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

DEPARTMENT OF CIVL ENGINEERING

Minutes of CDMC Meeting

07-03-2019

The members of Curriculum Design and Monitoring Committee for M.Tech Structural Engineering (MSE)program met on 07-03-2019 at AFF-10, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. N.Ruben Associate Professor& Head	Chairman	
2.	Mr.P.Sathish	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 2018-19.

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.

Times 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 2018-19 (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 1.

Table 1: Analysis of feedback from students 2018 – 19

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	80.6	19.4	0	0	0	4.806	Excellent
Q2	63.9	25	0	0	8.3	4.278	Excellent
Q3	41.7	38.9	11.1	5.6	0	4.086	Excellent
Q4	41.7	27.8	22.2	0	5.6	3.919	Very Good
Q5	27.8	47.2	11.1	2.8	8.3	3.75	Very Good
Q6	13.9	47.2	33.3	2.8	0	3.638	Very Good
Q7	27.8	50	16.7	0	2.8	3.919	Very Good
Q8	22.2	52.8	16.7	2.8	2.8	3.807	Very Good
Q9	22.2	47.2	25	5.6	0	3.86	Very Good

The highest score of 4.806 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 4.278 and "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners"; with a score of 4.086 has been rated as Excellent.

It is clearly visible from the table that the parameters "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable"; "Q7: Inclusion of Employability Orientation Program and Research Methodology in the curriculum is useful in career enhancement" and "Q9: Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students" obtained the average scores are 3.919; 3.919 and 3.86 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"; "Q5: Electives have enabled the passion to learn new technologies in emerging areas of Structural Engineering" and "Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs" and obtained the scores of 3.807; 3.75 and 3.638 respectively and has been rated as Very Good.

PG ALUMINI 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 2018-19 (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 3.

Table 3: Analysis of feedback from Alumni students 2018 – 19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	61.5	23.1	15.4	0	0	4.461	Excellent
Q2	69.2	15.4	7.7	7.7	0	4.461	Excellent
Q3	30.8	53.8	15.4	0	0	4.154	Excellent
Q4	38.5	61.5	0	0	0	4.385	Excellent
Q5	23.1	23.1	53.8	0	0	3.693	Very Good
Q6	7.7	61.5	30.8	0	0	3.769	Very Good
Q7	30.8	46.2	7.7	15.4	0	3.927	Very Good

The highest score of 4.461 was given to the parameters "Curriculum has paved a good foundation in understanding the basic engineering concepts.", and "Course Contents of Curriculum are in tune with the Program Outcomes" has been rate as Excellent.

It is clearly visible from the table that the parameters "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry", and "Curriculum imparted all the required Job Oriented Skills "with a scores of 4.385 and 4.154 respectively and has been rated as Excellent

The parameters "Current Curriculum is superior to your studied Curriculum", "Ability to compete with your peers from other Universities" and "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" obtained the scores of 3.927, 3.769 and 3.693 respectively and has been rated as Very Good.

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

Feedback from faculty 2018-19 (Academic Year) - PG – M.Tech (MSE)

The result derived in terms of percentage of faculty with common views, average score, and ratings are presented in Table 40.

Table 4: Analysis of feedback from faculty 2018–19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	90.5	9.5	0	0	0	4.905	Excellent
Q2	81	19	0	0	0	4.81	Excellent
Q3	90.5	9.5	0	0	0	4.905	Excellent
Q4	85.7	14.3	0	0	0	4.857	Excellent
Q5	76.2	23.8	0	0	0	4.762	Excellent
Q6	90.5	9.5	0	0	0	4.905	Excellent
Q7	90.5	9.5	0	0	0	4.905	Excellent
Q8	90.5	0	9.5	0	0	4.81	Excellent
Q9	95.2	4.8	0	0	0	4.952	Excellent

The highest score of 4.952 was given to the parameter " Q9: Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students " followed by "Q1,Q3,Q6,Q7: The Course Contents of Curriculum are in tune with the Program Outcomes, Curriculum is providing opportunity towards self-learning, Allocation of Credits to the Courses are Satisfiable, The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs and The inclusion of Employability Orientation Program and Research Methodology in the curriculum Satisfiable" with recorded as 4.905 and rated with Excellent.

Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable ", "Q8: The number of theoretical courses amalgamated with laboratory sessions are sufficient to improve the technical skills of students" "Q5: Electives enable the passion to learn new technologies in emerging areas of Structural Engineering" with a scores of 4.857, 4.81, 4.762 rated as Excellent.

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 2018-19 (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 2018-19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	89.3	10.7	0	0	0	4.893	Excellent
Q2	89.3	10.7	0	0	0	4.893	Excellent
Q3	67.9	32.1	0	0	0	4.679	Excellent
Q4	64.3	25	10.7	0	0	4.536	Excellent
Q5	28.6	32.1	17.9	7.1	7.1	3.464	Good

The highest score of 4.893 was given to the parameter "The Course Contents of Curriculum are in tune with the Program Outcomes" and has been rated as Excellent.

It is clearly visible from the table that the three parameters "The Course Contents are enriching the Construction Industry Demands and Research Needs", "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 4.893,4.679 and 4.536 has been rated as Excellent.

The parameter "Tools and technologies described in the curriculum are enough to design and develop new applications of Construction Industry." obtained the scores of 3.464 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 by fulfilling the ever- evolving needs of Construction Industry and improving the required skills of Construction and Construction enabled Industry Demands helps the student to get placements.

PG PARENT 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 2018-19 (Academic Year) - PG – M. Tech (MSE)

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

Table 4: Analysis of feedback from Parents 2018 – 19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	25	75	0	0	0	4.25	Excellent
Q2	25	50	25	0	0	4	Excellent
Q3	25	75	0	0	0	4.25	Excellent
Q4	25	75	0	0	0	4.25	Excellent
Q5	25	50	25	0	0	4	Excellent

The highest score of 4.25 was given to the parameter "Curriculum enhances the intellectual aptitude of your ward", "Satisfaction about the Academic, Emotional Progression of your ward", "Competency of your ward is on par with the students from other Universities/Institutes." followed by "Curriculum realizes the personality development and technical skilling of your ward", "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.

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