VIGNAN'S UNIVERSITY
Foundation for Science, Technology & Research
UNIVERSITY
(Estd u/s 3 of UGC Act of 1956)

Department of Electronics and Communication Engineering

Minutes of CDMC Meeting

02-03-2018

The members of Curriculum Design and Monitoring Committee for M.Tech. Embedded Systems (ES) met on 02-03-2018 in HOD Chamber, Department of ECE, H-Block, VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Mr. T. Pitchaiah	Chairman	
2.	Dr. N. Usharani	Member	
3.	Mr. P.J. Reginald	Member	
4.	Mr. P. Krishna Chaitanya	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 Electronics, Embedded 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 (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 2017-18

	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 2017-18 (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 2017-18

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	50	0	0	0	4.5	Excellent
Q2	50	0	0	0	0	2.5	Moderate
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent

The highest score of 4.5 was given to the parameter "Course Contents of M.Tech Embedded System Curriculum is in tune with the Program Outcomes" followed by "Relevance of the Course Contents in tune with the Embedded System Industry Demands" with a score of 4 and has been rated as Excellent.

The parameter "Elective are in-line with the technology advancements in Modeling and Design Sectors" and "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" obtained the scores of 4 and has been rated as Excellent which will be considered and benefit the students.

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 3: Analysis of feedback from faculty 2017–18

	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	100	0	0	0	0	5	Excellent
Q7	33.3	66.7	0	0	0	4.333	Excellent
Q8	33.3	66.7	0	0	0	4.333	Excellent

The highest score of 5 was given to the parameter Q6: Curriculum providing opportunity towards self-learning to meet the expectations" followed by 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 4.333 has been rated as Excellent.

The parameters " Q2: Contents of the curriculum enhances the core competencies and employability skills","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 4.333 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 2017 – 18

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

The highest score of 5 was given to the parameter "Your wards competency with the students from other Institutes" rated as Excellent.

It is clearly visible from the table that the parameters "Satisfaction of Academic and Emotional Progression of your ward," "Satisfaction with the offered curriculum for your wards future endeavors" and "Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University" obtained average score 4.5rated as Excellent.

The parameter "Curriculum offered is in tune with current Industry needs" obtained the score of 4.
Time to time meetings was 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 2017 – 18

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	33.3	0	0	0	4.667	Excellent
Q2	55.6	44.4	0	0	0	4.556	Excellent
Q3	55.6	44.4	0	0	0	4.556	Excellent
Q4	44.4	55.6	0	0	0	4.444	Excellent
Q5	44.4	55.6	0	0	0	4.444	Excellent
Q6	22.2	77.8	0	0	0	4.222	Excellent
Q7	44.4	55.6	0	0	0	4.444	Excellent
Q8	55.6	44.4	0	0	0	4.556	Excellent

The highest score of 4.667 was given to the parameter "Q1: Course Contents of Curriculum are
in tune with the Program Outcomes" followed by "Q2. Course Contents designed offered
enriches Core Competencies Q3.Courses offered in the curriculum serves the needs of
Embedded and Allied Industries" and "Q8.No. of Laboratory sessions and Theory Courses have
been sufficient to improve the technical and research skills" with a score of 4.556and has been
rated as Excellent.

It is clearly visible from the table that the parameters "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 and Q7.Electives have enabled the
passion to learn new technologies in emerging and Interdisciplinary Areas" obtained the average
scores are 4.444 respectively and has been rated as Excellent. The parameters "Q6.Curriculum
providing enable towards self-learning"; obtained the scores of 4.222 and has been rated as
Excellent.

Chairman, CDMC