VIGNAN'S
(Deemed to be University)
Estd. u/s 3 of UGC Act 1956

Department of Electronics & Communication Engineering.

Minutes of CDMC Meeting

05-02-2020

The members of Curriculum Design and Monitoring Committee for **MTech VLSI (VT)** program met on 05-02-2020 at CoE 'H' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. T. Pitchaiah	Chairman	
2.	Dr. N. Usharani	Member	
3.	Dr. M.Sarada	Member	
4.	Mr. P.J. Reginald	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 2019-20.

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

a. Employers suggested the following,
   a. Concentrate on Programming Courses.
   b. Introduce application oriented courses in the curriculum.
b. Alumni suggested the following
   a. Product development is to be introduced.
   b. Add advances courses with real time exposure.
c. Faculty suggested the following
   a. Introduce Technical seminars with the enhanced practical sessions.
   b. Offer some courses on online platform which promote self-learning.
d. Parents suggested the following
   a. Add employability courses.
   b. Needs more improvement to add industry oriented courses.
e. Students suggested the following
   a. Add Embedded methodologies into the curriculum
   b. Improve the project based learning in the curriculum.

Detailed feedback analysis report is enclosed as Annexure-I

2. Chairman – CDMC has briefed the draft curriculum to the members. (R20 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) Encourage the students to do projects related to societal needs.

(c) Introduce MOOCS/NPTEL courses to enhance self learning.

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

Chairman, CDMC

Annexure 1

Feedback from Alumni Students 2019-20 (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 2019–20

	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	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	0	100	0	0	0	4	Excellent

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

The highest score of 4 were given to the 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 ", and "Q5: Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry" and has been rated as Excellent.

Feedback from Employer 2019-20 (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 2019–20

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	0	66.7	33.3	0	0	3.667	Very Good
Q2	33.3	33.3	33.3	0	0	3.996	Very Good
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	0	33.3	66.7	0	0	3.333	Good

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

Q1. Course Contents of MTech VLSI Curriculum is in tune with the Program Outcomes

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

Q5. Suggest any other points to improve the quality of the curriculum

The highest score of 4 was given to the parameter,"Q3: Elective are in-line with the technology advancements in Modelling and Design Sectors" and "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 ,"Q2: "Relevance of the Course Contents in tune with the VLSI and Allied Industry Demands" and "Q1: Course Contents of MTech VLSI Curriculum is in tune with the Program Outcomes" obtained average scores 3.996 and 3.667 respectively and has been rated as Very Good.

The parameter, "Q5: Suggest any other points to improve the quality of the curriculum" obtained the score of 3.333 and has been rated as Good which will be considered and benefit the students towards the ECE and its related 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 ECE and its related Industries.

The feedback analysis given by employer reveals that by improving the required skills of Applicability and fulfilling the gap between industries to academia to enable Industry Demands helps the student to get placements.

Feedback from faculty 2019-20 (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 2019–20

	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

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. Suggest any other points to improve the quality of the curriculum

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

It is clearly visible from the table that the parameter "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","Q7: Number of theoretical courses and laboratory sessions sufficient to improve the technical and research skills of students" and " Q8: Suggest any other points to improve the quality of the curriculum " , obtained average score of 4.333 each and has been rated as Excellent.

Time to time meetings was 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 faculty technical skills and the courses placed in the curriculum supports.

Feedback from Parents 2019-20 (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 2019–20

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	75	25	0	0	0	4.75	Excellent
Q4	75	25	0	0	0	4.75	Excellent
Q5	0	100	0	0	0	4	Excellent

Feedback has been received from the Parents on the following five parameters:

Q1. Satisfaction of Academic and Emotional Progression 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 wards competency with the students from other Institutes

Q5. Curriculum offered is in tune with current Industry needs

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

The score of 4.75 were given to 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" and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q2: Satisfaction with the offered curriculum for your wards future endeavors" and "Q5: Curriculum offered is in tune with current Industry needs" obtained average score 4.5 and 4 respectively 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 2019-20 (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 2019 – 20

	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	0	75	0	0	25	3.25	Good
Q4	50	50	0	0	0	4.5	Excellent
Q5	0	75	25	0	0	3 75	Very Good
Q6	0	100	0	0	0	4	Excellent
Q7	0	75	25	0	0	3.75	Very Good
Q8	25	50	25	0	0	4	Excellent

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 VLSI 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 highest score of 4.5 were given to the parameters "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Q2: Course Contents designed offered enriches Core

Competencies" and "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q6: Curriculum providing enable towards self-learning" and "Q8: No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical and research skills"; obtained the average score is 4 each and has been rated as Excellent.

Average scores of 3.75 and 3.25 were obtained by the parameters "Q5: Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas", "Q7: Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" and "Q3: Courses offered in the curriculum serves the needs of VLSI and Allied Industries" respectively and rated as Very Good.

Chairman, CDMC