMIC YEAR 2015-16

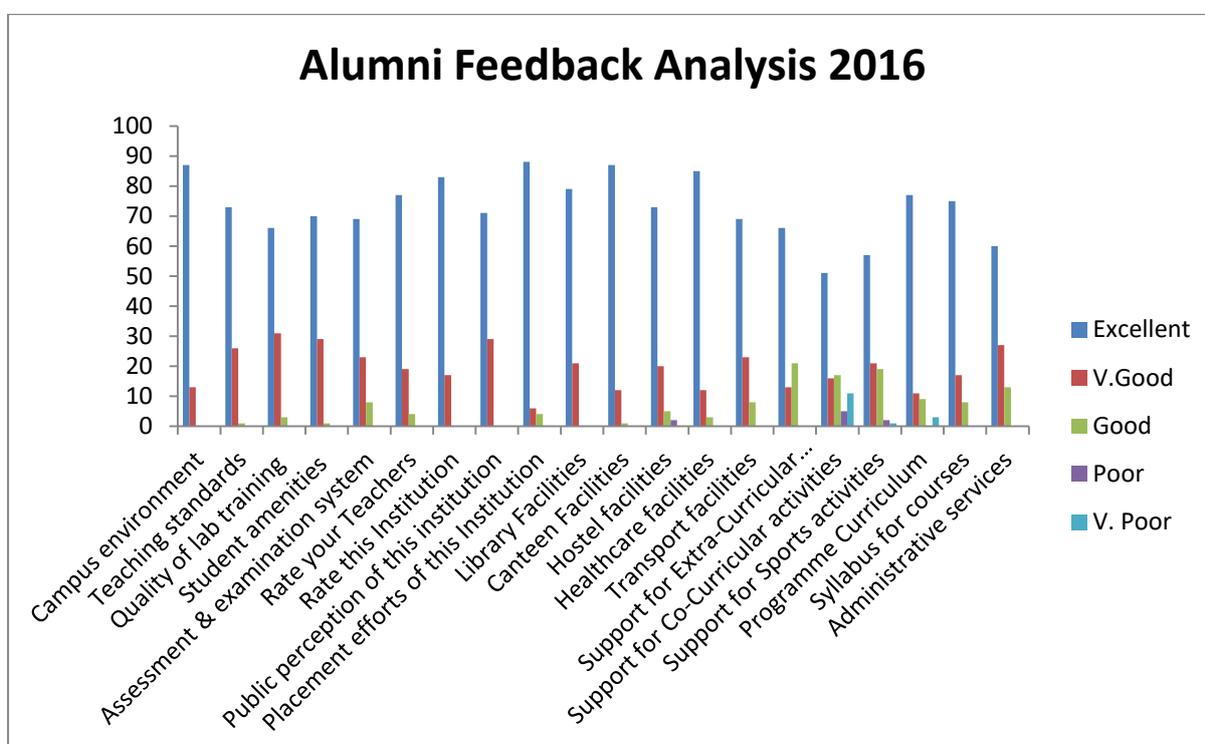
### Feedback from Alumni: Analysis Report

Date: 18.07.2016

No. of Respondents: 565

a. During convocation feedback were received from Alumni in the following parameters:

- ❖ Campus environment
- ❖ Teaching standards
- ❖ Quality of lab training
- ❖ Student amenities
- ❖ Assessment & Examination system
- ❖ How would you rate the Teachers
- ❖ How would you rate this Institution
- ❖ Public perception of this institution
- ❖ Placement efforts of this Institution





- ❖ Library facilities & canteen facilities
- ❖ Hostel and health care facilities
- ❖ Transport facilities
- ❖ Support for extra-curricular activities
- ❖ Support for co-curricular activities
- ❖ Support for sports activities
- ❖ feedback on Programme curriculum
- ❖ feedback on syllabus content of courses
- ❖ Administrative services

	<b>Excellent</b>	<b>V.Good</b>	<b>Good</b>	<b>Poor</b>	<b>V. Poor</b>
Campus environment	87	13	-	-	-
Teaching standards	73	26	1	-	-
Quality of lab training	66	31	3	-	-
Student amenities	70	29	1	-	-
Assessment & examination system	69	23	8	-	-
Rate your Teachers	77	19	4	-	-
Rate this Institution	83	17	-	-	-
Public perception of this institution	71	29	-	-	-
Placement efforts of this Institution	88	6	4	-	-
Library Facilities	79	21	-	-	-
Canteen Facilities	87	12	1	-	-
Hostel facilities	73	20	5	2	-
Healthcare facilities	85	12	3	-	-
Transport facilities	69	23	8	-	-
Support for Extra-Curricular activities	66	13	21	-	-
Support for Co-Curricular activities	51	16	17	5	11
Support for Sports activities	57	21	19	2	1
Programme Curriculum	77	11	9	-	3
Syllabus for courses	75	17	8	-	-
Administrative services	60	27	13	-	-

**Note:**

- Alumni appreciated the significant parameters viz. teaching standards, assessment & examination system, library facilities, programme curriculum & syllabus for the courses across the institution holistically.

The other suggestions offered by the Alumni are :

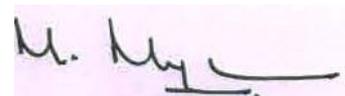
1. Introduce courses giving emphasis on Robotics.
  2. Modify the theory courses in to theory cum hands on training courses
  3. More Value Added Courses to be provided from 3<sup>rd</sup> year of study onwards
  4. Placement training needs further improvement.
  5. Include more soft skills and technical subjects in the syllabus
- b. In addition, **alumni are also part of Board of studies of departments / schools and School level advisory committee** meetings which was held during May – June 2016. Their views were well received and considered in the respective bodies.

Annexure I :

- ❖ Minutes of School level advisory meeting of Department of Civil Engineering which was held on 28.06.16 showing evidence for participation of parents in the meeting.
- ❖ Minutes of 12<sup>th</sup> meeting of BoS of ECE department which was held on 12.07.16 showing participation of parents.

c. Holistically, the following suggestions were taken for consideration:

- ❖ Introduction of new professional and general electives.
- ❖ More skill based elective courses / courses focussing on emerging trends.



**Dean, Academic Affairs**

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**Annexure - I**

**B.S. ABDUR RAHMAN UNIVERSITY**

**Vandalur, Chennai - 600048**

**SCHOOL OF INFRASTRUCTURE**

**DEPARTMENT OF CIVIL ENGINEERING**

**Minutes of the School Advisory Committee Meeting**

**Venue : Seminar Hall, Department of Civil Engineering**

**Date & Time : 28.06.16, 10 a.m.**

The meeting of the School Advisory committee of School of Infrastructure was held on 28.06.16, at 10.00 a.m in the Seminar Hall, Department of Civil Engineering, B.S. Abdur Rahman University. The following members were present.

**Expert Members**

- Dr. G. M Samuel Knight, Former Professor & Head, Structural Engineering Division, Director CPDE, CEG, Anna university
- Dr. M. Helen Shanthi, Professor & Programme Chair, M.Tech. Structural Engineering, VIT, Chennai Campus
- Mr. S. Subramaniam, Chief Consultant, M/S. Kannimar Consultants, Chennai.
- Ms. K. Revathi, DGM (Tender), M/S. ECCI Pvt. Ltd., Chennai

**Internal Members**

- Dr. M.S. Haji Sheik Mohammed, Dean, School of Infrastructure & Convenor
- Dr. P. Vasanthi, Professor & Head, Department of Civil Engg.
- Dr. J. Revathy, Professor
- Dr. P. Gajalakshmi, Associate Professor
- Dr. V. Vandhana Devi, Associate Professor
- Dr. K. Yogeswari, Associate Professor
- Ms. S. Mahalakshmi, Assistant Professor
- Ms. V. Roopa, Assistant Professor
- Mr. K. Jagadeesh, Assistant Professor

**Parent Invitees**

Mr. R. Murugesan

Mr. S.S. Akbar Sha

**Alumni**

Ms. Dyana Josline, Ph.D. Scholar, IIT Madras

Ms. D. Gunasri, M.Tech. CEPM

**Student Representatives**

Ms. J. Ranina Jeyanthi, M. Tech. CEPM (II year)

Mr. J. Mohamed Musthafa, , M. Tech. CEPM (II year)

Mr. D.Goutham, , M. Tech. CEPM (II year)

Mr. Mir Hasnain Ali Razvi, B.Tech.(IV year)

Mr. Muhammad Uzair Dulvi, B.Tech.(IV year)

Note : Dr. M.V. Molykutty, Professor, Department of Civil Engineering expressed her inability to attend the meeting due to pre assigned works.

Dr. M.S. Haji Sheik Mohammed, Chairman, School Advisory Committee, extended a cordial welcome to all the members. He briefed the members about the salient features of the Department of Civil Engineering, B.S. Abdur Rahman University, various programmes offered and recent achievements. After the introductory remark, the agenda items were taken up for discussion by the members of the School Advisory Committee.

**Agenda No. 1**

- M.Tech. Structural Engineering - Curriculum and Syllabus Revision

The proposed curriculum & syllabi which was coined after detailed deliberations in the department level meetings is presented before the committee. The following suggestions were received from the committee members after detailed discussions.

- ❖ The course "Research Methodology" can be removed from the curriculum since this will be helpful for students who were going to pursue Ph.D. programme. The M.Tech. students will not benefit much as it consumes one programme specific core course or professional elective.
- ❖ The course 'Seminar' can be included the II semester curriculum instead of design project.

- ❖ The course 'Experimental Techniques and Instrumentation' can be offered as 3 credit course with 2 lecture hours and 2 practical hours per week.
- ❖ The course 'Seminar' can be introduced in the II semester curriculum instead of 'Design project'. Since it is felt that students are going to perform 'Project Phase I' in 3<sup>rd</sup> semester and fourth semester is completely devoted for 'Project phase II', an additional 'Design Project' course in the 2<sup>nd</sup> semester is not required.
- ❖ The course 'Finite Element Method for Structural Engineering' can be offered as 3 credit course with 2 lecture hours and 2 practical hours per week.
- ❖ The course 'Design of Substructures' which is found in the programme core can be moved to professional electives to facilitate accommodating programme specific courses.
- ❖ The knowledge on software such as ETABS and STAADPro to be included in the syllabi of relevant courses so that to mould the students employable.
- ❖ A course deals with intense structural analysis & detailing to be introduced.
- ❖ One month internship at the end of 2<sup>nd</sup> semester study is really necessary to have feel on construction site conditions and to be augmented.
- ❖ Professional elective courses to be reviewed completely. The courses not popular among the students / not opted by students continuously shall removed and additional elective courses to be introduced.
- ❖ The syllabus content of courses repeatedly opted by the students to be critically reviewed and fine tuned / modified.
- ❖ Reference book details given for every course to be reviewed and latest editions to be included.

## Agenda No. 2

- M.Tech. Construction Engineering & Project Management – Curriculum and Syllabus Revision

The proposed curriculum & syllabi which was formed after detailed deliberations in the department level meetings is presented before the committee. The following suggestions were received from the committee members after detailed discussions.

- ✘ In the first semester curriculum, the basic courses such as modern construction materials and practices and project management to be introduced.

- ✘ The course 'Construction Quality and Safety Management' which is found in the 1st semester curriculum shall be moved to higher semester.
- ✘ The course 'Project appraisal and formulation' can be renamed as 'Construction Economics'.
- ✘ Professional elective courses to be reviewed completely. The courses not popular among the students / not opted by students continuously shall be removed and additional elective courses to be introduced.
- ✘ The syllabus content of courses repeatedly opted by the students to be critically reviewed and fine tuned / modified.
- ✘ Reference book details given for every course to be reviewed and latest editions to be included.

### Agenda No. 3

- B.Tech. Civil : Curriculum & Syllabus - Overview

The committee reviewed the entire curriculum and syllabus frame work of B.Tech. Civil Engineering programme and satisfied with the selection of core courses and composition of elective courses.

It is felt that the course 'Industrial Internship' in the seventh semester shall be removed from the curriculum.

### Agenda No. 4

- Review of Vision & Mission of the Department, Programme Educational Objective & Outcome of B.Tech. Civil, M.Tech. SE & CEPM.

The committee reviewed the Vision & modified Mission of the Department, PEO's & Modified Programme outcome of B.Tech. Civil Engineering, M.Tech. Structural Engineering and M.Tech. Construction Engineering & Project Management. The committee suggested minor modifications and in general satisfied with the content and frame work.

It is also emphasized to visit the vision & mission, Programme PEO's & PO's of leading academic institutions worldwide for further fine tuning.

### Agenda No. 5

Any other Matter

- One Month Compulsory Internship for B.Tech. Students
- Compulsory Internship for M.Tech. Students

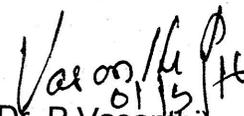
- Laboratory Oriented Theory Courses – Syllabus Design & Evaluation issues
- Project Based Learning – More insight
- Compulsory publication for M.Tech. Students
- One credit / two credit courses – Practical issues

The suggestions came out after detailed deliberations are as follows:

- One month compulsory industry internship for B.Tech. Students is not warranted since they are expected to do the site oriented job after their graduation. Moreover industry did not expect the same from the fresh graduate.
- Compulsory industrial internship for M.Tech. students is emphasized. Since mostly they will be working in design office / construction management firms, one month internship will make them appreciate different activities going on in a construction site.
- The concept laboratory oriented theory courses is well received. The necessity of aligning modulus of syllabus with associated lab classes to be done after meticulous exercise.
- The concept of project based learning is well received. Monitoring mechanism to ensure implementation is emphasized.
- The students can be insisted to present their project work in the national or international conferences rather than publishing in journals. since publishing in reputed journal will take long time and practically not possible to complete within the programme period.
- In the case of one credit and two credit course, faculty workload shall be considered based on contact hours and not to be considered as single course.

At the end of the meeting, feedback was received from the stakeholders on PEO's & Program outcome, curriculum & syllabus content, industrial relevance of courses offered etc.

Date : 01.07.16

  
(Dr. P. Vasanthi)  
HOD /Civil Engg.

  
(Dr. M.S. Haji Sheik Mohammed)  
Dr. ~~Dr. M.S. Haji Sheik Mohammed~~ MOHAMMED  
Ph.D., M.S., M.ASCE, M.SAEST, M.ICI  
Professor & Dean,  
School of Infrastructure  
B.S. Abdur Rahman University  
Vandalur, Chennai, INDIA

✓ Copy to : Dean (Academics)

**Annexure - I**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
**B. S. ABDUR RAHMAN UNIVERSITY, CHENNAI 600048**



**Minutes of the Twelfth meeting of the ECE Board of Studies**

Venue : Seminar Hall, ECE Dept.

Date & Time : 12.07.2016, 10 a.m.

**Item 12.1 To consider and approve the revision of the Programme Objectives, Programme Outcomes, course Objectives and course outcomes for B.Tech (ECE) programme**

The program objectives were revised and the course objectives as well as outcomes were modified for B.Tech (ECE) programme and the same is given in the **Annexure I**.

It was resolved to approve the item and recommend the same to the Academic Council of the University.

**Item 12.2 To consider and approve amendments to Syllabi of B.Tech (ECE) programme**

**To consider and approve the inclusion of professional elective course in B.Tech (Electronics and Communication)**

1. Professional elective ECBX18 Image processing offered under signal processing stream is included as an elective course in both RF Communication and VLSI & Embedded Systems streams. ✓

The syllabus of the above course is given in the **Annexure II**.

**Item 12.3 To consider the ratification and approve amendments to Syllabi of General Elective Course offered by ECE department for all B.Tech programmes**

1. The following courses were introduced by the ECE department as General Electives for all B.Tech programmes, during June 2016 to July 2016 summer term.

- (i) GEBX07 VLSI Design
- (ii) GEBX58 Embedded Systems

The BoS has ratified the inclusion of the above general electives and recommend the same to the Academic Council of the University.

The syllabus for the above courses is given in the **Annexure III**.

① **Item 12.4 To consider and approve the Program Educational Objectives, Program Outcomes of M.Tech Communication systems**

After due deliberations, It was resolved to approve the program educational objective and program outcomes for regulation 2016 M.Tech Communication Systems programme and provided in **Annexure IV**.

It was resolved to approve the item and recommend the same to the Academic Council of the University.

① **Item 12.5 To consider and approve the introduction of the new curriculum of M.Tech (Communication Systems) programme**

After due deliberations, It was resolved to approve the curriculum structure for the regulation 2016 M.Tech Communication Systems programme and provided in **Annexure IV**.

It was resolved to approve the item and recommend the same to the Academic Council of the University.

**Item 12.6 To consider and approve the syllabi for M.Tech (Communication Systems) Programme**

The following suggestions were made by the BoS members:

1. ECC6101 Mobile Communication Networks is made as an integrated lab course of four credits.
2. The course ECC6103 Advanced Digital Communication Techniques is introduced as lab integrated course with 4 credits including OFDMA concepts.
3. Topic on Li-Fi is included in the course ECC6201 Optical networks.
4. New topics on strip line antennas, antenna array design control using baseband techniques is included in the course ECC6202 Advanced Radiation Systems.
5. Topics on augmented reality, Virtual reality, Real time Image Processing is included in the course ECCY001 Digital Image processing .
6. Nonlinear estimation and detection is included in the course ECCY032 Statistical signal processing.

All the above suggestions were incorporated in the syllabus and are given in **Annexure IV**.

It was resolved to approve the item and recommend the same to the Academic Council of the University.

**Item 12.7 To consider and approve the Program Educational Objectives, Program Outcomes of M.Tech VLSI & Embedded Systems**

After due deliberations, It was resolved to approve the program educational objective and program outcomes for regulation 2016 M.Tech VLSI & Embedded Systems programme and provided in **Annexure V**.

It was resolved to approve the item and recommend the same to the Academic Council of the University.

**Item 12.8 To consider and approve the introduction of the new curriculum structure of (VLSI and Embedded Systems) programme**

① After due deliberations, It was resolved to approve the curriculum structure for the regulation 2016 M.Tech (VLSI and Embedded Systems) programme and provided in **Annexure V**.

It was resolved to approve the item and recommend the same to the Academic Council of the University.

**Item 12.6 To consider and approve the syllabi for M.Tech (VLSI and Embedded Systems) programme**

① The following suggestions were made on the content of the syllabus of certain courses by the External members;

1. In ECC6223 Analog Integrated Circuit Design, topic on FLL is introduced.
2. Model based design is included in the course ECC6224 VLSI Physical Design Automation Lab.
3. Implementation of FFT is included in the course ECCY054 VLSI digital signal processing.
4. Automatic gain control is included in ECCY055 RF Integrated circuit design.
5. In ECCY067 Embedded Networking, USB and Wi-Fi standards are included.

6. Topic on CAN analyzer is included in the course ECCY068 Control Area network.

All the above suggestions were incorporated in the syllabus and are given in **Annexure V.**

It was resolved to approve the item and recommend the same to the Academic Council of the University.

  
12/2/16  
Dr.C.Tharini

Chairman, BoS

**Encl:**

- Annexure I** Revised Programme Objectives, Programme Outcomes, course Objectives and course outcomes for B.Tech (ECE) programme
- Annexure II** Syllabus of professional elective course ECBX18 Image processing included for all the streams of B.Tech (ECE) programme
- Annexure III** Syllabus of General Electives GEBX07 and GEBX58 included for all B.Tech programmes offered by the ECE department
- Annexure IV** Revised Program Educational Objectives, Program Outcomes, Curriculum structure and syllabus of M.Tech Communication systems
- Annexure V** Revised Program Educational Objectives, Program Outcomes, Curriculum structure and syllabus of M.Tech VLSI & Embedded Systems