

**Charotar University of Science & Technology
Chandubhai S. Patel Institute of Technology
V. T. Patel Department of EC Engineering**

Year 2015-16

Analysis and Action Taken on Feedback on Curriculum by Stake Holders

Suggestions Given:

- 1) Up gradation of Syllabus
- 2) More Emphasize on Project work

Action Taken:

- 1) It has been approved in 12th BoS meeting that Contents of Courses are revised as per industrial requirements.(Annexure-I)

Certified By:



CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
FACULTY OF TECHNOLOGY & ENGINEERING
Department of Electronics and Communication Engineering

Minutes – 12th Meeting of Board of Studies

Date : September 3, 2016, Saturday

Time : 10:00 am

Venue : Room 235 Multimedia Room, EC Department, CSPIT, FTE, CHARUSAT Campus

The meeting of the 12th Board of Studies, Department of Electronics and communication Engineering, Faculty of Technology & Engineering, Charotar University of Science and Technology (CHARUSAT) was held as per schedule.

Following members were present:

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|----|-----------------------|------------------|--|
| 1. | Dr. Trushit Upadhyaya | Chairman; | Associate Professor & Head, Department of E&C Engineering, CSPIT |
| 2. | Dr. Hiren Mewada | Member | Associate Professor, Department of E&C Engineering, CSPIT |
| 3. | Prof. Rachna Jani | Member | Associate Professor, Department of E&C Engineering, CSPIT |
| 4. | Prof. Brijesh Shah | Member | Associate Professor, Department of E&C Engineering, CSPIT |
| 5. | Dr. S. K. Hadia | Member | Associate Professor, Department of E&C Engineering, CSPIT |
| 6. | Mr. Upesh Patel | Member | Assistant Professor, Department of E&C Engineering, CSPIT |
| 7. | Dr Sanjeev Gupta | Member | Professor & Dean (R&D), DAIICT, Gandhinagar. |
| 8. | Dr. Amit Bhatt | Member | Associate Professor, DAIICT, Gandhinagar |
| 9. | Mr. Jignesh Patel | Member | Sr. Engineer, ABB Corporation, Baroda |

Following members were absent due to preoccupation:

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|---|---------------------------|---------------|---|
| 1 | Dr. Niranjana Devashrayee | Member | Professor, Nirma University, Ahmedabad |
| 2 | Mr. Tarun Makwana | Member | Sr. Technical Lead, Einfochips, Ahmedabad |

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Agenda Proceedings & Resolutions:-

1. **Item 12.01: For Discussion:** To approve the teaching & examination scheme of B. Tech – Electronics & Communication (EC) Engineering program under Choice Based Credit System (CBCS) for 3rd to 8th Semester.

Proceedings 12.01:

- Board of Studies members reviewed and discussed teaching & examination scheme of B.Tech – EC program under Choice Based Credit System (CBCS) for 3rd to 8th Semester.

Resolution 12.01:

- The Board approved the teaching & examination scheme of B. Tech - EC program under Choice Based Credit System (CBCS) for 3rd to 8th Semester.
 - The teaching and examination scheme along with modified syllabus are attached as **Annexure I.**
2. **Item 12.02: For Discussion:** To review and approve the detailed syllabus of 1st and 2nd year B. Tech program under CBCS

Proceedings 12.02:

- Following modifications are incorporated in B.Tech CBCS for 2nd Year after suggestion from course teachers and board members

Sr. No.	Old Course Code	New Course Code	Course Name	Remarks
1.	EC201.01	EC241	Digital Electronics & Logic Design	<ul style="list-style-type: none">• The syllabus was modified as per the suggestions of course teachers and experts.• Theory contact hours were reduced from 4 to 3.
2.	EC202.01	EC242	Network Theory	<ul style="list-style-type: none">• The syllabus was modified as per the suggestions of course teachers and experts.• Theory contact hours were reduced from 4 to 3.
3.	EC203.01 & EC204.01	EC243	Electronic Devices & Measurement	<ul style="list-style-type: none">• 2 Subjects were merged as per the suggestion of course teacher and experts.

				<ul style="list-style-type: none"> Theory hours were increased from 3 to 4.
4.	EC212	EC244	Mini Project-I	<ul style="list-style-type: none"> syllabus content changed as per industrial requirements based on suggestions from experts.
5.		EC281	Introduction to MATLAB Programming	<ul style="list-style-type: none"> University Elective subject
6.	EC207.01	EC245	Control Systems	<ul style="list-style-type: none"> There is no change in syllabus content & Teaching Scheme..
7.	EC208.01 & EC302.01	EC246	Analog Circuits & Applications	<ul style="list-style-type: none"> 2 Subjects were merged as per the suggestion of course teacher and experts. Theory hours were increased from 3 to 4..
8.	EC209.01	EC247	Microprocessor & Interfacing	<ul style="list-style-type: none"> There is no change in syllabus content & Teaching Scheme..
9.	EC210	EC248	Analog Communication	<ul style="list-style-type: none"> There is no change in syllabus content & Teaching Scheme..
10.	EC213	EC249	Mini Project-II	<ul style="list-style-type: none"> syllabus content changed as per industrial requirements based on suggestions from experts.
11.		EC282	Prototyping Electronics with Arduino	<ul style="list-style-type: none"> University Elective Subject

Resolution - 12.02:

- The Board members gave consent to continue with detailed syllabus for 2nd Year under CBCS after incorporating suggested modifications.
 - The teaching and examination scheme & detailed syllabus are attached as **Annexure II**.
- 3. Item 12.03: For Discussion:** To approve the teaching & examination scheme & syllabus of M.Tech programme under Choice Based Credit System (CBCS) effective from academic year 2016-17.

Proceedings 12.03:

- In M.Tech – Communication System Engineering (CSE) and Embedded System & VLSI Design (EVD) following **University Electives** has been added.

Course Code	Semester 1 (University Elective I)	Course Code	Semester 2 (University Elective II)
MA771	Reliability and Risk Analysis	EE782	Energy Audit and Management
EE781	Optimization Techniques	CE771	Project Management
ME781	Occupational Health and Safety	IT771	Cyber Security and Laws
CE770	Research Methodology	CA842	Mobile Application Development
CA730	Internet and Web Designing	PT796	Fitness and Nutrition
PT795	Health and Physical Activity	NR752	Epidemiology and Community Health
NR751	Women's Health	OC733	Introduction to Polymer Science
RD701	Introduction to Analytical Techniques	MB651	Software based Statistical Analysis
RD702	Introduction to Nanoscience and Technology	PH826	Intellectual Property Rights
MB650	Creative Leadership	MA772	Design of Experiments
PH825	Community Pharmacy Ownership		

Resolution - 12.03:

- The Board approved M.Tech (CSE & EVD) teaching & examination scheme along with revised syllabus effective from Academic Year 2016-17.
- The teaching and examination scheme along with modified syllabus are attached as **Annexure III**.

4. **Item 12.04:** For Discussion: To approve the teaching & examination scheme & syllabus of M.Tech programme under Choice Based Credit System (CBCS) effective from academic year 2017-18

Proceedings 12.04:

- **Modification in Syllabus of M.Tech Programme**

Sr. No.	Course Code	Course Name	Remarks
1.	EC749	CMOS VLSI Design - 1	<ul style="list-style-type: none">• Analog part has been removed• Digital design application based content has been added
2.	EC768	Digital Image and Speech Processing	<ul style="list-style-type: none">• Image and Speech processing are separated as new subjects• "EC769: Digital Image and Video Processing" which would be offered as Cluster Elective subject• "EC765: Digital Speech Processing" would be offered as Programme Elective subject
3.	EC752	VLSI Design Verification & Testing	<ul style="list-style-type: none">• Verification content removed• Verilog content introduced

Resolution - 12.04:

- The Board approved teaching and examination scheme and detailed syllabus for M.Tech (CSE & EVD) for the academic year 2017-18 CBCS scheme which are attached as **Annexure IV**.

5. **Item 12.05: For Discussion:** To review and approve the detailed syllabus of 3rd year B.Tech programme for a batch of 2015 intake

Proceedings 12.05 :

- There were no modifications suggested by course teachers in 3rd year syllabus for 2015 intake batch.

Resolution - 12. 05:

- Board approved teaching & examination scheme and syllabus of 3rd year for 2015 intake batch. The teaching and examination scheme is attached as **Annexure V**.

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6.Item 12.06: For Discussion; To review and approve the detailed syllabus of 4th year B.Tech programme for a batch of 2014 intake.

Proceedings 12.06:

- There were no modifications suggested by course teachers in 4th year syllabus for 2014 intake batch.

Resolution 12.06:

- Board approved teaching & examination scheme and syllabus of 4th year B.Tech programme of 2014 intake batch. The teaching and examination scheme is attached as **Annexure VI.**

7.Item 12.07: For Discussion; Discussion on implementation of Outcome Based Education (OBE) and ICT based Teaching-Learning

Proceedings 12.07:

- Dr. Trushit Upadhyaya presented details of Outcome Based Education (OBE) with Course Outcome (CO), Programme Outcome (PO), Programme Educational Outcome (PEO) and Graduate Attributes (GA).

Resolution 12.07:

- Board gave few suggestions to incorporate in Programme Education Outcomes. Detailed document regarding same is attached as **Annexure VII.**

8.Item 12.08: For Discussion; Discussion regarding NBA Accreditation Application

Proceedings 12.08:

- Dr. Trushit Upadhyaya discussed about NBA prequalifier form submission. Board appreciated that all essential and desirable parameters were complied by department.

Resolution 12.08

- Submitted NBA Prequalifier form document is attached as **Annexure VIII.**

9.Item 12.09: For Discussion; Introducing the new PG program in Electronics & Communication Engineering

Proceedings 12.09:

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- Proposed teaching and examination schemes for two new PG programme, M.Tech in Satellite communication and M.Tech by Research Programme were discussed.

Resolution 12.09

- Board gave approval to commence M.Tech by Research and M.Tech in Satellite Communication programmes.
- Teaching and Examination scheme for M.Tech in Satellite Communication and Detailed document for M.Tech (Research) Programme are attached as **Annexure IX**.

10.Item 12.10: For Discussion; Suggestions regarding new UG programs in new Institute of Technology in Faculty of Technology and Engineering, CHARUSAT

Proceedings 12.10:

- Dr. Trushit Upadhyaya brief that university is planning to commence new institute. In new institute Information and Communication Technology (ICT) programme shall be offered by electronics & communication engineering department. Teaching scheme was discussed.

Resolution 12.10

- Board gave consent to commence ICT Programme. Board members gave few suggestions in courses and teaching scheme for ICT. Teaching scheme of ICT is attached as **Annexure X**.

11.Item 12.11: For Discussion; Review of Exam Question Papers

Proceedings & Resolution 12.11:

- Board reviewed question papers' quality. Quality of papers was found satisfactory.

Item 12.12: For Discussion; Approval of updated examiners' list.

Proceedings 12.12:

- List of various course experts who can be appointed as examiner at CHARUSAT University examinations was prepared. Dr. Trushit Upadhyaya discussed the names of course experts. Board Members suggested few names of experts who can be appointed as an external examiner at University Examinations

Resolution 12.12:

- The Board approved the Panel of Examiner. As the Panel of Examiner is a confidential matter, it is not attached as Annexure. It is to be submitted to the exam section in a sealed cover.

Item 12.13: For Discussion; Review of University Result Analysis

Proceedings 12.13:

- Previous University examination results were discussed with BoS members. Last two academic years' results comparison was carried out. Total number of students having distinction, first class and second class was presented to board members. Detain students' list was also considered for discussion.

Resolution 12.13:

- BoS member found results quite satisfactory for Third and Fourth Year B.Tech and both years of M.Tech. It was noticed by BoS members that improvement in results for the First and Second Year B.Tech is required.
- Board members suggested to have separate examination slots for detain students during the semester instead of asking detain students to appear along with regular students in university examination. Year on year Result Analysis is attached as **Annexure XI**.

Item 12.14: For Discussion; To discuss about Training and Placements Records

Proceedings 12.14:

- The training and placement data for B.Tech 2015-16 Batch was discussed. Dr. Trushit Updadhya discussed number of students placed and package offered. Details of soft skills training offered by the institute to final year B.Tech students were shared with board members.

Resolution 12.14

- BoS member appreciated the efforts of staff members for enhancing training and placement activities in department by physically approaching companies. The idea of imparting soft skills training to increase the employability of students was greatly appreciated. The placement statistics is attached as **Annexure XII**.

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- **Item 12.15: For Discussion & Approval;** To discuss & approve Synopsis submitted by research scholars of EC department
- **Proceedings & Resolution 12.15:** Board of Studies members reviewed and approved synopsis of Mr. Hardik Modi, Mr. Vinesh Kapadia & Mrs. Kaushika Patel submitted during academic year 2015-16. Board members appreciated the quantum of work done by research scholars.

The meeting ended with a vote of thanks.



Dr. Trushit Upadhyaya
Chairman, Board of Studies,
Electronics & Communication Engineering Department
Date: 03/09/2016

Certified By:

