VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
-Estd. u/s 3 of UGC Act 1956 NAAC 'A'

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

Minutes of CDMC Meeting

11-05-2021

The members of Curriculum Design and Monitoring Committee for M.Tech VLSI (VT) met on 11-05-2021 in HoD Chamber, Department of ECE, '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

I. Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2020-21.

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

1. Employers suggested the following,
    a. The Curriculum is good and appreciable, the application oriented and industry relevant courses are added in the curriculum.
    b. More focus on Programming Courses
2. Alumni suggested the following
    a. Curriculum is satisfactory
    b. Curriculum is effective in developing innovative thinking
3. Faculty suggested the following
    a. More Lab sessions are required
4. Students suggested the following
    a. Present R-20 Curriculum is good and effective
    b. Industrial visits can be included in the curriculum

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 2020-21 (Academic Year) - PG – M.Tech 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 2020–21

	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
Q6	100	0	0	0	0	5	Excellent
Q7	100	0	0	0	0	5	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
Q6. Competency with your peers from other Institutions
Q7. Current curriculum meets the present industry demands

The highest score of 5 was given to the parameters "Q2: Course Contents of Curriculum are in tune with the Program Outcomes" and "Q4: The offering of the electives in relation to the Technological advancements and serve the needed in the industry" followed by "Q7: Current curriculum meets the present industry demands" with a score of 5 and has been rated as Excellent.

The parameters "Q3: Curriculum imparted all the required Job Oriented Skills", "Q5: Tools and Technologies learnt during laboratory sessions has enriched the skills", and "Q6: Competency with your peers from other Institutions" obtained the average scores of 5 each and has been rated as Excellent.

It is clearly visible from the table that the parameter "Q1: Curriculum has paved a good foundation in understanding the basic engineering concepts" obtained average score of 5 and has been rated as Excellent.

Feedback from Employer 2020-21 (Academic Year) - PG – M.Tech 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 2020–21

	Strongly Agree	Agree	Moderate	Disagree	Strongly disagree	Avg. Rating	Grade
Q1	83.3	0	0	0	0	4.165	**Excellent**
Q2	83.3	0	0	0	0	4.165	**Excellent**
Q3	83.3	0	0	0	0	4.165	**Excellent**
Q4	83.3	0	0	0	0	4.165	**Excellent**

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

Q1. Course Contents of M.Tech 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

The highest score of 4.165 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 4.165 each 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 2020-21 (Academic Year) - PG – M.Tech 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 2020–21

	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	100	0	0	0	0	5	Excellent
Q4	50	50	0	0	0	4.5	Excellent
Q5	100	0	0	0	0	5	Excellent
Q6	50	50	0	0	0	4.5	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	0	100	0	0	0	4	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 "Q2: Contents of the curriculum enhances the core competencies and employability skills " and has been rated as Excellent. It is clearly visible from the table that the parameter "Q3: Allocation of Credits to the Courses Satisfiable", "Q5: Electives offered in the program makes the faculty to explore latest technologies", "Q1: Curriculum designed is in tune

with program Vision and Mission","Q4: Electives offered in the program makes the faculty to explore latest technologies", "Q6: Curriculum providing opportunity towards self-learning to meet the expectations", obtained average score of 4.5. "Q8: Suggest any other points to improve the quality of the curriculum", obtained average score of 4 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 Students 2020-21 (Academic Year) - PG – M.Tech VLSI (VT)

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

Table 4: Analysis of feedback from students 2020– 21

	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
Q6	100	0	0	0	0	5	Excellent
Q7	0	100	0	0	0	4	Excellent
Q8	100	0	0	0	0	5	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 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 5 each and has been rated as Excellent.

Average scores of 5 and 4 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