



Department of Electrical and Electronics Engineering

Minutes of CDMC Meeting

25-02-2016

The members of Curriculum Design and Monitoring Committee for M. Tech.Power Electronics and Drives program met on 25-02-2016 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 2015-16.

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

1. Employers suggested the following,
 - a. Electives should be designed in-line with the technology advancements in Modelling and Design Sectors.
 - b. Need for tools and technologies that are used Industry.
2. Alumni suggested the following
 - a. Electives should have the technical advancements that are required to serve in the industry.
 - b. More Competent with your peers from other Institutions.
3. Faculty suggested the following
 - a. Curriculum should be in tune with program Vision and Mission.
 - b. Curriculum should enhance the core competencies and employability skills.
4. Parents suggested the following
 - a. Curriculum should enhance the intellectual aptitude.
 - b. Curriculum should be designed to make students more competent with the students from other Institutes.
5. Students suggested the following
 - a. Courses that serves the needs of Electrical and Allied Industries should be included in the curriculum

- b. Electives should help to learn new technologies in emerging and Interdisciplinary Areas.

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 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	0	71.4	28.6	0	0	3.714	Very Good
Q2	21.4	14.3	50	14.3	0	3.428	Good
Q3	14.3	35.7	35.7	0	14.3	3.357	Good
Q4	50	14.3	35.7	0	0	4.143	Excellent
Q5	21.4	50	28.6	0	0	3.928	Very Good
Q6	14.3	21.4	64.3	0	0	3.5	Very Good
Q7	21.4	50	28.6	0	0	3.928	Very Good

The highest score of 4.133 was given to the parameter “Electives of Curriculum served the technical advancements needed to serve in the industry” followed by “Current curriculum meets the present industry demands” with a score of 4.004 and has been rated as Excellent.

It is clearly visible from the table that the parameters “Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry” and “Curriculum has paved a good foundation in understanding the concepts” obtained average scores 3.966 and 3.733 respectively and has been rated as very good.

The parameters “Competency with your peers from other Institutions” and “Course Contents of Curriculum fulfilled the specified Program Outcomes” obtained the scores of 3.567 and 3.534 respectively and have been rated as Very Good which clearly reflects the benefit towards the student expectations.

The parameter “Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education”; with a score of 3.397 has been rated as Good and “Electives have enabled the passion to learn new technologies in emerging areas” and “Contact Hour Distribution among the various Course Components (LTP) is satisfiable”.

Feedback from Employer 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	66.7	33.3	0	0	0	4.667	Excellent
Q2	22.2	77.8	0	0	0	4.222	Excellent
Q3	66.7	33.3	0	0	0	4.667	Excellent
Q4	33.3	66.7	0	0	0	4.333	Excellent
Q5	55.6	44.4	0	0	0	4.556	Excellent

The highest scores of 4.667 was given to the parameter “Course Contents of M.Tech. Power Electronics and Drives Curriculum is in tune with the Program Outcomes” 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 “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 4.556 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” and “Relevance of the Course Contents in tune with the Power

electronics Industry Demands” obtained the scores of 4.333 and 4.222 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Feedback from faculty 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	47.1	47.1	5.9	0	0	4.416	Excellent
Q2	52.9	41.2	5.9	0	0	4.47	Excellent
Q3	64.7	35.3	0	0	0	4.647	Excellent
Q4	47.1	35.3	17.6	0	0	4.295	Excellent
Q5	58.8	41.2	0	0	0	4.588	Excellent
Q6	52.9	29.4	17.6	0	0	4.349	Excellent
Q7	47.1	41.2	11.8	0	0	4.357	Excellent
Q8	35.3	64.7	0	0	0	4.353	Excellent
Q9	47.1	35.3	17.6	0	0	4.295	Excellent

The highest score of 4.647 was given to the parameter “Allocation of Credits to the Courses Satisfactory” and other “Electives offered in the program makes the faculty to explore latest technologies” with a score of 4.588 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 “Curriculum designed is in tune with program

Vision and Mission” obtained average scores 4.47 and 4.416 respectively and has been rated as Excellent.

The parameters “Curriculum providing opportunity towards self-learning to meet the expectations” and “Number of theoretical courses and laboratory sessions sufficient to improve the technical and research skills of students” and “Courses with laboratory sessions are sufficient to improve the technical skills of students” obtained the scores of 4.349, 4.357 and 4.353 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.295, 4.295 were obtained by the parameters “Contact Hour Distribution among the various Course Components (LTP) is Satisfactory” and “Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students”.

Times 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 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Average Score	Rating
Q1	50	28.6	21.4	0	0	4.286	Excellent
Q2	21.4	50	28.6	0	0	3.928	Very Good
Q3	21.4	50	28.6	0	0	3.928	Very Good
Q4	57.1	14.3	28.6	0	0	4.285	Excellent
Q5	42.9	42.9	14.3	0	0	4.29	Excellent

The highest score of 4.29 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” with a score of 4.285 and has been rated as Excellent.

The parameters “Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University”, “Satisfaction with the offered curriculum for your wards future endeavors” and “Curriculum enhances the intellectual aptitude of your ward” obtained the scores of 3.928, 3.928 and 3.644 respectively and has been rated as Very Good which clearly reflects the benefit towards the student expectations.

Times 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 2015-16 (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 2015 – 16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	11.9	88.1	0	0	0	4.119	Excellent
Q2	7.1	92.9	0	0	0	4.071	Excellent
Q3	11.9	88.1	0	0	0	4.119	Excellent
Q4	16.7	83.3	0	0	0	4.167	Excellent
Q5	7.1	92.9	0	0	0	4.071	Excellent
Q6	16.7	83.3	0	0	0	4.167	Excellent
Q7	16.7	83.3	0	0	0	4.167	Excellent
Q8	4.8	95.2	0	0	0	4.048	Excellent
Q9	66.7	31	0	0	0	4.575	Excellent

The highest score of 4.167 was given to the parameter “Contact Hour Distribution among the various Course Components (LTP) is satisfactory” followed by “No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills” and "

Curriculum providing enable towards self-learning" with a score of 4.167 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 "Courses offered in the curriculum serves the needs of Electrical and Allied Industries" obtained average scores 4.119 and 4.119 respectively and has been rated as Excellent.

The parameters "Course Contents designed offered enriches Core Competencies" and "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" obtained the scores of 4.071 and 4.071 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.048 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".

Times 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 student's technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.



Chairman, CDMC