





**Department of Electrical and Electronics Engineering**

**Minutes of CDMC Meeting**

02-04-2018

The members of Curriculum Design and Monitoring Committee for M.Tech. Power Electronics and Drives program met on 02-04-2018 in 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.	Mr. M. SubbaRao Asst. 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 2017-18.

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

1. Employers suggested the following,
  - a. Need for the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry.
  - b. Introduce Technical seminars with the industrial experience person.
2. Alumni suggested the following
  - a. Curriculum should meet the present industry demands.
  - b. Electives offered should explore latest technologies.
3. Faculty suggested the following
  - a. Curriculum should allow self-learning, to meet the expectations.
  - b. Curriculum should be in tune with current Industry needs.
4. Parents suggested the following
  - a. Add more case studies to enable the skills in students.
  - b. Advanced tools and technologies should be incorporated in the curriculum to design and develop new applications.
5. Students suggested the following

- a. Must design project-based curriculum
- b. Need to organize technical activities on emerging technologies apart from the syllabus.

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 2017-18 (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.
- Q7. 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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	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	0	60	20	0	0	4	Excellent

The highest score of 4.6 was given to the parameter “Electives of Curriculum served the technical advancements needed to serve in the industry” followed by “Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry” and “Current curriculum meets the present industry demands” with average scores of 4 and 4 respectively, has been rated as Excellent.

It is clearly visible from the table that the parameters “Curriculum has paved a good foundation in understanding the concepts” and “Curriculum has paved a good foundation in understanding the concepts” obtained average scores 3.8 and 3.8 respectively and has been rated as Very Good.



The parameters “Course Contents of Curriculum fulfilled the specified Program Outcomes” and “Competency with your peers from other Institutions” obtained the scores of 3.6 and 3.6 respectively and has been rated as Very Good which clearly reflects the benefit towards the student expectations.

### Feedback from Employer 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	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 M.Tech Power Electronics and Drives Curriculum is in tune with the Program Outcomes” and “Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry” has been rated as Excellent.

It is clearly visible from the table that the parameters “Relevance of the Course Contents in tune with the Power electronics Industry Demands” and “Elective are in-line with the technology advancements in Modelling and Design Sectors” obtained average scores 4.5 respectively and has been rated as Excellent.

The parameters “Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electrical and Electronics Industry” obtained the scores of 4.375 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

### Feedback from faculty 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	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	46.7	33.3	20	0	0	4.267	Excellent

The highest score of 4.667 was given to the parameter “Courses with laboratory sessions are sufficient to improve the technical skills of students” and other “Allocation of Credits to the Courses Satisfiable” with a score of 4.533 and has been rated as Excellent.



It is clearly visible from the table that the parameters “Contents of the curriculum enhances the core competencies and employability skills” and “Electives offered in the program makes the faculty to explore latest technologies” obtained average scores 4.4667 and 4.404 respectively and has been rated as Excellent.

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 the scores of 4.334 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.267, 4.267 and 4.2 were obtained by the parameters “Contact Hour Distribution among the various Course Components (LTP) is Satisfiable” and “Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students” and “Curriculum providing opportunity towards self-learning to meet the 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 Parents 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	25	75	0	0	0	4.25	Excellent
Q2	25	62.5	12.5	0	0	4.125	Excellent
Q3	25	62.5	12.5	0	0	4.125	Excellent
Q4	37.5	50	12.5	0	0	4.25	Excellent
Q5	25	75	0	0	0	4.25	Excellent

The highest score of 4.25 was given to the parameter “Curriculum offered is in tune with current Industry needs” followed by “Your ward’s competency with the students from other Institutes”, “Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University”, and “Satisfaction with the offered curriculum for your wards future

endeavours” obtained average scores of 4.25, 4.2 and 4.2 respectively and has been rated as Excellent.

It is clearly visible from the table that the parameters “Curriculum enhances the intellectual aptitude of your ward” , with a score of 3.875 and has been rated as Average.

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 2017-18 (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 2017 – 18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	12.5	87.5	0	0	0	4.125	Excellent
Q2	12.5	87.5	0	0	0	4.125	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	12.5	87.5	0	0	0	4.125	Excellent
Q5	0	100	0	0	0	4	Excellent
Q6	0	100	0	0	0	4	Excellent
Q7	0	100	0	0	0	4	Excellent
Q8	0	100	0	0	0	4	Excellent
Q9	0	100	0	0	0	4	Excellent

The highest score of 4.125 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 4.125 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 and 4 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 and 4 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**