Year 2018-19

Analysis on Feedback on Curriculum by Present Students

Suggestion Given:

1) Chapter based on Neural Network should be in the syllabus.
2) Industry demand subject should be in depth.

Action Taken:

1) It has been approved in 15th BoS meeting that new Elective Course as Programme Elective – II (Deep Learning) is introduced in 6th Semester of B.Tech EC.
2) It has been approved in 15th BoS meeting that MOOC course on Hardware Modeling using Verilog is introduced in 4th Semester of B.Tech EC. (Annexure-I)

Analysis on Feedback on Curriculum by Alumni

Suggestion Given:

1) IoT application in Robotics should be added in curriculum.

Action Taken:

1) It has been approved in 15th BoS meeting that MOOC course on Robotics is introduced in 4th Semester of B.Tech EC. (Annexure-I)

Analysis on Feedback on Curriculum by Employer

Suggestion Given:

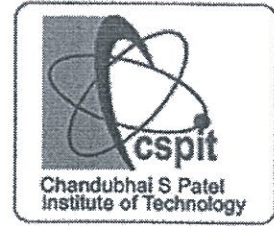1) VLSI Back End Design practical and Lab sessions should be in course.

Action Taken:

1) It has been approved in 15th BoS meeting that new Elective Course as Programme Elective – III (Analog VLSI Design) is introduced in 7th Semester of B.Tech EC.

(Annexure-I)

Certified By:

Dr. REGISTRAR
CHAROTAR UNIVERSITY OF
SCIENCE & TECHNOLOGY
CHANGA - 388421, TA. PETLAD, DI. ANAND

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

CHARUSAT

cspit
Chandubhai S Patel
Institute of Technology

Analysis on Feedback on Curriculum by Teacher

Suggestion Given:

1) Advanced Embedded Protocols for Intelligent system should be in syllabus.

Action Taken:

1) It has been approved in 15th BoS meeting that MOOC course on Artificial Intelligence is introduced in 4th Semester of B.Tech EC.   (Annexure-I)

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CHAROTAR UNIVERSITY OF
SCIENCE & TECHNOLOGY
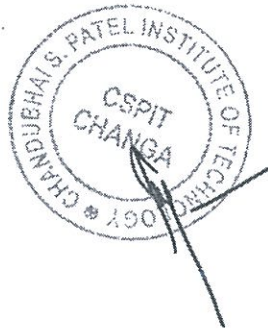CHANGA - 388421, TA. PETLAD, DI. ANAND

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
FACULTY OF TECHNOLOGY & ENGINEERING
V.T. Patel Department of Electronics and Communication Engineering

Minutes – 15th Meeting of Board of Studies

Date	:	August 31, 2019, Saturday
Time	:	10:00 am
Venue	:	Conference room, T&P Cell, Ground Floor, EC/EE Building, CSPIT, FTE, CHARUSAT

The meeting of the 15th Board of Studies, Department of Electronics and communication Engineering, Faculty of Technology, Charotar University of Science and Technology (CHARUSAT) was held as per schedule.

Following members were present:

1.	Dr. Trushit Upadhyaya	Chairman	Associate Professor &HoD, Department of E&C Engineering, CSPIT
2.	Dr. Hiren Mewada	Member	Associate Professor, Department of E&C Engineering, CSPIT
3.	Dr. S. K. Hadia	Member	Associate Professor, Department of E&C Engineering, CSPIT
4	Prof. Brijesh Shah	Member	Assistant Professor, Department of E&C Engineering, CSPIT
5	Dr. Arpita Patel	Member	Assistant Professor, Department of E&C Engineering, CSPIT
6	Dr. Falguni Raval	Member	Assistant Professor, Department of E&C Engineering, CSPIT
7	Mr. Upesh Patel	Member	Assistant Professor, Department of E&C Engineering, CSPIT
8	Dr. Sanjeev Gupta	Member	Professor, DAIICT, Gandhinagar.
9	Dr. Niranjan Devashrayee	Member	Professor, Nirma University, Ahmedabad
10	Mr. Nilesh Ranpura	Member	Delivery Manager, e-infochips, Ahmedabad
11	Mr. Jignesh Patel	Member	Founder, Energy System Engineering, Baroda
12	Dr. Killol Pandya	Invitee	Assistant Professor, Department of E&C Engineering, CSPIT

13	Mr. Jignesh Patoliya	Invitee	Assistant Professor, Department of E&C Engineering, CSPIT
14	Mr. Arpan Desai	Invitee	Assistant Professor, Department of E&C Engineering, CSPIT
15	Mr. Yogesh Tiwari	Invitee	Assistant Professor, Department of E&C Engineering, CSPIT

Following member could not remain present due to preoccupation.

1	Dr. Amit Bhatt	Member	Professor, DAIICT, Gandhinagar.

Agenda Proceedings & Resolutions:-

Item 15.01: For Discussion: To discuss and approve the teaching schemes for all the semesters of B.Tech (UG Programme) under CBCS scheme, effective from the academic year 2019-20.

Proceedings 15.01 :

- Board of Studies members reviewed and discussed teaching scheme and detailed syllabus of all the semester of B.Tech under Choice Based Credit System (CBCS).

- MOOC Courses can be introduced as an **Audit Course** for 4th Semester. Following courses were discussed which could be offered as an Audit Course.

Semester	Course Name
4	1. Hardware modelling using Verilog
	2. Robotics
	3. Fundamentals of Artificial Intelligence
	4. Ethics in Engineering Practice
	5. Patent Filing for beginners
	6. Introduction to Operating Systems

Resolution 15.01:

- Board members appreciated the idea of offering Audit course looking at the changing market trend. After thorough discussion, following courses shall be offered as Audit courses in Electronics & Communication Department, Faculty of Technology & Engineering. The examination scheme for the audit course shall be

finalized in consultation with Dean, Faculty of Technology & Engineering. It shall be circulated to board members for approval.

Semester	MOOC Course Name
4	1. Hardware modelling using Verilog
	2. Robotics
	3. Fundamentals of Artificial Intelligence
	4. Ethics in Engineering Practice

- The Board approved the teaching scheme and syllabi of B. Tech program under Choice Based Credit System (CBCS), effective from the academic year 2019-20. The teaching and examination scheme along with modified syllabus is attached as a Part-I of **Annexure I.**

Item 15.02: For Discussion: To discuss and approve the detailed syllabus of elective courses.

Proceedings 15.02 :
- Board members reviewed and discussed teaching scheme and detailed syllabi of elective courses of B.Tech under CBCS.
- Following new elective courses are added in B.Tech curriculum under CBCS.

Semester	Course Code	Course Name
6	EC378	Programme Elective- II
		1. Deep Learning
7	ECXXX	Programme Elective- III
		1. EC474: Cloud Computing
		2. EC475: Analog VLSI Design

Resolution - 15.02:
- Board members have approved and gave their suggestion in elective courses. The detailed syllabus of all new elective courses is attached as an Annexure II.

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Item 15.03: For Discussion: Modification in existing teaching scheme and syllabus of 2nd, 3rd and 4th year of B.Tech.

Proceedings 15.03 :

- BoS members discussed detailed syllabus of final year newly added elective course.

Resolution - 15. 03:

- Board members in principle have approved detailed syllabus of final year. Minor suggestions were given for modifications in curriculum. The suggestions are reflected in curriculum.

- Detailed syllabus of newly added elective course is attached as an **Annexure III.**

Item 15.04: For Discussion: Modification in M.Tech (PG Programme) syllabus under CBCS Scheme.

Proceedings & Resolutions 15.04:

- The teaching credits were reduced to 90 from present 102 credits. Fourth Semester year credits were reduced to 18 from 30. The Part-II of Annexure I reflects the modifications.

Item 15.05: To review and approve detailed syllabus of Quantitative Techniques for Ph.D. course work.

Proceedings 15.05:

- BoS members approved the syllabus of Quantitative Techniques for Ph.D. course work.

Resolution 15.05:

- Board members reviewed detailed syllabus and suggested minor changes in curriculum of Quantitative Techniques. Approved detailed syllabus is attached as **Annexure IV.**

Item 15.06: For Discussion: Ph. D synopsis Approval of Research Scholars

Proceedings 15.06:

- A Synopsis was presented in front of Board members.

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- BoS members discussed about the articles published by the research scholars in SJR journals and conferences.

Resolution 15.06:

- Board members appreciated that department promotes research publications in SJR & JCR indexed journals.
- Details of research scholars' publications are attached as an **Annexure V**.

Item 15.07: For Discussion: Implementation on Outcome Base Education (OBE) and ICT based Teaching learning.

Proceedings 15.07:

- Mapping of Course Outcomes (CO) & Programme Outcomes (PO) and Programme Educational Objectives (PEO) were discussed.

Resolution 15.07:

- A sample COs, POs, PSOs and PEOs mapping for a course is attached as an **Annexure VI**.

Item 15.08: For Discussion: Preparation carried out on NBA and NAAC accreditation and Discussion on Academic and Administrative Audit (AAA) of the department for the academic year 2018-19.

Proceedings & Resolution 15.08:

- Board members were quite satisfied with year-wise progress of the department after reviewing Academic and Administrative Audit (AAA) data of department.
- Details of AAA are attached as an **Annexure VII**.

Item 15.09: For Discussion; Review of University Result Analysis and steps for the remedial actions.

Proceedings 15.09:

- Previous University examination results were discussed with BoS members. Last three academic years' results comparison was carried out. Total number of

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students having distinction, first class and second class was presented to board members.

- Action plan and on-going activities of department were also discussed for the improvement of the overall result.

Resolution 15.09:

- BoS member found results quite satisfactory for Third and Fourth Year B.Tech. It was noticed by BoS members that improvement in results for the First and Second Year B.Tech is required, especially for mathematics courses.

- Year on year Result Analysis and remedial actions' document are attached as an **Annexure VIII**.

Item 15.10: To discuss about Training and Placements Records

Proceedings 15.10:

- BoS members discussed about Placement records.

Resolution - 15. 10:

- Board members were satisfied with the efforts of departmental T&P Committee. It was suggested to approach industries on regular interval and maintain healthy relationship with them.

- The details are attached as an **Annexure IX**.

Item 15.11: For Discussion: Assessment of the quality of Question Papers

Proceedings 15.11:

- The university question paper analysis was discussed by the board members.
- Blooms Taxonomy based paper analysis is carried out by department staff members.

Resolution 15.11:

- A sample analysis of university question paper is attached as an **Annexure X**.

In addition to above items, detailed discussion was carried out on the current admission scenario in EC Engineering and new examination practices adopted by the department viz. open book test and coding test with use of internet.

Other Items

Few other suggestions given by the Board members are:

- Prerequisites for all the courses should be added in the beginning of course introduction.
- VLSI Academy should be started for the VLSI domain as there are substantial amount of jobs available in VLSI domain, both in Gujarat and outside Gujarat
- A course on Entrepreneurship should also be started.
- Master's elective courses can be offered to final semester student of B.Tech as an elective courses.
- IIT professors can be invited as an Adjunct Professors to increase the visibility of the institute amongst aspirant students.
- A course on "**Product Design Approach**" can be introduced as an elective course for 7th semester. This course should be taught by industry experts.

The meeting ended with a vote of thanks.

Dr.Trushit Upadhyaya
Chairman-BoS, EC Department,
FTE, CHARUSAT

Date: 31/08/2019