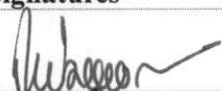

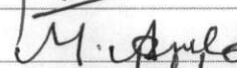
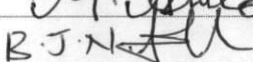


DEPARTMENT OF CIVIL ENGINEERING
Minutes of CDMC Meeting

10-03-2018

The members of Curriculum Design and Monitoring Committee for B.Tech Civil Engineering program met on 10-03-2018 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	
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 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.

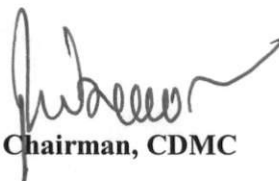
Time to time meetings was conducted at the department level to leverage new and advanced techniques to combat the learning difficulties of the students by considering their Employer's feedback.

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.

The feedback analysis reveals that updating the laboratory with advance equipment helped students better understanding of subject and improved employment opportunities.

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

UG 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 Civil Engineering
- Q6.The Curriculum is providing opportunity towards Self learning to realize the expectations
- Q7.Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable
- Q8.No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Civil Engineering
- Q9.Inclusion of Minor Projects with Theory Courses have enhanced the technical competency and leadership skills.

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) - UG – B. Tech (CIVIL)

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 2017 – 18

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	67.8	30.5	1.7	0	0	4.661	Excellent
Q2	66.1	31.6	0.6	0	1.7	4.604	Excellent
Q3	54.8	35.6	7.3	2.3	0	4.429	Excellent
Q4	45.8	40.1	11.9	0.6	1.7	4.28	Excellent
Q5	34.5	48.6	15.3	1.1	0.6	4.156	Excellent
Q6	40.7	42.9	15.3	1.1	0	4.232	Excellent
Q7	37.3	51.4	10.7	0	0.6	4.248	Excellent
Q8	28.2	60.5	10.7	0.6	0	4.163	Excellent
Q9	21.5	54.8	19.2	3.4	1.1	3.922	Very Good

The highest score of 4.661 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 4.604 and “Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners” obtained the average score of 4.429 and 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: Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable” and “Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations” obtained average scores 4.28; 4.248 and 4.232 respectively and has been rated as Excellent.

Average scores of 4.163; 4.156 and 3.922 were obtained by the parameters “Q8: No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Civil Engineering”; “Q5: Electives have enabled the passion to learn new technologies in emerging areas of Civil Engineering” and “Q9: Inclusion of Minor Projects with Theory Courses have enhanced the technical competency and leadership skills”.

UG 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 imparted all the required Job Oriented Skills

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. Ability to compete with your peers from other Universities

Q7. Current Curriculum is superior to your studied Curriculum

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)

Feed Back from Alumni Students 2017-18 (Academic Year) - UG – B. Tech (CIVIL)

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	61.9	33.3	4.8	0	0	4.571	Excellent
Q2	81	19	0	0	0	4.81	Excellent
Q3	76.2	23.8	0	0	0	4.762	Excellent
Q4	90.5	9.5	0	0	0	4.905	Excellent
Q5	85.7	14.3	0	0	0	4.857	Excellent
Q6	61.9	33.3	4.8	0	0	4.571	Excellent
Q7	57.1	28.6	14.3	0	0	4.428	Excellent

The highest score of 4.905 was given to the parameter “Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry” followed by “Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills” with a score of 4.857 and has been rated as Excellent.

It is clearly visible from the table that the parameters “Course Contents of Curriculum are in tune with the Program Outcomes”, “Curriculum imparted all the required Job Oriented Skills”, “Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills” “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 average scores of 4.81, 4.762, 4.571, 4.571 and 4.428 and has been rate as Excellent.

UG FACULTY FEEDBACK ANALYSIS

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

- Q1. Course Contents of Curriculum are in tune with the Program Outcomes
- Q2. Course Contents enhance the Problem-Solving Skills and Core competencies
- Q3. Allocations of Credits to the Courses are satisfiable
- Q4. Contact Hour Distribution among the various Course Components (LTP) is Justifiable
- Q5. Electives enable the passion to learn new technologies in emerging areas
- Q6. Curriculum is providing opportunity towards Self learning
- Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable
- Q8. Courses with laboratory sessions are sufficient to improve the technical skills of students
- Q9. Inclusion of Minor/ Mini Projects improved the technical 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 faculty 2017-18 (Academic Year) - UG – B. Tech (CIVIL)

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	85	15	0	0	0	4.85	Excellent
Q2	75	25	0	0	0	4.75	Excellent
Q3	80	20	0	0	0	4.8	Excellent
Q4	70	25	5	0	0	4.65	Excellent
Q5	65	25	10	0	0	4.55	Excellent
Q6	70	25	5	0	0	4.65	Excellent
Q7	85	15	0	0	0	4.85	Excellent
Q8	60	35	5	0	0	4.55	Excellent
Q9	70	15	0	15	0	4.4	Excellent

The highest score of 4.85 was given to the parameter "Q1 and Q7: Course Contents of Curriculum are in tune with the Program Outcomes" and "Q7: Curriculum is providing opportunity towards Self learning" followed by "Q3: Allocations of Credits to the Courses are satisfiable", Q2: Course Contents enhance the Problem-Solving Skills and Core competencies" with a scores of respectively 4.800 and 4.750 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q4 and Q6: Courses with laboratory sessions are sufficient to improve the technical skills of students and Electives enable the passion to learn new technologies in emerging areas" are scored as 4.65, "Q5: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students", "Q8: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable", and "Q9: Contact Hour Distribution among the various Course Components (LTP) is Justifiable", obtained average scores 4.55, 4.55 and 4.4 respectively and has been rated as Excellent.

UG 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
- 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 placed in Public Sector Units, MNC's and Government Sectors

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) - UG – B. Tech (CIVIL)

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	63	37	0	0	0	4.63	Excellent
Q2	63	37	0	0	0	4.63	Excellent
Q3	74.1	25.9	0	0	0	4.741	Excellent
Q4	74.1	18.5	7.4	0	0	4.667	Excellent
Q5	70.4	18.5	11.1	0	0	4.593	Excellent

The highest score of 4.741 was given to the parameter “Core Electives and Open Elective are in-line with the technology advancements” followed by “Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices” with a score of 4.667 and has been rated as Excellent.

It is clearly visible from the table that the parameters “The Course Contents of Curriculum are in tune with the Program Outcomes” and “The Course Contents are enriching the Construction Industry Demands” obtained average scores 4.63 and 4.63 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 placed in Public Sector Units, MNC’s and Government Sectors” obtained the scores of 4.593 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.

UG 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 2017-18 (Academic Year) - UG – B. Tech (CIVIL)

The result derived in terms of percentage of Parents with common views, average score, and ratings is 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	57.1	35.7	7.1	0	0	4.496	Excellent
Q2	57.1	28.6	7.1	7.1	0	4.354	Excellent
Q3	35.7	57.1	0	0	7.1	4.14	Excellent
Q4	57.1	35.7	0	0	7.1	4.354	Excellent
Q5	57.1	35.7	0	7.1	0	4.425	Excellent

The highest score of 4.496 was given to the parameter "Course Curriculum is of the global standard and is in tune with the needs of construction Industry" followed by "Curriculum realizes the personality development and technical skilling of your ward", "Competency of your ward is on par with the students from other Universities/Institutes" with a score of 4.354 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum enhances the intellectual aptitude of your ward" and "Satisfaction about the Academic, Emotional Progression of your ward" obtained average score 4.283 and 4.14 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.



Head of Department and Chairman – CDMC
B.Tech – Civil Engineering
Department of Civil Engineering