



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

Department of Electronics and Communication Engineering.

Date: 07-01-2018

Re-Constitution of Curriculum Design and Monitoring Committee

The Head of the Department constituted the Curriculum Design and Monitoring Committee for MTech. VLSI (VT) Program.

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

Curriculum Design and Monitoring Committee is re-constituted for a term of three years. It analyses the feedback from the students and give inputs to the BOS.

Thanking you sir,


Head of the Department
Electronics and Communication Engineering

Copy to

1. The Vice Chancellor
2. The Registrar.
3. Dean, Academics.
4. ECE Faculty



VIGNAN'S
Foundation for Science, Technology & Research
UNIVERSITY
(ESTD BY THE U.P. LEGISLATIVE ASSEMBLY IN 1956)

Department of Electronics and Communication Engineering.

Date: 25-02-2018

Curriculum Design and Monitoring Committee

Circular

Curriculum Design and Monitoring Committee meeting for MTech VLSI (VT) Program is scheduled on 02-03-2018 in HOD's Chamber, 'H' block, of VFSTR. at 10:00 AM. The members of CDMC are requested to attend the meeting.


Chairman, CDMC



Department of Electronics & Communication Engineering.

Minutes of CDMC Meeting

02-03-2018

The members of Curriculum Design and Monitoring Committee for MTech VLSI (VT) program met on 02-03-2018 at VSF09, 'H' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Mr. T. Pitchaiah	Chairman	
2.	Dr. N. Usharani	Member	
3.	Mrs. 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 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 Electrical and Electronics 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

Annexure 1

Feedback from Alumni Students 2017-18 (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 2017-18

	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	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

FEEDBACK ANALYSIS

Feedback has been received from the Alumni students on the following five parameters:

Q1. Curriculum has paved a good foundation in understanding the basic engineering concepts

Q2. Course Contents of Curriculum are in tune with the Program Outcomes

Q3. Curriculum imparted all the required Job Oriented Skills

Q4. The offering of the electives in relation to the Technological advancements and serve the needed in the industry

Q5. Tools and Technologies learnt during laboratory sessions has enriched the skills

The highest score of 5 were given to the parameters “Q2: Course Contents of Curriculum fulfilled the specified Program Outcomes”, “Q4: Electives of Curriculum served the technical advancements needed to serve in the industry”, followed by “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” with a score of 4.5 each and has been rated as Excellent.

Feedback from Employer 2017-18 (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 2017–18

	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

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

- Q1. Course Contents of Curriculum are in tune with the Program Outcomes
- Q2. Curriculum helps in bridging gap between industry and academic institution.
- Q3. Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Electronics and Allied Industry.
- Q4. Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of electronics and allied industries.
- Q5. Curriculum develops skills to model and analyze the electronics and allied industrial issues.

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" 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,"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 scores 3.5 each and has been rated as Excellent.

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 2017-18 (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 2017–18

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	75	25	0	0	0	4.75	Excellent
Q2	50	50	0	0	0	4.5	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	75	25	0	0	0	4.75	Excellent
Q5	50	50	0	0	0	4.5	Excellent
Q6	75	25	0	0	0	4.75	Excellent
Q7	50	50	0	0	0	4.5	Excellent
Q8	50	50	0	0	0	4.5	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. Course Contents of Curriculum in tune with the Program Outcomes

Q3. The depth of the course content is adequate to have significant learning outcomes.

Q4. Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics

Q5. The practical enable to develop experimental, design, problem solving and analysis skills of the students

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 4.75 were given to the parameters "Q1: Curriculum designed is in tune with program Vision and Mission ", "Q4: Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics" and "Q6: Curriculum providing opportunity towards self-learning to meet the expectations' which has been rated as Excellent followed by "Q2: Course Contents of Curriculum in tune with the Program Outcomes ", "Q3: The depth of the course content is adequate to have significant learning outcomes", "Q5: The practical enable to develop experimental, design, problem solving and analysis skills of the students", "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", with scores of 4.5 each and has been rated as Excellent.

Feedback from Parents 2017-18 (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 2017–18

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	44.4	55.6	0	0	0	4.444	Excellent
Q3	77.8	22.2	0	0	0	4.778	Excellent
Q4	77.8	22.2	0	0	0	4.778	Excellent
Q5	0	100	0	0	0	4	Excellent

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

Q1. Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum

Q2.The academic flexibility embedded in the curriculum provides opportunities to students to pursue their interest by choosing from a vast number of pathways / electives from own area/specialization as well as from other areas.

Q3.Competency of your ward is on par with the students from other Universities/Institutes.

Q4.The curriculum has been designed to make your ward industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the electronics and allied industries.

Q5.Course Curriculum is of the global standard and is in tune with the needs of electronics and allied industries.

The highest score of 5 was given to the parameter "Q1: Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum "and rated as excellent followed by "Q3: Competency of your ward is on par with the students from other Universities/Institutes", and "Q4 : The curriculum has been designed to make your ward industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the electronics and allied industries" with a score of 4.778 each and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q2: The academic flexibility embedded in the curriculum provides opportunities to students to pursue their interest by choosing from a vast number of pathways / electives from own area/specialization as well as from other areas" and "Q5: Course Curriculum is of the global standard and is in tune with the needs of electronics and allied industries" obtained average scores of 4.444 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 2017-18 (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 2017 – 18

	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

- Q1. Course Contents of Curriculum are in tune with the Program Outcomes.
- Q2. The depth of the course content is adequate to have significant learning outcomes
- Q3. Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics.
- Q4. The practical's enable to develop experimental, design, problem solving and analysis skills of the students.
- Q5. The timely coverage of syllabus is possible in the mentioned number of hours.
- Q6. The Curriculum providing opportunity towards self-learning to realize the expectations.
- Q7. Rate the capability of the curriculum for improving ethical values in students
- Q8. The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students

The highest score of 4.75 was given to the parameter "Q2: The depth of the course content is adequate to have significant learning outcomes" followed by "Q1: Course Contents of

Curriculum are in tune with the Program Outcomes” ,”Q3: Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics” and “Q8: The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students”, with a score of 4.5 each and has been rated as Excellent.

It is clearly visible from the table that the parameters “Q7: The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students is a right mix and satisfiable” with a score of 4.25 and rated as Excellent, followed by “Q4: The practical’s enable to develop experimental, design, problem solving and analysis skills of the students” , “Q5: The timely coverage of syllabus is possible in the mentioned number of hours”, obtained average score 4 each and has been rated as Excellent.

The parameters “Q6: The Curriculum providing opportunity towards self-learning to realize the expectations” obtained the score of 3.75 and 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 student’s technical skills and the courses placed in the curriculum supports both the advanced learners as well as slow learners.


Chairman, CDMC