Department of Electronics & Communication Engineering.

Minutes of CDMC Meeting

26-02-2017

The members of Curriculum Design and Monitoring Committee for MTech VLSI (VT) program met on 26-02-2017 at VSF09, 'H' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. N. Usharani	Chairman	
2.	Mr. T. Pitchaiah	Member	
3.	Mrs. M. Sarada	Member	
4.	Mr.P.J.Raginald	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 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

Feedback from Alumni Students 2016-17 (Academic Year) - PG – MTech VLSI (VT)

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 2016–17

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

The highest score of 4.5 was given to the parameter, "Q2: Course Contents of Curriculum fulfilled the specified Program Outcomes" followed by "Q4: Electives of Curriculum served the technical advancements needed to serve in the industry" with a score of 4.5 and has been rated as Excellent. The parameters,"Q1 : Curriculum has paved a good foundation in understanding the concepts", "Q3: Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education", and " Q5: Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry", obtained the equal score of 4.00 respectively and has been rated as Excellent.

Feedback from Employer 2016-17 (Academic Year) - PG – MTech VLSI (VT)

The result derived in terms of percentage of employer with common views, average score, and ratings is presented in Table 2.

Table 2: Analysis of feedback from Employer 2016–17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	0	50	50	0	0	3.5	Very Good
Q2	50	0	50	0	0	4	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	0	50	50	0	0	3.5	Very Good

The highest score of 4 were given to the parameters, " Q2 : Relevance of the Course Contents in tune with the VLSI and Allied 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 and has been rated as Excellent. It is clearly visible from the table that the parameters, "Q1 : Course Contents of MTech VLSI Curriculum is in tune with the Program Outcomes and "Q5 : Suggest any other points to improve the quality of the curriculum" obtained average equal score of 3.5 respectively and has been rated as Very Good.

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 IT Industry.

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

Feedback from faculty 2016-17 (Academic Year) - PG – MTech VLSI (VT)

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

Table 3: Analysis of feedback from faculty 2016–17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	33.3	66.7	0	0	0	4.333	Excellent
Q2	66.7	33.3	0	0	0	4.667	Excellent
Q3	66.7	33.3	0	0	0	4.667	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	33.3	33.3	0	0	3.996	Very Good
Q7	33.3	33.3	33.3	0	0	3.996	Very Good
Q8	66.7	33.3	0	0	0	4.667	Excellent

The highest score of 4.667 were given to the parameters "Q2: Contents of the curriculum enhances the core competencies and employability skills" , "Q3: Allocation of Credits to the Courses Satisfiable" and "Q8: Suggest any other points to improve the quality of the curriculum" and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q1: Curriculum designed is in tune with program Vision and Mission", "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", obtained average equal score of 4.333, respectively and has been rated as Excellent.

The parameters " Q6: Curriculum providing opportunity towards self-learning to meet the expectations" obtained the scores of 3.996 and has been rated as Very Good which clearly reflects the benefit towards the student expectations.

Feedback from Parents 2016-17 (Academic Year) - PG – MTech VLSI(VT)

The result derived in terms of percentage of Parents with common views, average score, and ratings is presented in Table 4.

Table 4: Analysis of feedback from Parents 2016–17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	33.3	66.7	0	0	0	4.333	Excellent
Q3	66.7	33.3	0	0	0	4.667	Excellent
Q4	66.7	33.3	0	0	0	4.667	Excellent
Q5	0	100	0	0	0	4	Excellent

The highest score of 5 was given to the parameter,"Q1: Satisfaction of Academic and Emotional Progression of your ward", and it has been rated as Excellent.

It is clearly visible from the table that the parameters, "Q3: Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University" and "Q4 : Your wards competency with the students from other Institutes" has been scored equally 4.667 and has been rated as Excellent.

It is clearly visible from the table that the parameter,"Q5 : Curriculum offered is in tune with current Industry needs obtained average score 4 each and has been rated as Excellent.

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 2016-17 (Academic Year) - PG – MTech VLSI (VT)

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	50	50	0	0	0	4.5	Excellent
Q2	75	25	0	0	0	4.75	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	25	50	25	0	0	4	Excellent
Q5	25	50	25	0	0	4	Excellent
Q6	0	75	25	0	0	3.75	Very Good
Q7	50	25	25	0	0	4.25	Excellent
Q8	50	50	0	0	0	4.5	Excellent

The highest score of 4.75 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" and "Q3: Courses offered in the curriculum serves the needs of VLSI and Allied Industries with an equal score of 4.5 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q7: Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" and "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable", and " Q5: Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas", was obtained average scores 4.25, 4 and 4respectively and has been rated as Excellent.

The parameters "Q6: Curriculum providing enable towards self-learning" obtained the score of 3.75 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. 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