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

DEPARTMENT OF CIVILENGINEERING

Minutes of CDMC Meeting

07-02-2020

The members of Curriculum Design and Monitoring Committee for M. Tech Structural Engineering (MSE) program met on 07-02-2020 at AFF-10, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. N.Ruben Associate& Head	Chairman	
2.	Mr.P.Satish	Member	
3.	Mr.M.Anirudh	Member	
4.	Mr.B.J.N.Satish	Member	

Agenda of the meeting

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:

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.

Time to time meetings were conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students by considering their Employer's feedback.

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.

From the feedback analysis, provision of advanced laboratory equipment helps students in getting deep knowledge on the subject.

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

PG STUDENT FEEDBACK ANALYSIS

Feedback has been received from the students on the following nine parameters:

Q1. The Course Contents of Curriculum are in tune with the Program Outcomes

Q2. The Course Contents are designed to enable Problem Solving Skills and Core competencies

Q3. Courses placed in the curriculum serves the needs of both advanced and slow learners

Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable

Q5. Electives have enabled the passion to learn new technologies in emerging areas of Structural Engineering

Q6. The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs

Q7. Inclusion of Employability Orientation Program and Research Methodology in the curriculum is useful in career enhancement

Q8. No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Structural Engineering

Q9. Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students

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)

Feedback from Students 2019-20 (Academic Year) - PG – M. Tech (MSE)

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	75	25	0	0	0	4.75	Excellent
Q2	66.7	20.8	0	0	12.5	4.292	Excellent
Q3	29.2	45.8	16.7	8.3	0	3.959	Very Good
Q4	25	41.7	25	0	8.3	3.751	Very Good
Q5	12.5	62.5	8.3	4.2	12.5	3.583	Very Good
Q6	12.5	41.7	41.7	4.2	0	3.628	Very Good
Q7	20.8	45.8	29.2	0	4.2	3.79	Very Good
Q8	8.3	62.5	20.8	4.2	4.2	3.665	Very Good
Q9	12.5	54.2	29.2	4.2	0	3.753	Very Good

The highest score of 4.75 was given to the parameters "Q1: The Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Q2: The Course Contents are designed to enable Problem Solving Skills and Core competencies"; with a score of 4.292 has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners"; "Q7: Inclusion of Employability Orientation Program and Research Methodology in the curriculum is useful in career enhancement" and "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" obtained the average scores are 3.959; 3.79 and 3.751 respectively and has been rated as Very Good.

The parameters "Q8: No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Structural Engineering "; "Q9: Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students"; "Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs" and "Q5: Electives have enabled the passion to learn new technologies in emerging areas of Structural Engineering" and obtained the scores of 3.665;3.753; 3.628 and 3.583 respectively and has been rated as Very Good.

PG ALUMNI FEEDBACK ANALYSIS

Feedback has been received from the Alumni students on the following seven 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 enriched the research abilities to pursue higher education in the thrust areas of Computer Science.

Q4. Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry

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

Q6. Competing with your peers from other Universities.

Q7. Curriculum is superior to your studied Curriculum

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)

Feed Back from Alumni Students 2019-20 (Academic Year) - PG – M. Tech (MSE)

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

Table 2: Analysis of feedback from Alumni students 2019 – 20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	61.5	30.8	0	7.7	0	4.461	Excellent
Q2	69.2	30.8	0	0	0	4.692	Excellent
Q3	61.5	38.5	0	0	0	4.615	Excellent
Q4	69.2	30.8	0	0	0	4.692	Excellent
Q5	61.5	38.5	0	0	0	4.615	Excellent
Q6	53.8	38.5	7.7	0	0	4.461	Excellent
Q7	30.8	69.2	0	0	0	4.308	Excellent

The highest score of 4.692 was given to the parameters "Course Contents of Curriculum are in tune with the Program Outcomes", and "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum imparted all the required Job Oriented Skills" and "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" with a score of 4.615 has been rated as Excellent.

The parameters "Curriculum has paved a good foundation in understanding the basic engineering concepts." ,"Ability to compete with your peers from other Universities" and "Current Curriculum is superior to your studied Curriculum" obtained the scores of 4.461 ,4.461 and 4.308 has been rated as Excellent

PG FACULTY FEEDBACK ANALYSIS

Feedback has been received from the Faculty on the following nine parameters:

Q1: The Course Contents of Curriculum are in tune with the Program Outcomes

Q2: Course Contents can enhance the Problem Solving Skills and Core competencies

Q3: Allocation of Credits to the Courses are Satisfiable

Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable

Q5: Electives enable the passion to learn new technologies in emerging areas of Structural Engineering

Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs

Q7: The inclusion of Employability Orientation Program and Research Methodology in the curriculum Satisfiable

Q8: The number of theoretical courses amalgamated with laboratory sessions are sufficient to improve the technical skills of students

Q9: Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students

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 categorizationis carried based on Excellent (≥4); Very Good (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

Feedback from faculty 2019-20 (Academic Year) - PG – M. Tech (MSE)

The result derived in terms of percentage of faculty with common views, average score, and ratings is presented in Table 5.

Table 5: Analysis of feedback from faculty 2019–20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	46.7	40	6.7	0	6.7	3.403	Good
Q2	53.3	40	0	6.7	0	3.599	Very Good
Q3	46.7	53.3	0	0	0	3.667	Very Good
Q4	46.7	40	13.3	0	0	3.534	Very Good
Q5	60	40	0	0	0	3.6	Very Good
Q6	53.3	13.3	26.7	6.7	0	3.532	Very Good
Q7	53.3	40	6.7	0	0	3.666	Very Good
Q8	60	26.7	13.3	0	0	3.467	Good
Q9	60	26.7	6.7	6.7	0	3.403	Good

The highest score of 3.67 was given to the parameter "Q3: Allocation of Credits to the Courses are Satisfiable", "Q7: The inclusion of Employability Orientation Program and Research Methodology in the curriculum Satisfiable " followed by " Q5: Electives enable the passion to learn new technologies in emerging areas of Structural Engineering", "Q2: Course Contents can enhance the Problem Solving Skills and Core competencies", "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable", "Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs" with a score of 3.6, 3.599, 3.534 and 3.532 has been rated as very good.

It is clearly visible from the table that the parameters "Q8: The number of theoretical courses amalgamated with laboratory sessions are sufficient to improve the technical skills of students", "Q1 and Q9: The Course Contents of Curriculum are in tune with the Program Outcomes", and Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students ", with a score of 3.467 and 3.403 has been rated as very good.

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.

PG EMPLOYER FEEDBACK ANALYSIS

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

Q1. The Course Contents of Curriculum are in tune with the Program Outcomes

Q2. The Course Contents are enriching the Construction Industry Demands and Research Needs

Q3. Core Electives and Open Elective are in-line with the technology advancements

Q4. Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices

Q5. Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be place in Public Sector Units, MNC's, Government Sectors and Research Agencies.

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)

Feedback from Employer 2019-20 (Academic Year) - PG – M. Tech (MSE))

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

Table 4: Analysis of feedback from Employer 2019-20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	86.7	13.3	0	0	0	4.867	Excellent
Q2	86.7	13.3	0	0	0	4.867	Excellent
Q3	53.3	46.7	0	0	0	4.533	Excellent
Q4	60	20	20	0	0	4.4	Excellent
Q5	33.3	13.3	26.7	26.7	0	3.532	Very Good

The highest score of 4.867 was given to the parameters "The Course Contents of Curriculum are in tune with the Program Outcomes" and "The Course Contents are enriching the Construction Industry Demands and Research Needs" and has been rated as 4.867.

It is clearly visible from the table that the parameters "Core Electives and Open Elective are in-line with the technology advancements" and "Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing

Construction Practices" obtained average scores 4.533 and 4.4 respectively and has been rated as Excellent.

The parameter "Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be place in Public Sector Units, MNC's, Government Sectors and Research Agencies" obtained the scores of 3.532 and has been rated as Excellent which will be considered and benefit the students towards the Construction 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 Construction Industry.

The feedback analysis given by employer reveals that Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in Construction Industry.

PG PARENTS FEEDBACK ANALYSIS

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

1. Curriculum enhances the intellectual aptitude of your ward
2. Curriculum realizes the personality development and technical skilling of your ward
3. Satisfaction about the Academic, Emotional Progression of your ward
4. Competency of your ward is on par with the students from other Universities/Institutes
5. Course Curriculum is of the global standard and is in tune with the needs of construction 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)

Feedback from Parents 2019-20 (Academic Year) - PG – M. Tech (MSE)

The result derived in terms of percentage of Parents with common views, average score, and ratings is presented in Table 5.

Table 5: Analysis of feedback from Parents 2019 – 20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
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	50	50	0	0	0	4.5	Excellent

The highest score of 5 was given to the parameter "Competency of your ward is on par with the students from other Universities/Institutes", followed by "Curriculum enhances the intellectual aptitude of your ward", "Curriculum realizes the personality development and technical skilling of your ward", "Satisfaction about the Academic, Emotional Progression of your ward" and "Course Curriculum is of the global standard and is in tune with the needs of construction Industry " has been rated as Excellent with average score of 4.5

Head of Department and Chairman – CDMC
M.Tech – Structural Engineering
Department of Civil Engineering