VIGNAN'S
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-Estd. u/s 3 of UGC Act 1956

Department of Electronics and Communication Engineering.

Date: 05-05-2021

Re-Constitution of Curriculum Design and Monitoring Committee

The Head of the Department constituted the Curriculum Design and Monitoring Committee for B.Tech. ECE Program.

S.No	Members	Designation
1.	Dr. T. Pitchaiah	Chairman
2.	Dr. N. Usharani	Member
3.	Dr. M. Sarada	Member
4.	Mr. P.J. Reginald	Member
5.	Mr. P. Krishna Chaitanya	Member

Curriculum Design and Monitoring Committee is re-constituted for a term of three years. It analyses the feedback from the students and give inputs to the BOS.

Thanking you sir,

Dr. T. Pitchaiah
Head of the Department
Electronics and Communication Engineering

Copy to
1. The Vice Chancellor
2. The Registrar.
3. Dean, Academics.
4. ECE Faculty

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Department of Electronics and Communication Engineering.

Minutes of CDMC Meeting

10-05-2021

The members of Curriculum Design and Monitoring Committee for B.Tech Electronics & Communication Engineering program met on 10-05-2021 at CoE 'H' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. T. Pitchaiah	Chairman	
2.	Dr. N. Usharani	Member	
3.	Dr. M. Sarada	Member	
4.	Mr. P.J. Reginald	Member	
5.	Mr. P. Krishna Chaitanya	Member	

Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2020-21.

Chairman-CDMC, presented feedback analysis to the committee.

1. Employers suggested the following,
   a. In every semester students have to undergone to the one programming course.
   b. Students should study the advanced courses so that acquisition of knowledge is easier in the industry.
2. Alumni suggested the following
   a. Coding Skills should acquire by the student, to get good placements
   b. The courses on information technology is less try to add few courses on IT related
3. Faculty suggested the following
   a. Pool of electives are required to provide in the curriculum
   b. The courses Analog communication and Digital communication can be merged such that students can study other advanced courses in core stream

4. Students suggested the following
   a. More number of computer courses need to add as per the industry needs.
   b. In first year it self some of the basic professional core courses need to add to study more advanced courses from the second year onwards.
   c. Computer architecture and organization is to discuss before microprocessors and microcontrollers to cover computer basics as core subject.

Detailed feedback analysis report is enclosed as Annexure-I.

The outcomes of the meeting will be placed before the BoS for further discussion and recommendations.

Chairman, CDMC

Feedback from Alumni Students 2020-21 (Academic Year) - UG – B. Tech (ECE)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 1.

Table 1: Analysis of feedback from Alumni 2020-21

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	98.5	0	1.5	0	0	4.97	Excellent
Q2	99.2	0	0.8	0	0	4.984	Excellent
Q3	98.5	0	0	1.5	0	4.955	Excellent
Q4	98.5	0	0.8	0.8	0	4.965	Excellent
Q5	98.5	1.5	0	0	0	4.985	Excellent
Q6	98.5	1.5	0	0	0	4.985	Excellent
Q7	98.5	0	0	0.8	0.8	4.949	Excellent

Feedback has been received from the Alumni students on the following seven parameters:

Q1. Curriculum has paved a good foundation in understanding the basic engineering concepts

Q2. Course Contents of Curriculum are in tune with the Program Outcomes

Q3. Curriculum imparted all the required Job Oriented Skills

Q4. The offering of the electives in relation to the Technological advancements and serve the needed in the industry

Q5. Tools and Technologies learnt during laboratory sessions has enriched the skills

Q6. Ability to compete with your peers from other Universities

Q7. The curriculum relevant to job and future aspirations

The highest score of 4.985 was given to the parameters "Q5: Tools and Technologies learnt during laboratory sessions has enriched the skills" and "Q6: Ability to compete with your peers from other Universities" followed by "Q7: The curriculum relevant to job and future aspirations" with a score of 4.949 and has been rated as Excellent.

The parameters "Q3: Curriculum imparted all the required Job Oriented Skills", "Q2: Course Contents of Curriculum are in tune with the Program Outcomes", and "Q4: The offering of the

electives in relation to the Technological advancements and serve the needed in the industry" obtained the average scores of 4.955, 4.984 and 4.965 each and has been rated as Excellent.

It is clearly visible from the table that the parameter "Q1: Curriculum has paved a good foundation in understanding the basic engineering concepts" obtained average score of 4.97 and has been rated as Excellent.

The most of the alumni suggesting to incorporate industry driven IT courses.

Feedback from Employer 2020-21 (Academic Year) - UG – B. Tech (ECE)

The result derived in terms of percentage of employer with common views, average score, and ratings is presented in Table 2.

Table 2: Analysis of feedback from Employer 2020-21

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	89.7	10.3	0	0	0	4.897	Excellent
Q2	87.2	12.8	0	0	0	4.872	Excellent
Q3	94.9	5.1	0	0	0	4.949	Excellent
Q4	87.2	12.8	0	0	0	4.872	Excellent
Q5	89.7	10.3	0	0	0	4.897	Excellent

Feedback has been received from the employer on the following nine parameters:

Q1. Course Contents of Curriculum are in tune with the Program Outcomes

Q2. Curriculum helps in bridging gap between industry and academic institution.

Q3. Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electronics and Allied Industry.

Q4. Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of electronics and allied industries.

Q5. Curriculum develops skills to model and analyze the electronics and allied industrial issues.

The highest score of 4.949 was given to the parameter "Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electronics and Allied Industry" followed by "Curriculum develops skills to model and analyse the electronics and allied industrial issues." with a score of 4.897 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Course Contents of Curriculum are in tune with the Program Outcomes" and "Professional and Open Electives are in relation to the

Technological advancements and fulfilling the needs of electronics and allied industries " obtained average scores 4.897and 4.872 respectively and has been rated as Excellent.

The parameter "Curriculum helps in bridging gap between industry and academic institution" obtained the scores of 4.872 and has been rated as Excellent which will be considered and benefit the students towards the ECE and its related Industry.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to improve the problem solving skills and soft skills of the students which enable them to be placed in ECE and its related Industries.

The feedback analysis given by employer reveals that by adding computer related programming courses in the curriculum and improving the required skills of Applicability and fulfilling the gap between industries to academia to enable Industry Demands helps the student to get placements.

Feedback from faculty 2020-21 (Academic Year) - UG – B. Tech (ECE)

The result derived in terms of percentage of faculty with common views, average score, and ratings is presented in Table 3.

Table 3: Analysis of feedback from faculty 2020-21

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	79.2	20.8	0	0	0	4.792	Excellent
Q2	77.1	20.8	2.1	0	0	4.75	Excellent
Q3	72.9	27.1	0	0	0	4.729	Excellent
Q4	79.2	16.7	2.1	0	2.1	4.712	Excellent
Q5	62.5	37.5	0	0	0	4.625	Excellent

Feedback has been received from the Faculty on the following five parameters:

Q1. Curriculum designed is in tune with program Vision and Mission

Q2. Course Contents of Curriculum in tune with the Program Outcomes

Q3. The depth of the course content is adequate to have significant learning outcomes.

Q4. Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics

Q5. The practicals enable to develop experimental, design, problem solving and analysis skills of the students

The highest score of 4.792 was given to the parameter "Q1: Curriculum designed is in tune with program Vision and Mission" followed by "Q2: Contents of Curriculum in tune with the Program Outcomes" with a score of 4.712 rated as excellent, "Q3: The depth of the course content is adequate to have significant learning outcomes" and "Q5: The practical's enable to develop experimental, design, problem solving and analysis skills of the students" with a score of 4.729 and 4.625 has been rated as Excellent.

It is clearly visible from the table that the parameter "Q4: Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics" obtained average score of 4.712 and has been rated as Excellent.

Time to time meetings was conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students.

The feedback analysis reveals few courses need to modify the contents based on the need of industry and academia and laboratory sessions help to improve the faculty technical skills and the courses placed in the curriculum supports.

Feedback from Students 2020-21 (Academic Year) - UG – B. Tech (ECE)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 4.

Table 4: Analysis of feedback from students 2020-21

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	93.3	3.1	2.3	0.3	0.3	4.867	Excellent
Q2	92.8	2.9	2.2	0.8	0.6	4.844	Excellent
Q3	91.8	4.4	1.5	0.8	0.6	4.833	Excellent
Q4	92.4	3.4	2.3	0.5	0.7	4.842	Excellent
Q5	92.9	2.8	1.9	0.7	1	4.838	Excellent
Q6	92.7	2.7	2.5	0.6	0.8	4.838	Excellent
Q7	93.4	3	2.2	0.2	0.5	4.865	Excellent
Q8	92.5	3.3	2	0.5	1	4.837	Excellent
Q9	92.4	3.8	2	0.5	0.6	4.848	Excellent

Feedback has been received from the students on the following nine parameters:

Q1. Course Contents of Curriculum are in tune with the Program Outcomes.

Q2. The depth of the course content is adequate to have significant learning outcomes

Q3. Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics.

Q4. The practical's enable to develop experimental, design, problem solving and analysis skills of the students.

Q5.   The timely coverage of syllabus is possible in the mentioned number of hours.

Q6.   The Curriculum providing opportunity towards self-learning to realize the expectations.

Q7.   Rate the capability of the curriculum for improving ethical values in students

Q8.   The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students

Q9.   Electives enable the passion to learn new technologies in emerging area

The highest score of 4.627 was given to the parameter "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Q7: Rate the capability of the curriculum for improving ethical values in students" with a score of 4.837 and "Q2: The depth of the course content is adequate to have significant learning outcomes" obtained the average score of 4.844 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3: Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics"; "Q8: The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students"; "Q5: The timely coverage of syllabus is possible in the mentioned number of hours" and "Q9: Electives enable the passion to learn new technologies in emerging area" obtained the average scores are 4.833; 4.837; 4.838 and 4.848 respectively and has been rated as Very Good.

Average scores of 4.838 and 4.842 were obtained by the parameters "Q6: Curriculum is providing opportunity towards self-learning to realize the expectations" and "Q4: The practical's enable to develop experimental, design, problem solving and analysis skills of the students".

The more number of students are asking to add the Programming courses related to IT and reduce the contents in the ECE Programme

Chairman, CDMC