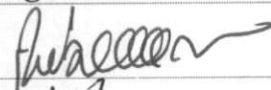
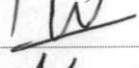
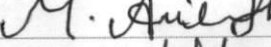
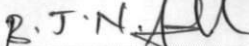




**DEPARTMENT OF CIVIL ENGINEERING**  
**Minutes of CDMC Meeting**

11-03-2020

The members of Curriculum Design and Monitoring Committee for B. Tech Civil Engineering program met on 11-03-2020 at AFF-10, 'U' block, of VFSTR. The following members attended the meeting.

| S.No | Members                          | Designation | Signatures  |
|------|----------------------------------|-------------|---|
| 1.   | Dr. N. Ruben<br>Associate & Head | Chairman    |  |
| 2.   | Mr. P. Padmarao                  | 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.

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 ( $\geq 4$ ); Very Good ( $\geq 3.5$  &  $< 4$ ); Good ( $\geq 3$  &  $< 3.5$ ); Moderate ( $> 2$  &  $< 3$ ) and Unsatisfactory ( $< 2$ )

### Feedback from Students 2019 - 20 (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 2019 – 20**

|    | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade     |
|----|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1 | 74.1           | 25    | 0.9      | 0        | 0                 | 4.732       | Excellent |
| Q2 | 66.1           | 32.1  | 1.8      | 0        | 0                 | 4.643       | Excellent |
| Q3 | 61.6           | 32.1  | 5.4      | 0.9      | 0                 | 4.544       | Excellent |
| Q4 | 59.8           | 29.5  | 9.8      | 0        | 0.9               | 4.473       | Excellent |
| Q5 | 55.4           | 35.7  | 8.9      | 0        | 0                 | 4.465       | Excellent |
| Q6 | 53.6           | 39.3  | 6.3      | 0.9      | 0                 | 4.459       | Excellent |
| Q7 | 41.1           | 50    | 8.9      | 0        | 0                 | 4.322       | Excellent |
| Q8 | 31.3           | 52.7  | 14.3     | 0.9      | 0.9               | 4.129       | Excellent |
| Q9 | 19.6           | 50.9  | 23.2     | 4.5      | 1.8               | 3.82        | Very Good |

The highest score of 4.732 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 4.643; “Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners” obtained the average score of 4.544 and “Q4: Contact Hour Distribution among the various Course Components (LTP) is Satisfiable” with a average score of 4.473 and has been rated as Excellent.

It is clearly visible from the table that the parameters “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” and “Q8: No. of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Civil Engineering” obtained the average scores are 4.465; 4.459; 4.322 and 4.129 respectively and has been rated as Excellent.

Average scores of 3.82 were obtained by the parameter “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 ( $\geq 4$ ); Very Good ( $\geq 3.5$  &  $< 4$ ); Good ( $\geq 3$  &  $< 3.5$ ); Moderate ( $> 2$  &  $< 3$ ) and Unsatisfactory ( $< 2$ )

### Feed Back from Alumni Students 2019-20 (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 2019 – 20**

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Average Score | Rating    |
|------------|----------|----------|----------|----------|----------|---------------|-----------|
| Q1         | 72.4     | 27.6     | 0        | 0        | 0        | 4.724         | Excellent |
| Q2         | 84.2     | 13.8     | 2        | 0        | 0        | 4.822         | Excellent |
| Q3         | 53.9     | 38.2     | 7.9      | 0        | 0        | 4.46          | Excellent |
| Q4         | 78.9     | 19.1     | 2        | 0        | 0        | 4.769         | Excellent |
| Q5         | 74.3     | 18.4     | 7.2      | 0        | 0        | 4.667         | Excellent |
| Q6         | 73       | 20.4     | 6.6      | 0        | 0        | 4.664         | Excellent |
| Q7         | 62.5     | 28.3     | 3.3      | 5.3      | 0.7      | 4.469         | Excellent |

The highest score of 4.822 was given to the parameter “Course Contents of Curriculum are in tune with the Program Outcomes” followed by “Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry” and

“Curriculum has paved a good foundation in understanding the basic engineering concepts” with a score of 4.769 and 4.724 respectively has been rated as Excellent.

The parameters “Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills” and “Ability to compete with your peers from other Universities”, obtained the average scores of 4.667 and 4.664 and rated as Excellent

It is clearly visible from the table that the parameter “Current Curriculum is superior to your studied Curriculum” and “Curriculum imparted all the required Job Oriented Skills” obtained average score of 4.469 and 4.46 has been rated 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 ( $\geq 4$ ); Very Good ( $\geq 3.5$  &  $< 4$ ); Good ( $\geq 3$  &  $< 3.5$ ); Moderate ( $> 2$  &  $< 3$ ) and Unsatisfactory ( $< 2$ )



### Feedback from faculty 2019-20 (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 2019–20**

| Parameters | Rating 5 | Rating 4 | Rating 3 | Rating 2 | Rating 1 | Average Score | Rating    |
|------------|----------|----------|----------|----------|----------|---------------|-----------|
| Q1         | 66.7     | 26.7     | 0        | 0        | 6.7      | 4.47          | Excellent |
| Q2         | 80       | 20       | 0        | 0        | 0        | 4.8           | Excellent |
| Q3         | 46.7     | 53.3     | 0        | 0        | 0        | 4.467         | Excellent |
| Q4         | 66.7     | 26.7     | 6.7      | 0        | 0        | 4.604         | Excellent |
| Q5         | 46.7     | 53.3     | 0        | 0        | 0        | 4.467         | Excellent |
| Q6         | 66.7     | 13.3     | 20       | 0        | 0        | 4.467         | Excellent |
| Q7         | 73.3     | 26.7     | 0        | 0        | 0        | 4.733         | Excellent |
| Q8         | 26.7     | 53.3     | 20       | 0        | 0        | 4.067         | Excellent |
| Q9         | 60       | 20       | 0        | 20       | 0        | 4.2           | Excellent |

The highest score of 4.8 was given to the parameter "Q2: Curriculum is providing opportunity towards Self learning" and ", "Q7: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students" is recorded as 4.733 followed by "Q4: Course Contents enhance the Problem-Solving Skills and Core competencies", "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" with a scores are of 4.604 and 4.47 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3,Q5 and Q6: Allocations of Credits to the Courses are satisfiable, 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 4.467. Q9: Contact Hour Distribution among the various Course Components (LTP) is Justifiable",Q8: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable" obtained average scores 4.2 and 4.067 respectively and has been rated as Excellent.

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.

## 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 ( $\geq 4$ ); Very Good ( $\geq 3.5$  &  $< 4$ ); Good ( $\geq 3$  &  $< 3.5$ ); Moderate ( $> 2$  &  $< 3$ ) and Unsatisfactory ( $< 2$ )

### Feedback from Employer 2019-20 (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 2019-20**

| Parameters | Rating<br>5 | Rating<br>4 | Rating<br>3 | Rating<br>2 | Rating<br>1 | Average<br>Score | Rating    |
|------------|-------------|-------------|-------------|-------------|-------------|------------------|-----------|
| Q1         | 84.2        | 15.8        | 0           | 0           | 0           | 4.842            | Excellent |
| Q2         | 100         | 0           | 0           | 0           | 0           | 5                | Excellent |
| Q3         | 84.2        | 15.8        | 0           | 0           | 0           | 4.842            | Excellent |
| Q4         | 68.4        | 0           | 15.8        | 15.8        | 0           | 4.21             | Excellent |
| Q5         | 68.4        | 0           | 15.8        | 15.8        | 0           | 4.21             | Excellent |

The highest score of 5 was given to the parameters “The Course Contents are enriching the Construction Industry Demands” and “The Course Contents of Curriculum are in tune with the Program Outcomes” and has been rated as 4.842.

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 4.842 and 4.21 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 4.21 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.

### **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 ( $\geq 4$ ); Very Good ( $\geq 3.5$  &  $< 4$ ); Good ( $\geq 3$  &  $< 3.5$ ); Moderate ( $> 2$  &  $< 3$ ) and Unsatisfactory ( $< 2$ )

#### **Feedback from Parents 2019-20 (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 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         | 46.7     | 40       | 13.3     | 0        | 0        | 4.334         | Excellent |
| Q2         | 46.7     | 36.7     | 16.7     | 0        | 0        | 4.304         | Excellent |
| Q3         | 36.7     | 50       | 13.3     | 0        | 0        | 4.234         | Excellent |
| Q4         | 46.7     | 40       | 13.3     | 0        | 0        | 4.334         | Excellent |
| Q5         | 46.7     | 40       | 13.3     | 0        | 0        | 4.334         | Excellent |



The highest score of 4.334 were given to the parameter "Competency of your ward is on par with the students from other Universities/Institutes", "Course Curriculum is of the global standard and is in tune with the needs of construction Industry", "Curriculum enhances the intellectual aptitude of your ward" followed by "Curriculum realizes the personality development and technical skilling of your ward", "Satisfaction about the Academic, Emotional Progression of your ward" with a score of 4.304 and 4.234 respectively 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**  
Department of Civil engineering