



Department of Electronics and Communication Engineering

Minutes of CDMC Meeting

26-02-2017

The members of Curriculum Design and Monitoring Committee for M.Tech. Embedded Systems (ES) met on 26-02-2017 in HOD Chamber, Department of ECE, H-Block, VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. N. Usharani	Chairman	N. Usharani
2.	Mr. T. Pitchaiah	Member	T. Pitchaiah
3.	Mr. P.J. Reginald	Member	P.J. Reginald
4.	P. Krishna Chaitanya	Member	P. Krishna Chaitanya

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 2016-17.

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

1. Employers suggested the following
 - a. Include advanced microprocessor based courses.
 - b. Introduce artificial intelligence course.
2. Alumni suggested the following
 - a. Add industry based courses.
3. Faculty suggested the following
 - a. Expertise soft skills and communication skills as part of curriculum.
4. Parents suggested the following
 - a. Include faculty development oriented courses.
 - b. Needs more improvement to add industry oriented courses.
5. Students suggested the following
 - a. Add artificial intelligence related subjects into the curriculum
 - b. Add control based courses into the curriculum.

2) Chairman – CDMC has briefed the draft curriculum to the members. (R17 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) Introduce research methodology and intellectual property rights concepts.
- (c) Offer courses related to employability skills.

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

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 2016-17 (Academic Year) - PG – M. Tech (ES)

Feedback has been received from the Alumni students on the following Five 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

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 are presented in Table 1.

Table 1: Analysis of feedback from Alumni 2016-17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	100	0	0	0	0	5	Excellent

The highest score of 5 was given to the parameter "Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education " followed by "Competing with your peers from other Universities" and "Curriculum is superior to your studied Curriculum" with a score of 5 and has been rated as Excellent.

The parameters "Electives of Curriculum served the technical advancements needed to serve in the industry" and "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" obtained the scores of 5 respectively and has been rated as Excellent

Feedback from Employer 2016-17 (Academic Year) - PG – M. Tech (ES)

Feedback has been received from the employer on the following four parameters:

Q1: Course Contents of M.Tech Embedded System Curriculum is in tune with the Program Outcomes

Q2: Relevance of the Course Contents in tune with the Embedded System Industry Demands

Q3: Elective are in-line with the technology advancements in Modeling and Design Sectors

Q4: Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry

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 employer with common views, average score, and ratings are presented in Table 2.

Table 2: Analysis of feedback from Employer 2016-17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	50	0	0	0	4.5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent

The highest score of 5 was given to the parameter "Relevance of the Course Contents in tune with the Embedded System Industry Demands" followed by "Course Contents of M.Tech Embedded System Curriculum is in tune with the Program Outcomes" with a score of 4.5 and has been rated as Excellent.

The parameter "Elective are in-line with the technology advancements in Modelling and Design Sectors" obtained the scores of 4 and has been rated as Applicability of the tools and technologies described in the curriculum will be enough to practice in 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 Electronic and Embedded System industries

The feedback analysis given by employer reveals that by improving the required skills of Electronic and Embedded System industries and Electronic and Embedded System enabled Industry Demands helps the student to get placements.

Feedback from faculty 2017-18 (Academic Year) - PG – M. Tech (ES)

Feedback has been received from the Faculty on the following eight 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.

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

Table 2: Analysis of feedback from faculty 2016-17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40	60	0	0	0	4.4	Excellent
Q2	60	40	0	0	0	4.6	Excellent
Q3	40	60	0	0	0	4.4	Excellent
Q4	40	60	0	0	0	4.4	Excellent
Q5	20	80	0	0	0	4.2	Excellent
Q6	40	40	20	0	0	4.2	Excellent
Q7	40	40	20	0	0	4.2	Excellent
Q8	40	60	0	0	0	4.4	Excellent

The highest score of 4.6 was given to the parameter "Q2: Contents of the curriculum enhances the core competencies and employability skills" followed by "Q1: Curriculum designed is in tune with program Vision and Mission ", "Q3: Allocation of Credits to the Courses Satisfiable" and "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" with scores of 4.4 has been rated as Excellent.

The parameters " Q5: Electives offered in the program makes the faculty to explore latest technologies", "Q6: Curriculum providing opportunity towards self-learning to meet the expectations" and "Q7: Number of theoretical courses and laboratory sessions sufficient to improve the technical and research skills of students" obtained the scores of 4.2 and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Feedback from Parents 2018-19 (Academic Year) - PG – M. Tech (ES)

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 endeavors.
- 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 are presented in Table 4.

Table 4: Analysis of feedback from Parents 2016 – 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	0	100	0	0	0	4	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	50	50	0	0	0	4.5	Excellent

The highest score of 5 was given to the parameter "Your wards competency with the students from other Institutes" followed by "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 a score of 4.5 and has been rated as Excellent.

The parameter "Satisfaction of Academic and Emotional Progression of your ward," and "Satisfaction with the offered curriculum for your wards future endeavours" obtained the score of 4 and has been rated as excellent which clearly reflects the benefit towards the parent's 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 2017-18 (Academic Year) - PG – M. Tech (ES)

Feedback has been received from the students on the following Eight parameters:

- Q1. Course Contents of Curriculum in tune with the Program Outcomes
- Q2. Course Contents designed offered enriches Core Competencies
- Q3. Courses offered in the curriculum serves the needs of Embedded 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. Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas

Q8. No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills.

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 2016 – 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	57.1	42.9	0	0	0	4.571	Excellent
Q2	85.7	14.3	0	0	0	4.857	Excellent
Q3	42.9	57.1	0	0	0	4.429	Excellent
Q4	42.9	57.1	0	0	0	4.429	Excellent
Q5	14.3	85.7	0	0	0	4.143	Excellent
Q6	42.9	42.9	14.3	0	0	4.29	Excellent
Q7	42.9	42.9	14.3	0	0	4.29	Excellent
Q8	14.3	85.7	0	0	0	4.143	Excellent

The highest score of 4.857 was given to the parameter “Q2. Course Contents designed offered enriches Core Competencies” followed by “Q1. Course Contents of Curriculum in tune with the Program Outcomes” with a score of 4.571 and has been rated as Excellent.

It is clearly visible from the table that the parameters “Q3. Courses offered in the curriculum serves the needs of Embedded and Allied Industries Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable.”; “Q6. Curriculum providing enable towards self-learning and Q7. Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas” and obtained the average scores are 4.429; 4.429; 4.29 and 4.29 respectively and has been rated as Excellent.

Average scores of 4.143 were obtained by the parameters “Q5. Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Area”; and “Q8. No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills.”


Chairman, CDMC