



Department of Electrical and Electronics Engineering

Minutes of CDMC Meeting

16-02-2020

The members of Curriculum Design and Monitoring Committee for M.Tech.Power Electronics and Drivesprogram met on 16-02-2020in HOD Chamber, Department of EEE, H-Block, VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. G. Srinivasa Rao Professor & HOD	Chairman	
2.	Mr. P.V.S.Sobhan Assoc. Professor	Member	
3.	Dr. M. SubbaRao Assoc. Professor	Member	

Agenda of the meeting

1. Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2019-20.

The following are the important points of analysis obtained from various stakeholders:

- a. Employers suggested the following,
 - a. Concentrate on energy saving methods.
 - b. Introduce application oriented courses in the curriculum.
- b. Alumni suggested the following
 - a. Electric Vehicles course to be introduced.
 - b. Add advances courses with real time exposure.
- c. Faculty suggested the following
 - a. Introduce Technical seminars with the enhanced practical sessions.
 - b. Offer some courses on online platform which promote self-learning.
- d. Parents suggested the following
 - a. Add employability courses.
 - b. Needs more improvement to add industry oriented courses.
- e. Students suggested the following
 1. Add artificial intelligence related subjects into the curriculum
 2. Improve the project based learning in the curriculum.

Detailed feedback analysis report is enclosed as Annexure-I

2. Chairman – CDMC has briefed the draft curriculum to the members. (R20 Curriculum)

Following are the changes suggested by members of CDMC in the revised curriculum course structure,

- (a) Majority of theory courses are integrated with laboratory to improve the practical knowledge.
- (b) Encourage the students to do projects related to societal needs.
- (c) Introduce MOOCS/NPTEL courses to enhance self learning.

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



Chairman, CDMC

Feedback from Alumni Students 2019-20 (Academic Year) - PG – M. Tech (PED)

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

- Q1. Curriculum has paved a good foundation in understanding the concepts
- Q2. Course Contents of Curriculum fulfilled the specified Program Outcomes
- Q3. Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education
- Q4. Electives of Curriculum served the technical advancements needed to serve in the industry.
- Q5. Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry
- Q6. Competency with your peers from other Institutions.

Current curriculum meets the present industry demands

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

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	0	77.8	22.2	0	0	3.778	Very Good
Q2	33.3	33.3	33.3	0	0	3.996	Very Good
Q3	22.2	66.7	11.1	0	0	4.111	Excellent
Q4	66.7	0	33.3	0	0	4.334	Excellent
Q5	44.4	33.3	22.2	0	0	4.218	Excellent
Q6	22.2	44.4	33.3	0	0	3.885	Very Good
Q7	33.3	44.4	22.2	0	0	4.107	Excellent

The highest score of 4.334 was given to the parameter “Electives of Curriculum served the technical advancements needed to serve in the industry” followed by “Electives of Curriculum served the technical advancements needed to serve in the industry” with a score of 4.218 and has been rated as Excellent.

It is clearly visible from the table that the parameters “Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education” and “Current curriculum meets the present industry demands” obtained average scores 4.111 and 4.107 respectively and has been rated as Excellent.

Average scores of 3.996; 3.885 and 3.778 were obtained by the parameters “Course Contents of Curriculum fulfilled the specified Program Outcomes”; “Competency with your peers from other Institutions” and “Curriculum has paved a good foundation in understanding the basic engineering concepts Curriculum has paved a good foundation in understanding the concepts.”

Feedback from Employer 2019-20 (Academic Year) - PG – M. Tech (PED)

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

- Q1.Course Contents of M.Tech. Power Electronics and Drives Curriculum is in tune with the Program Outcomes.
- Q2.Relevance of the Course Contents in tune with the Power electronics Industry Demands.
- Q3.Elective are in-line with the technology advancements in Modelling and Design Sectors.
- Q4.Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry.
- Q5.Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry.

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

Table 3: Analysis of feedback from Employer 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	71.4	14.3	14.3	0	0	4.571	Excellent
Q2	57.1	42.9	0	0	0	4.571	Excellent
Q3	71.4	28.6	0	0	0	4.714	Excellent
Q4	28.6	57.1	14.3	0	0	4.143	Excellent
Q5	100	0	0	0	0	5	Excellent

The highest scores of 5 and 4.714 was given to the parameter “Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry” and “Elective are in-line with the technology advancements in Modelling and Design Sectors” has been rated as Excellent.

It is clearly visible from the table that the parameters “Course Contents of M.Tech Power Electronics and Drives Curriculum is in tune with the Program Outcomes” and “Relevance of the Course Contents in tune with the Power electronics Industry Demands” obtained average scores 4.571 and 4.571 respectively and has been rated as Excellent.

The parameters “Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry” obtained the scores of 4.143 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Feedback from faculty 2019-20 (Academic Year) - PG – M. Tech (PED)

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

- Q1. Curriculum designed is in tune with program Vision and Mission.
- Q2. Contents of the curriculum enhances the core competencies and employability skills.
- Q3. Allocation of Credits to the Courses Satisfiable.
- Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable.
- Q5. Electives offered in the program makes the faculty to explore latest technologies.
- Q6. Curriculum providing opportunity towards self-learning to meet the expectations.
- Q7. Number of theoretical courses and laboratory sessions sufficient to improve the technical and research skills of students.
- Q8. Courses with 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 result derived in terms of percentage of faculty with common views, average score, and ratings is presented in Table 5.

Table 5: Analysis of feedback from faculty 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	61.5	30.8	7.7	0	0	4.538	Excellent
Q2	46.2	53.8	0	0	0	4.462	Excellent
Q3	46.2	53.8	0	0	0	4.462	Excellent
Q4	46.2	30.8	23.1	0	0	4.235	Excellent
Q5	69.2	30.8	0	0	0	4.692	Excellent
Q6	46.2	38.5	15.4	0	0	4.312	Excellent
Q7	61.5	30.8	7.7	0	0	4.538	Excellent
Q8	46.2	53.8	0	0	0	4.462	Excellent
Q9	46.2	38.5	15.4	0	0	4.312	Excellent

The highest score of 4.692 was given to the parameter “Electives offered in the program makes the faculty to explore latest technologies” has been rated as Excellent.

It is clearly visible from the table that the parameters “Curriculum designed is in tune with program Vision and Mission” and “Number of theoretical courses and laboratory sessions

sufficient to improve the technical and research skills of students” obtained average scores 4.538 respectively and has been rated as Excellent.

The parameters “Contents of the curriculum enhances the core competencies and employability skills” and “Allocation of Credits to the Courses Satisfiable” and “Courses with laboratory sessions are sufficient to improve the technical skills of students” obtained the scores of 4.462 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.312, 4.312 and 4.235 were obtained by the parameters “Curriculum providing opportunity towards self-learning to meet the expectations”, “Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students” and “Contact Hour Distribution among the various Course Components (LTP) is Satisfiable”.

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 Parents 2019-20 (Academic Year) - PG – M. Tech (PED)

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

- Q1. Curriculum enhances the intellectual aptitude of your ward
- Q2. Satisfaction with the offered curriculum for your wards future endeavours.
- Q3. Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University
- Q4. Your ward’s competency with the students from other Institutes.
- Q5. Curriculum offered is in tune with current Industry needs.

The result derived in terms of percentage of Parents with common views, average score, and ratings is presented in Table 7.

Table 7: Analysis of feedback from Parents 2019–20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	50	25	25	0	0	4.25	Excellent
Q2	50	25	25	0	0	4.25	Excellent
Q3	25	50	25	0	0	4	Excellent
Q4	75	0	25	0	0	4.5	Excellent
Q5	50	25	25	0	0	4.25	Excellent

The highest score of 4.5 was given to the parameter “Your ward’s competency with the students from other Institutes” followed by “Curriculum offered is in tune with current Industry needs”, “Satisfaction with the offered curriculum for your wards future endeavours” and “Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in

our University”. with average scores of 4.25, 4.25 and 4 respectively and has been rated as Excellent.

The parameters “Curriculum enhances the intellectual aptitude of your ward”, with a score of 3.5 and has been rated as Very Good 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.

Feedback from Students 2019-20 (Academic Year) - PG – M. Tech (PED)

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 designed offered enriches Core Competencies
- Q3.Courses offered in the curriculum serves the needs of Electrical and Allied Industries
- Q4.Contact Hour Distribution among the various Course Components (LTP) is satisfiable.
- Q5.Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas
- Q6.Curriculum providing enable towards self-learning.
- Q7.No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills.
- Q8.Research Projects improved the technical competency and leadership skills.
- Q9.Tools and technologies described in the curriculum are enough to design and develop new applications.

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 8.

Table 8: Analysis of feedback from students 2019 – 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	33.3	66.7	0	0	0	4.333	Excellent
Q2	33.3	66.7	0	0	0	4.333	Excellent
Q3	33.3	66.7	0	0	0	4.333	Excellent
Q4	33.3	66.7	0	0	0	4.333	Excellent
Q5	33.3	66.7	0	0	0	4.333	Excellent
Q6	33.3	66.7	0	0	0	4.333	Excellent
Q7	33.3	66.7	0	0	0	4.333	Excellent
Q8	0	100	0	0	0	4	Excellent
Q9	0	100	0	0	0	4	Excellent

The highest score of 4.333 was given to the parameter "Contact Hour Distribution among the various Course Components (LTP) is satisfiable" followed by "Course Contents of Curriculum are in tune with the Program Outcomes" and "Course Contents designed offered enriches Core Competencies" with a score of 4.333 and has been rated as Excellent.

It is clearly visible from the table that the parameters "No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills" and "Courses offered in the curriculum serves the needs of Electrical and Allied Industries" obtained average scores 4.333 and 4.333 respectively and has been rated as Excellent.

The parameters "Curriculum providing enable towards self-learning" and "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" obtained the scores of 4.333 and 4.333 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4 and 4 were obtained by the parameters "Research Projects improved the technical competency and leadership skills" and "Tools and technologies described in the curriculum are enough to design and develop new applications".

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 reveals that 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.


Chairman, CDMC