

Year 2016-17

Analysis on Feedback on Curriculum by Present Students

Suggestion Given:

- 1) Use of Linux OS is mandatory.
- 2) Switch to Linux Architecture is the first requirement of Industries.

Action Taken:

- 1) It has been approved in 13th BoS meeting that Embedded Linux Course is introduced in 6<sup>th</sup> Semester (3<sup>rd</sup> Year) of B.Tech EC. (Annexure-I)

Analysis on Feedback on Curriculum by Alumni

Suggestion Given:

- 1) Introduction to Verilog – HDL must be in syllabus.

Action Taken:

- 1) It has been approved in 13th BoS meeting that VLSI Technology & Design (EC342) is shifted from 6<sup>th</sup> Semester to 5<sup>th</sup> Semester (3<sup>rd</sup> Year) of B.Tech EC. (Annexure-I)

Analysis on Feedback on Curriculum by Employer

Suggestion Given:

- 1) Fundamentals should be emphasis.

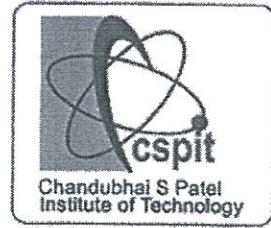
Action Taken:

- 1) It has been approved in 13th BoS meeting that Digital System Design course is introduced in 5<sup>th</sup> Semester of B.Tech EC (3<sup>rd</sup> Year). (Annexure-I)

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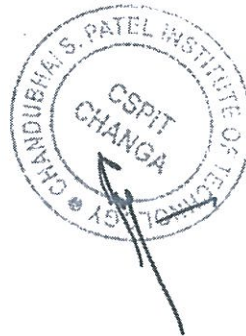
Analysis on Feedback on Curriculum by Teacher

Suggestion Given:

- 1) 8051 Microcontroller should be replaced with AVR Microcontroller.

Action Taken:

- 2) It has been approved in 13th BoS meeting that Course contents of EC344 Microcontroller & Application is replaced by AVR Microcontroller. (Annexure-I)



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13<sup>th</sup> BOS

Annexure-I

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

Minutes – 13<sup>th</sup> Meeting of Board of Studies

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Date : August 26, 2017, Saturday  
Time : 10:00 am  
Venue : Room No: 235 Multimedia Lab, EC Department, CSPIT, FTE CHARUSAT

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The meeting of the 13<sup>th</sup> 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     | <b>Chairman;</b> | Associate Professor & Head, Department of E&C Engineering, CSPIT |
| 2.  | Dr. Hiren Mewada          | <b>Member</b>    | Asso. Professor, Department of E&C Engineering, CSPIT            |
| 3.  | Prof. Rachna Jari         | <b>Member</b>    | Asso. Professor, Department of E&C Engineering, CSPIT            |
| 4.  | Prof. Brijesh Shah        | <b>Member</b>    | Assistant Professor, Department of E&C Engineering, CSPIT        |
| 5.  | Dr. S. K. Hadia           | <b>Member</b>    | Asso. Professor, Department of E&C Engineering, CSPIT            |
| 6.  | Mr. Upesh Patel           | <b>Member</b>    | Assistant Professor, Department of E&C Engineering, CSPIT        |
| 7.  | Dr Sanjeev Gupta          | <b>Member</b>    | Professor, DAIICT, Gandhinagar.                                  |
| 8.  | Dr. Amit Bhatt            | <b>Member</b>    | Associate Professor, DAIICT, Gandhinagar                         |
| 9.  | Mr. Jignesh Patel         | <b>Member</b>    | Sr. Engineer, ABB Corporation, Baroda                            |
| 10. | Dr. Niranjana Devashrayee | <b>Member</b>    | Professor, Nirma University, Ahmedabad                           |
| 11. | Mr. Tarun Makwana         | <b>Member</b>    | Sr. Technical Lead, Einfochips, Ahmedabad                        |

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### Agenda Proceedings & Resolutions:-

**Item 13.01: For Discussion:** To approve the detailed syllabus & Teaching scheme for 3rd year CBCS B Tech courses.

#### Proceedings 13.01:

- Board of Studies members reviewed and discussed teaching scheme of B.Tech 3rd year under Choice Based Credit System (CBCS).
- Following modifications are incorporated in syllabus of 3rd year.

Sr. No.	Old Course Code	New Course Code	Course Name	Remarks
1.	EC301.01	EC341	Electromagnetic Theory	<ul style="list-style-type: none"><li>• There is no change in syllabus content &amp; Teaching Scheme..</li></ul>
2.	EC311.01	EC342	VLSI Technology & Design	<ul style="list-style-type: none"><li>• Course shifted from 6<sup>th</sup> Semester to 5<sup>th</sup> Semester</li></ul>
3.	EC312.01	EC343	Digital Signal Processing	<ul style="list-style-type: none"><li>• Course shifted from 6<sup>th</sup> Semester to 5<sup>th</sup> Semester</li></ul>
4.	EC305.02	EC344	Microcontroller and Application	<ul style="list-style-type: none"><li>• AVR Controller is introduce in place of 8051</li><li>• Detail syllabus and content are given in annexure 1</li></ul>
5.	EC308.01	EC347	Antenna & Wave Propagation	<ul style="list-style-type: none"><li>• There is no change in syllabus content &amp; Teaching Scheme..</li></ul>
6.	EC309.01	EC348	Digital Communication	<ul style="list-style-type: none"><li>• There is no change in syllabus content &amp; Teaching Scheme..</li></ul>
7.		ITXXX	Embedded Linux	<ul style="list-style-type: none"><li>• New subject introduced</li></ul>
8.	EC404.01	EC349	Embedded Systems	<ul style="list-style-type: none"><li>• Course shifted from 7<sup>th</sup> Semester to 6<sup>th</sup> Semester</li></ul>

#### Resolution 13.01:

- The Board approved the teaching scheme of B. Tech program under Choice Based Credit System (CBCS) for 3rd year.
- The teaching and examination scheme along with modified syllabus is attached as Annexure I.

**Item 13.02: For Discussion:** To approve the teaching scheme for all the semesters of B Tech CBCS courses effective from 2016 (Total credits to be kept= around 200 for UG and 100 around for PG)

**Proceedings 13.02 :**

- Board of Studies members reviewed and discussed teaching scheme all the semesters of B Tech CBCS courses effective from 2016.

**Resolution - 13.02:**

- The teaching and examination scheme & Detailed Syllabus are attached as **Annexure II**.

**Item 13.03: For Discussion:** To approve the syllabus for Final year for 2013 Revision Year, if any

**Proceedings 13.03:**

- No Changes

**Resolution - 13.03:**

- The teaching and examination scheme is attached as **Annexure III**.

**Item 13.04: For Discussion:** Any change in PG Syllabus of CBCS courses.

**Proceedings 13.04:**

- No Changes

**Resolution - 13.04:**

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

**Item 13.05: For Discussion:** Preparation, Discussion and approval for the Elective Courses (University, Institute, Program and Program Electives)

**Proceedings 13.05 :**

- BoS members discussed and approved following elective courses from the pool of few elective subjects.
- List of Program Electives

Sem	Subject Code	Sr No	Subject Name
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5	ECxxx	1	Power Electronics
		2	Television Systems / Multimedia System
		3	Digital System Design
		4	Computer Organization and architecture
		5	Machine Learning
		6	DSP Processors and applications
6		7	JAVA Programming
		8	Error Control Coding
		9	ASIC Design
		10	VLSI Signal Processing
7		11	Digital Image Processing
		12	Radar Systems
		13	Analog VLSI Design
		14	Soft Computing

- List of University Electives

Sem	Subject Code	Sr No	Subject Name
3	ECxxx	1	Introduction to MATLAB Programming
4		2	Prototyping Electronics with Arduino
5		3	Programing and Scripting
6		4	To be discussed during BoS meeting

**Resolution - 13.05:**

- The teaching and examination scheme is attached as **Annexure V**.

**Item 13.06: For Discussion:** To discuss about Training and Placements Records

**Proceedings 13.06 :**

- BoS members discussed and approved following elective courses from the pool of few elective subjects.

**Resolution - 13.06:**

- The teaching and examination scheme is attached as **Annexure VI**.

**Item 13.07: For Discussion;** Review of University Result Analysis

**Proceedings 13.07:**

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

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distinction, first class and second class was presented to board members. Detain students' list was also considered for discussion.

**Resolution 13.07:**

- 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 VII**.

**Item 13.08: For Discussion:** Discussion regarding research publications, proposals and grants

**Proceedings 13.08:**

Board members discussed about research publications, project proposals and grant for the academic year 2016-17.

**Resolution 13.08:**

- The detail statistics of publications and list of ongoing projects and grants are attached as **Annexure VIII**.

*The meeting ended with a vote of thanks.*



Dr. Trushit Upadhyaya  
Chairman, BoS  
Date: 28/08/2017

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