



Department of Electrical and Electronics Engineering

Date: 24-03-2018

Curriculum Design and Monitoring Committee

Minutes of meeting

Curriculum Design and Monitoring Committee meeting for B.Tech program is conducted on 22-03-2018 in HOD Chamber at 10:00 AM. The following members were attended the meeting.

S.No	Members	Designation	Signature
1	Dr. G. Srinivasa Rao Professor & HOD	Chairman	
2	Mr. P.V.S.Sobhan Assoc. Professor	Member	
3	Dr. K. Mercy Rosalina Assoc. Professor	Member	

Chairman-CDMC, presented feedback analysis to the committee.

1. Employers suggested the following,
 - a. Inclusion of concepts related to team work, managerial skills and professional ethics.
 - b. Encourage the students to solve societal problems.
2. Alumni suggested the following
 - i. Advanced courses in core engineering
 - ii. Practical Exposure has to be more concentrated.
1. Faculty suggested the following
 - a. Credits should be given for NPTEL certification courses.
 - iii. Branch specific physics, mathematics, chemistry should be incorporate in the curriculum instead of common contents to all the branches.
2. Parents suggested the following
 - a. Concepts suitable to core and government sector should be incorporated in the curriculum.
 - b. Students should also make to participate in various co-curricular activities.
3. Students suggested the following
 - a. More weightage for projects
 - b. Regular workshops need to be conducted.

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



Department of Electrical and Electronics Engineering

Annexure-I

Feedback from Alumni 2017-18 (Academic Year) - UG – B. Tech (EEE)

Feedback has been received from the 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 categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

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 2017 – 18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	0	80	20	0	0	3.8	Very Good
Q2	20	20	60	0	0	3.6	Very Good
Q3	20	40	40	0	0	3.8	Very Good
Q4	80	0	20	0	0	4.6	Excellent
Q5	20	60	20	0	0	4	Excellent
Q6	20	20	60	0	0	3.6	Very Good
Q7	20	60	20	0	0	4	Excellent



Department of Electrical and Electronics Engineering

The highest score of 4.6 was given to the parameter “The offering of the electives in relation to the Technological advancements and serve the needed in the industry” has been rated as Excellent, “Tools and Technologies learnt during laboratory sessions has enriched the skills” has scored 4 has rated as Excellent, and followed by the parameter “The curriculum relevant to job and future aspirations” has scored 4 has rated as Excellent.

It is clearly visible from the table that the parameters “Curriculum has paved a good foundation in understanding the basic engineering concepts”, “Course Contents of Curriculum are in tune with the Program Outcomes”, “Curriculum imparted all the required Job Oriented Skills”, and “Ability to compete with your peers from other Universities” obtained average scores 3.8, 3.6, 3.8. and 3.6 respectively and has been rated as Very Good.

Feedback from Employer 2017-18 (Academic Year) - UG – B. Tech (EEE)

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

- Q1. Course Contents of Curriculum 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 Electrical and Electronics Industry.
- Q4. Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of electrical and allied industries.
- Q5. Curriculum develops skills to model and analyze the electrical and allied industrial issues.

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

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



Department of Electrical and Electronics Engineering

Table 1: Analysis of feedback from Employer 2017 – 18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	75	25	0	0	0	4.75	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	62.5	37.5	0	0	0	4.625	Excellent
Q5	50	37.5	12.5	0	0	4.375	Excellent

The highest scores of 4.75 and 4.625 was given to the parameter “Course Contents of Curriculum in tune with the Program Outcomes” and “Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of electrical and allied industries” has been rated as Excellent.

It is clearly visible from the table that the parameters “Curriculum helps in bridging gap between industry and academic institution” and “Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry” obtained average scores 4.5 respectively and has been rated as Excellent.

The parameters “Curriculum develops skills to model and analyze the electrical and allied industrial issues” obtained the scores of 4.375 respectively and has been rated as Excellent which clearly reflects the benefit towards the student 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.

The feedback analysis given by employer reveals that by improving the required skills of Electrical and Electronics Engineering and it's allied Industry Demands helps the student to get placements.

Feedback from Faculty 2017-18 (Academic Year) - UG – B. Tech (EEE)

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

- Q1. Course Contents of Curriculum 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.



Department of Electrical and Electronics Engineering

- 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 categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

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 faculty 2017 – 18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	46.7	40	13.3	0	0	4.334	Excellent
Q2	46.7	46.7	6.7	0	0	4.404	Excellent
Q3	53.3	46.7	0	0	0	4.533	Excellent
Q4	46.7	33.3	20	0	0	4.267	Excellent
Q5	66.7	33.3	0	0	0	4.667	Excellent
Q6	40	40	20	0	0	4.2	Excellent
Q7	46.7	40	13.3	0	0	4.334	Excellent
Q8	46.7	53.3	0	0	0	4.467	Excellent
Q9	100	0	0	0	0	5	Excellent

The highest score of 5 was given to the parameter "Electives enable the passion to learn new technologies in emerging area" followed by 4.667 was given to the parameter "The timely coverage of syllabus is possible in the mentioned number of hours" and other "Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics" with a score of 4.533 and has been rated as Excellent.



Department of Electrical and Electronics Engineering

It is clearly visible from the table that the parameters “The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students” and “The depth of the course content is adequate to have significant learning outcomes” obtained average scores 4.467 and 4.404 respectively and has been rated as Excellent.

The parameters “Course Contents of Curriculum in tune with the Program Outcomes” and “Rate the capability of the curriculum for improving ethical values in students” obtained the scores of 4.334 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.26 and 4.2 were obtained by the parameters “The practical’s enable to develop experimental, design, problem solving and analysis skills of the students” and “The Curriculum providing opportunity towards Self learning to realize the expectations”.

The analysis of the teachers’ feedback reflects the adequacy and availability of teaching-learning facilities and adequacy of the syllabus. Also, it is quite helpful in reframing the course content according to the societal needs.

Feedback from Students 2017-18 (Academic Year) - UG – B. Tech (EEE)

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. Course Contents are designed to enable Problem Solving Skills and Core competencies
- Q3. Courses placed in the curriculum serves the needs of both advanced and slow learners.
- Q4. Contact Hour Distribution among the various Course Components (LTP) is satisfiable.
- Q5. The electives offered in relation to the Technological advancements in Electrical and allied fields.
- Q6. The design of courses in the Curriculum is considered the extra learning or self learning.
- Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable.
- Q8. Laboratory sessions are sufficient to improve the technical skills of students.
- Q9. Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).



Department of Electrical and Electronics Engineering

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

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

Table 1: Analysis of feedback from students 2017-18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	11.3	86	2.7	0	0	4.086	Excellent
Q2	12.4	86	1.6	0	0	4.108	Excellent
Q3	8.6	91.4	0	0	0	4.086	Excellent
Q4	10.8	87.6	1.6	0	0	4.092	Excellent
Q5	9.1	88.7	2.2	0	0	4.069	Excellent
Q6	13.4	83.3	3.2	0	0	4.098	Excellent
Q7	12.4	84.4	3.2	0	0	4.092	Excellent
Q8	2.7	95.7	1.6	0	0	4.011	Excellent
Q9	4.3	85.5	10.2	0	0	3.941	Very Good

The highest score of 4.108 was given to the parameter "Course Contents are designed to enable Problem Solving Skills and Core competencies" followed by "The design of courses in the Curriculum is considered the extra learning or self learning" with a score of 4.098 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Contact Hour Distribution among the various Course Components (LTP) is satisfiable." and "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" obtained average scores 4.092 and 4.092 respectively and has been rated as Excellent.

The parameters "Course Contents of Curriculum are in tune with the Program Outcomes" and "Courses placed in the curriculum serves the needs of both advanced and slow learners" obtained the scores of 4.086 and 4.086 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.069; 4.011 and 3.941 were obtained by the parameters "The electives offered in relation to the Technological advancements in Electrical and allied fields"; "Laboratory sessions are sufficient to improve the technical skills of students" and "Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students".

The feedback analysis reveals that they are well satisfied with the curriculum development and revision. Laboratory sessions help to improve the students technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.



Department of Electrical and Electronics Engineering

Feedback from Parents 2017-18 (Academic Year) - UG – B. Tech (EEE)

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

The categorization of rating is as follows: Strongly Agree (5), Agree (4), Moderate (3), Disagree (2) and Strongly Disagree (1).

Feedback Analysis is carried based on Average Satisfaction Rating. Rating categorization is carried based on Excellent (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

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 parents 2017 – 18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	40	40	20	0	0	4.2	Excellent
Q2	20	50	30	0	0	3.9	Very Good
Q3	20	50	30	0	0	3.9	Very Good
Q4	50	20	30	0	0	4.2	Excellent
Q5	40	40	20	0	0	4.2	Excellent

The highest score of 4.2 was given to the parameters “Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum” followed by “Course Curriculum is of the global standard and is in tune with the needs of electrical and allied industries” and “The curriculum has been designed to make your ward industry ready by imparting analytical and reasoning, language



Department of Electrical and Electronics Engineering

and soft skills in addition to technical competencies, as desired by the electrical and allied industries” has been rated as Excellent.

It is clearly visible from the table that the parameters “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 “Competency of your ward is on par with the students from other Universities/Institutes” obtained average score with 3.9 and has been rated as very good..

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

The feedback analysis reports that from the parents clearly depicts their satisfaction towards the curricular and non-curricular activities rendered by the University. From the analysis it is evident that the parents believe that their wards develop good soft skills and ethical values during their course of study.

Chairman, CDMC