DEPARTMENT OF CIVIL ENGINEERING
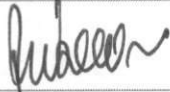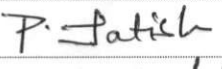## Minutes of CDMC Meeting

07-04-2018

The members of Curriculum Design and Monitoring Committee for M.Tech Structural Engineering (MSE)program met on 07-04-2018 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.Padma Rao	Member	
2.	Mr.P.Sathish	Member	
3.	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 2017-18.

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.
- Majority of Stake Holders have suggested to conduct more number of laboratory sessions to improve practical knowledge of students, Hence it is recommended to integrate some of the theory courses along with laboratory sessions.
- Various stakeholders suggested giving credits for employability courses and research methodology to create seriousness and importance in those courses.
- Time to time meetings was 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 2017-18 (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 students 2017 – 18

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	65.8	31.6	2.6	0	0	4.632	Excellent
Q2	65.8	31.6	0	0	0	4.554	Excellent
Q3	42.1	42.1	13.2	0	0	4.185	Excellent
Q4	44.7	31.6	21.1	0	0	4.132	Excellent
Q5	36.8	55.3	5.3	0	0	4.211	Excellent
Q6	21.1	57.9	18.4	0	0	3.923	Very Good
Q7	31.6	57.9	7.9	0	0	4.133	Excellent
Q8	28.9	57.9	10.5	0	0	4.076	Excellent
Q9	42.1	42.1	13.2	2.6	0	4.237	Excellent

The highest score of 4.632 was given to the parameter "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 4.554 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q9: Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students" and "Q5: Electives have enabled the passion to learn new technologies in emerging areas of Structural Engineering" obtained the average scores are 4.237 and 4.211 respectively and has been rated as Excellent.

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"; "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and "Q8: No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Structural Engineering" obtained the scores of 4.185; 4.133 ; 4.132 and 4.076 respectively and has been rated as Excellent.

Average score of 3.923 was obtained by the parameter "Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations of present trend in design and research needs".

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 2017-18 (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 2017 – 18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	63.6	36.4	0	0	0	4.636	Excellent
Q2	72.7	27.3	0	0	0	4.727	Excellent
Q3	63.6	27.3	9.1	0	0	4.545	Excellent
Q4	63.6	36.4	0	0	0	4.636	Excellent
Q5	63.6	9.1	18.2	9.1	0	4.272	Excellent
Q6	72.7	27.3	0	0	0	4.727	Excellent
Q7	63.6	36.4	0	0	0	4.636	Excellent

The highest score of 4.727 was given to the parameters "Course Contents of Curriculum are in tune with the Program Outcomes", "Ability to compete with your peers from other Universities" has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum has paved a good foundation in understanding the basic engineering concepts." "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" and "Current Curriculum is superior to your studied Curriculum "with a score of 4.636 and has been rated as Excellent.

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 scores of 4.545 and 4.272 respectively and 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 ($\geq 3.5 \& < 4$); Good ($\geq 3 \& < 3.5$); Moderate ($> 2 \& < 3$) and Unsatisfactory (< 2)

Feedback from faculty 2017-18 (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 3.

Table 3: Analysis of feedback from faculty 2017–18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	50	40	10	0	0	3.2	Good
Q2	35	65	0	0	0	3.15	Good
Q3	50	40	0	0	0	3.3	Good
Q4	45	55	0	0	0	3.25	Good
Q5	45	50	5	0	0	3.2	Good
Q6	45	50	5	0	0	3.2	Good
Q7	45	50	5	0	0	3.2	Good
Q8	45	50	0	0	5	3.1	Good
Q9	40	50	5	5	0	3.1	Good

The highest score of 3.3 was given to the parameter Q3: Allocation of Credits to the Courses are Satisfiable" followed by "Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and "Q1,Q5,Q6 and Q7: The Course Contents of Curriculum are in tune with the Program Outcomes, Electives enable the passion to learn new technologies in emerging areas of Structural Engineering, 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 " are recorded as 3.2 and has been rated as good.

It is clearly visible from the table that the parameters "Q2: Course Contents can enhance the Problem Solving Skills and Core competencies ", "Q8 and Q9: The number of theoretical courses amalgamated with laboratory sessions are sufficient to improve the technical skills of students ", and Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students " obtained average scores 3.1

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 2017-18 (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 2017 – 18

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	90.3	9.7	0	0	0	4.903	Excellent
Q2	96.8	3.2	0	0	0	4.968	Excellent
Q3	77.4	22.6	0	0	0	4.774	Excellent
Q4	61.3	19.4	19.4	0	0	4.423	Excellent
Q5	38.7	16.1	25.8	16.1	0	3.675	Very Good

The highest score of 4.968 was given to the parameters "The Course Contents are enriching the Construction Industry Demands and Research Needs" followed by "The Course Contents of Curriculum are in tune with the Program Outcomes" with a score of 4.903 and has been rated as Very Good.

It is clearly visible from the table that the parameter "Core Electives and Open Elective are in-line with the technology advancements" obtained average score 4.774 and has been rated as Very Good.

The parameters "Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices" and "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 4.423 and 3.675 has been rated as Good 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.

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 2017-18 (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 3.

Table 3: Analysis of feedback from Parents 2017 – 18

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

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

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