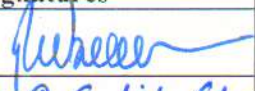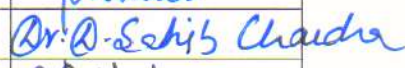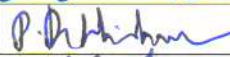## DEPARTMENT OF CIVIL ENGINEERING

Minutes of CDMC Meeting

09-03-2021

The members of Curriculum Design and Monitoring Committee for B.Tech Civil Engineering program held on 09-03-2021 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.	Dr. D. Satish Chandra	Member	
3.	Dr.P.Parthiban	Member	
4.	Mr. M.Anirudh	Member	

Agenda of the meeting:

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty and Students during the academic year 2020-21.

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.

Software courses need to be incorporated for the students to have a global reach.

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

Feedback from Students 2020-21 (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 2020–21

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	94.4	5.6	0	0	0	4.944	Excellent
Q2	81.5	16.7	1.9	0	0	4.8	Excellent
Q3	88.9	11.1	0	0	0	4.889	Excellent
Q4	79.6	20.4	0	0	0	4.796	Excellent
Q5	87	13	0	0	0	4.87	Excellent
Q6	74.1	25.9	0	0	0	4.741	Excellent
Q7	83.3	16.7	0	0	0	4.833	Excellent
Q8	74.1	18.5	7.4	0	0	4.667	Excellent
Q9	72.2	20.4	7.4	0	0	4.648	Excellent

The highest score of 4.944 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 as well as Incorporation of Software courses" with a score of 4.8; "Q3:Courses placed in the curriculum serves the needs of both advanced and slow learners" obtained the average score of 4.889 and "Q4:Contact Hour Distribution among the various Course Components (LTP) is Satisfiable"with a average score of 4.796 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 4.741; 4.833; 4.667 and 4.648 respectively and has been rated as Excellent.

Average scores of 4.648 were obtained by the parameter "Q9: Inclusion of Minor Projects with Theory Courses have enhanced the technical competency and leadership skills".

Feed Back from Alumni 2020-21(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 2020–21

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	33.3	0	0	0	4.667	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	66.7	33.3	0	0	0	4.667	Excellent
Q5	33.3	66.7	0	0	0	4.333	Excellent
Q6	66.7	33.3	0	0	0	4.667	Excellent
Q7	66.7	0	33.3	0	0	4.334	Excellent

The highest score of 5 & 5 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 4.667 and 4.667respectively 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 4.334and 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 4.333 has been rated as Excellent

Feedback from faculty 2020-21 (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 2020–21

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	50	0	50	0	0	4	Excellent
Q6	100	0	0	0	0	5	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	100	0	0	0	0	5	Excellent
Q9	100	0	0	0	0	5	Excellent

The highest score of 5 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 5 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 5 and 5 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 5. 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 5 and 4 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.

Feedback has been received from the employer based on five parameters:

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 2020-21 (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 2020-21

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	72.3	27.7	0	0	0	4.723	Excellent
Q2	80.9	19.1	0	0	0	4.809	Excellent
Q3	76.6	21.3	0	2.1	0	4.724	Excellent
Q4	68.1	17	6.4	8.5	0	4.447	Excellent
Q5	66	19.1	8.5	6.4	0	4.447	Excellent

The highest score of 4.809 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 4.724.

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 4.724 and 4.723 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 4.447 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.

Chairman, CDMC