VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

Department of Electronics & Communication Engineering.

Minutes of CDMC Meeting

05-02-2020

The members of Curriculum Design and Monitoring Committee for B.Tech Electronics & Communication Engineering program met on 05-02-2020 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.	Mr. P.J. Reginald	Member	
4.	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 2019-20.

Chairman-CDMC, presented feedback analysis to the committee.

1. Employers suggested the following,
   a. Train them initially at the campus before coming to industry.
   b. Encourage the students to solve societal problems.
2. Alumni suggested the following
   a. Advanced courses in core engineering
   b. More emphasis on simulation/software based experiments.
3. Faculty suggested the following
   a. Credits should be given for NPTEL certification courses.
   b. Branch specific physics, mathematics, chemistry should be incorporate in the curriculum instead of common contents to all the branches.
4. Parents suggested the following
   a. Communications skills need to be improved
   b. Students should also make to participate in various co-curricular activities.
5. Students suggested the following
   a. More weightage for projects
   b. Improve the quantity of the courses conducted by industry persons

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

Annexure 1

Feedback from Alumni Students 2019-20 (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 2019–20

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	43.3	56.7	0	0	0	4.433	Excellent
Q2	70.1	29.9	0	0	0	4.701	Excellent
Q3	44.8	55.2	0	0	0	4.448	Excellent
Q4	70.1	29.9	0	0	0	4.701	Excellent
Q5	44.8	55.2	0	0	0	4.448	Excellent
Q6	44.8	55.2	0	0	0	4.448	Excellent
Q7	56.7	43.3	0	0	0	4.567	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 4.701 was given to the parameters "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" followed by "Q7: The curriculum relevant to job and future aspirations" with a score of 4.567 and has been rated as Excellent.

The parameters "Q3: Curriculum imparted all the required Job Oriented Skills", "Q5: Tools and Technologies learnt during laboratory sessions has enriched the skills", and "Q6: Tools Ability to

compete with your peers from other Universities" obtained the average scores of 4.448 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 4.433 and has been rated as Excellent.

Feedback from Employer 2019-20 (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 2019–20

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 analyse the electronics and allied industrial issues.

The highest score of 4.568 was given to the parameter "Curriculum helps in bridging gap between industry and academic institution" followed by "Curriculum develops skills to model and analyse the electronics and allied industrial issues." with a score of 4.487 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 4.324and 4.324 respectively and has been rated as Excellent.

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" obtained the scores of 4.324 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 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 2019-20 (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 2019–20

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	45.3	54.7	0	0	0	4.453	Excellent
Q2	43.4	56.6	0	0	0	4.434	Excellent
Q3	43.4	56.6	0	0	0	4.434	Excellent
Q4	35.8	64.2	0	0	0	4.358	Excellent
Q5	43.4	56.6	0	0	0	4.434	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 4.453 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", "Q3: The depth of the course content is adequate to have significant learning outcomes" and "Q5: The practicals enable to develop experimental, design, problem solving and analysis skills of the students" with a score of 4.434 each and 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 4.358 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 that laboratory sessions help to improve the faculty technical skills and the courses placed in the curriculum supports.

Feedback from Parents 2019-20 (Academic Year) - UG – B. Tech (ECE)

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

Table 4: Analysis of feedback from Parents 2019–20

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	50	47.7	0	0	0	4.408	Excellent
Q2	27.3	56.8	15.9	0	0	4.114	Excellent
Q3	27.3	40.9	31.8	0	0	3.955	Very Good
Q4	15.9	56.8	27.3	0	0	3.886	Very Good
Q5	47.7	34.1	18.2	0	0	4.295	Excellent

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

Q1.Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum

Q2.The academic flexibility embedded in the curriculum provides opportunities to students to pursue their interest by choosing from a vast number of pathways / electives from own area/specialization as well as from other areas.

Q3.Competency of your ward is on par with the students from other Universities/Institutes.

Q4.The curriculum has been designed to make your ward industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the electronics and allied industries.

Q5.Course Curriculum is of the global standard and is in tune with the needs of electronics and allied industries.

The highest score of 4.408 was given to the parameter "Q1: Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum" followed by "Q5: Course Curriculum is of the global standard and is in

tune with the needs of electrical and allied industries" with a score of 4.295 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q2: The academic flexibility embedded in the curriculum provides opportunities to students to pursue their interest by choosing from a vast number of pathways / electives from own area/specialization as well as from other areas" and "Q3: Competency of your ward is on par with the students from other Universities/Institutes" obtained average score 4.114 and 3.955 respectively and has been rated as Excellent and very good respectively.

The parameter "Q4: The curriculum has been designed to make your ward industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the electrical and allied industries" obtained the score of 3.886 and has been rated as very good which clearly reflects the benefit towards the parent's expectations.

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

Feedback from Students 2019-20 (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 5.

Table 5: Analysis of feedback from students 2019 – 20

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	62.7	37.3	0	0	0	4.627	Excellent
Q2	50.5	49.5	0	0	0	4.505	Excellent
Q3	45.8	54.2	0	0	0	4.458	Excellent
Q4	34.3	65.7	0	0	0	4.343	Excellent
Q5	42.3	57.7	0	0	0	4.423	Excellent
Q6	42.6	57.4	0	0	0	4.426	Excellent
Q7	37.7	62.3	0	0	0	4.377	Excellent
Q8	37	63	0	0	0	4.37	Excellent
Q9	37	63	0	0	0	4.37	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 "Q2: Course Contents are designed to enable Problem Solving Skills and Core competencies" with a score of 4.505 and "Q7: The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students is a right mix and satisfiable" obtained the average score of 4.337 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 4.458; 4.37; 4.423 and 4.37 respectively and has been rated as Very Good.

Average scores of 4.377 and 4.343 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".

Chairman, CDMC