



CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FEEDBACK ANALYSIS
REPORT
OF STAKEHOLDERS
(2021-22)**

Analysis Report of Feedback Received from different Stake Holders
AY 2021-22**Students:**

As per the students' opinion, the curriculum is optimistically designed.

All of the students gave the positive feedback about the curriculum. Inclusion of software and industrial visit seems attractive to students.

Most of students like the inclusion of Advanced level subject, more practical knowledge, VLSI design based subject and coding based subjects in curriculum. They are satisfied and happy with the educational goals included in curriculum. Students appreciated about the practical weightage given in curriculum.

Alumni:

As per alumnus, embedded and VLSI based courses are very helpful. Alumni believes that the curriculum helps to develop the holistic understanding. They appreciated the inclusion of summer internships as an industrial training is the part of curriculum. The conclusion of alumni feedback is to incorporate the recent trends and give more weightage and time to final year project in curriculum.

Experts from Academia:

Expert from other institutes and own institute emphasis more focus on programming based subjects. The general feedback given to include advanced concepts in embedded system, Control Systems and Analog Electronics. All aspects to develop technical skill are taken care. New trends of courses are added is positive side of curriculum. They like the different online platform used for execution of courses. Very well developed curriculum but still there is scope of improvement.

Industry / Employer:

The industry people gave about well-designed curriculum and adequate course contents in line with current industry trends. They had appreciated the industry level projects developed by the students in projects and internships.



**Analysis Report of Feedback Received from different Stack Holders
AY 2021-22****Suggestion:**

1. IoT Based projects should be designed and developed by the students.
2. Android based application must be in the syllabus.
3. Advanced concepts must include in Embedded Linux.
4. OOPC concepts must cover in the System Verilog.
5. PID controller and its application must cover in the syllabus.

Action taken:

The following action taken from the feedback of various stack holders.

Note: The suggestions were already incorporated.

1. Elements of IoT (EC396) course is already available in the syllabus of 3rd Year EC which covers project designs.
2. Mobile Application Development (EC385) course is already available in the syllabus of 3rd Year EC.
3. PID controller topic is covered in the Control System (EC255) course.

Suggestion to be incorporated in upcoming Board of Study meeting.

1. Advanced topics included in the syllabus of Embedded Linux.
2. OOPC concepts are incorporated in the syllabus of System Verilog





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

Minutes – 18th Meeting of Board of Studies

Date	:	October, 01, 2022, Saturday
Time	:	10:00 am
Mode	:	Online

The meeting of the 18th Board of Studies, Department of Electronics and Communication (E&C) Engineering, Faculty of Technology, Charotar University of Science and Technology (CHARUSAT) was held online as per schedule.

The following members were present:

1.	Dr. Trushit Upadhyaya	Chairman	Professor & HoD, Department of E&C Engineering, CSPIT
2.	Dr. Y.P.Kosta	Member	Professor, Department of E&C Engineering, CSPIT
3.	Dr. Arpita Patel	Member	Associate Professor, Department of E&C Engineering, CSPIT
4.	Dr. Brijesh Shah	Member	Associate Professor, Department of E&C Engineering, CSPIT
5.	Dr. Jitendra Chaudhari	Member	Associate Professor, Department of E&C Engineering, CSPIT
6.	Dr. Killol Pandya	Member	Associate Professor, Department of E&C Engineering, CSPIT
7.	Dr. Upesh Patel	Member	Assistant Professor, Department of E&C Engineering, CSPIT
8.	Dr. Sanjeev Gupta	Member	Professor, DAIICT, Gandhinagar
9.	Mr. Nilesh Ranpura	Member	Director, e-infochips, An Arrow Company, Ahmedabad
10.	Dr. Amit Bhatt	Member	Professor, DAIICT, Gandhinagar
11.	Mr. Jayesh Pabari	Member	Scientist, Physical Research Laboratory (PRL), Ahmedabad
12.	Mr. Bhaskar Trivedi	Member	Senior Director, PerfectVIP, Ahmedabad
13.	Dr. Upena Dalal	Member	Professor, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat
14.	Mr. Jignesh Patel	Member	Founder, Energy System Engineering, Baroda
15.	Mr. Pinal Patel	Member	Distinguished Alumni & Associate Director, e-infochips, An Arrow Company
16.	Mr. Akshat Patel (19EC037)	Member	Student representative, Department of E&C Engineering, CSPIT



17.	Rajvi Padaria (19EC030)	Member	Student representative, Department of E&C Engineering, CSPIT
18.	Prof. Miral Desai	Invitee	Assistant Professor, Department of E&C Engineering, CSPIT

Agenda Proceedings & Resolutions: -

Item 18.01: For Discussion: To review and approve the Teaching & Examination scheme and detailed syllabus of B.Tech - Choice Based Credit System (CBCS) for Electronics and Communication.

Proceedings 18.01:

- Board of Studies members reviewed and discussed teaching scheme and detailed syllabus of B Tech under Choice Based Credit System (CBCS). The following new courses are introduced or the credit scheme has been changed. The courses are listed below:

Semester	Course Name
2	Basics of Digital Electronics
3	Design of Digital Circuits
3	Network Theory
4	Python Programming
5	Electromagnetics and Antenna Technology
5	Verilog Programming
5	Simulation on RF and Microwave Engineering
6	Design, Testing and Verification
7	Introduction to Artificial Intelligence
7	Optical Communication
7	Image Processing and Computer Vision

Resolution 18.01:

- The Board approved the teaching scheme and syllabi of B. Tech program under Choice Based Credit System (CBCS). The teaching and examination scheme along with the detailed syllabus is attached as an **Annexure I**.
- The total credit of the course shall be 176.



Item 18.02: For Discussion: To discuss about the Certificate course in VLSI Design.

Proceedings 18.02 :

- Board of Studies members reviewed and discussed teaching scheme and detailed syllabus of Certificate course.

Resolution 18.02:

- The board members appreciated and emphasized the need of industry requirement oriented certificate course.
- The Board approved the teaching scheme and syllabi of Certificate course in VLSI design. The details about the courses and syllabus is attached as an **Annexure II**.

Item 18.03: For Discussion: Analysis and discussion on the semester end results of the students and steps taken for the remedial actions.

Proceedings 18.03 :

- The University examination results were discussed with BoS members. Last three academic years' results comparison was carried out. Total number of 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 18.03:

- BoS member found results satisfactory for all the years of B.Tech. The Year-on-year Result Analysis and remedial actions' document are attached as an **Annexure III**.

Item 18.04: For Discussion: Analysis of campus placement and discussion of related activities to enhance them further.

Proceedings 18.04 :

- BoS members discussed about Training & Placement and internship activity of the students.

Resolution - 18. 04:

- 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 placement statistics are attached as an **Annexure IV**.



Item 18.05 : For Discussion: Panel of examiners for winter and summer examination

Proceedings & Resolution - 18.05:

- BoS members approved the Internal and External examiners panel.
- Since the examiner list is confidential, it shall be supplied to University Examination Section separately.

Item 18.06: For Discussion: Reduction of numbers of intake in the B.Tech EC Engineering.

Proceedings & Resolution 18.06 :

- The historical changes in the UG and PG in the Electronics and Communication Engineering department was prepared. BoS members approved reduction in the seats of UG programme.
- The historical change of the UG and PG of Electronics and Communication Engineering department is attached as **Annexure V**.

Item 18.07: For Discussion: Discussion on department Academic and Administrative report of the academic year 2021- 22.

Proceedings & Resolution - 18.07:

- Chairman, BoS explained the details of all the activities for the academic year 2021- 22. Board members appreciated the efforts by the department staff members in co-curricular & research activities.

Item 18.08: For Discussion: To discuss and approve the teaching scheme and detailed syllabus of Minors in “Robotics and Internet of Things” for 6th and 7th semester of B.Tech.

Proceedings 18.08:

- Board of Studies members reviewed and discussed teaching scheme and detailed syllabus of Minor specialization.

Sr. No	Name of the course	Offered in Semester	Credits
1.	Elements of Robotics	6	05
2.	Sensor Networks	7	05

Resolution - 18.08:

- Board members approved the courses of Minor program.



Item 18.09: For Discussion: The synopsis approval of research scholars of the department.

Proceedings 18.09 :

- Synopsis of PhD research scholars were presented to the board members.
- BoS members discussed about the articles published by the research scholars in WoS/SJR journals and conferences.

Resolution - 18.09:

- Board members appreciated that department promotes research publications in WoS/SJR indexed journals.
- Details of research scholars' publications are attached as an Annexure VI.

Item 18.10: For Discussion: For Discussion and Suggestion: Discussion on effective implementation of Outcome Based Education (OBE).

Proceedings & Resolution 18.10 :

- For outcome based education "Performance Indicators" are important factor. The Performance indicator were presented to BoS for discussion, suggestion and Approval. Achievement of Program Outcomes were discussed.
- The Performance indicators were approved and attached as Annexure VII. The attainment of the Program Outcomes and its comments are attached as Annexure VIII.

Item 18.11: For Discussion: The feedback of the stakeholders including exit (last day) feedback of the students to improve the various best practices adopted by the departments.

Proceedings & Resolution 18.11 :

- The final year students' feedback and different stake holder feedback were discussed. Few suggestions of different stake holder like including micro project/field work, hardware, MOOC courses are incorporated.
- The overall feedback analysis is attached as **Annexure IX**.


Item 18.12: For Discussion: For information and Discussion: Technical expert scrutiny report on question papers of AY 2021-22.



Proceedings & Resolution 18.12 :

- Evaluation of University exam papers as per bloom's taxonomy were done by faculty members. The question papers were balanced as per different levels of blooms taxonomy and had very good mark distribution as per syllabus.
- Experts had welcomed the approach and asked continuing this practice of drawing balanced question paper. The Analysis is listed as **Annexure X**.

The meeting ended with a vote of thanks.


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



Date: October 1, 2022