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

DEPARTMENT OF CIVL ENGINEERING
Minutes of CDMC Meeting

07-03-2019

The members of Curriculum Design and Monitoring Committee for B.Tech Civil Engineering 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.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 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.
- Semester long internship/project is appreciable and it is suggested to take up some Industrial and Societal Projects.
- Various stakeholders suggested including credits for physical fitness, sports and games to create seriousness.
- Minor Projects introduced in the previous semester are appreciable and those can be modified into inter and intra departmental projects
- 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.
- It is also recommended to reduce the number of credits by merging some of the courses
- Majority of stakeholders are suggested to keep online moocs/swayam courses for credits to increase the self-learning ability of the students.

- 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 2018 - 19 (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 2018 – 19

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	65.7	32.9	1.4	0	0	4.643	Excellent
Q2	58	40.6	0.7	0	0.7	4.552	Excellent
Q3	46.2	44.8	7	2.1	0	4.354	Excellent
Q4	40.6	43.4	13.3	0.7	2.1	4.2	Excellent
Q5	31.5	47.6	17.5	1.4	2.1	4.053	Excellent
Q6	46.2	37.1	15.4	1.4	0	4.284	Excellent
Q7	39.2	45.5	15.4	0	0	4.242	Excellent
Q8	28	58	11.9	0.7	1.4	4.105	Excellent
Q9	20.3	55.2	20.3	1.4	2.8	3.888	Very Good

The highest score of 4.643 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 4.552 and "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners" obtained the average score of 4.354 and has been rated as Excellent.

It is clearly visible from the table that the parameters "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 "; "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 Civil Engineering" obtained the average scores are 4.284;4.242;4.2 and 4.105 respectively and has been rated as Excellent.

Average scores of 4.053 and 3.888 were obtained by the parameters "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 2018-19 (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 2018 – 19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	73.3	26.7	0	0	0	4.733	Excellent
Q2	84	14.7	1.3	0	0	4.827	Excellent
Q3	58.7	36	5.3	0	0	4.534	Excellent
Q4	68	28	2.7	1.3	0	4.627	Excellent
Q5	65.3	18.7	13.3	2.7	0	4.466	Excellent
Q6	65.3	28	6.7	0	0	4.586	Excellent
Q7	54.7	30.7	9.3	5.3	0	4.348	Excellent

The highest score of 4.827 was given to the parameter "Curriculum has paved a good foundation in understanding the basic engineering concepts." followed by "Course Contents of Curriculum are in tune with the Program Outcomes" with a score of 4.733 and has been rated as Excellent.

The parameters "Curriculum imparted all the required Job Oriented Skills", "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry", and "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" obtained the average scores of 4.627, 4.586 and 4.534 respectively and has been rated as Excellent.

It is clearly visible from the table that the parameter "Ability to compete with your peers from other Universities "and "Current Curriculum is superior to your studied Curriculum" obtained average score of 4.466 and 4.348 has been rated as Excellent.

UG FACULTY 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)

Feedback from faculty 2018-19 (Academic Year) - UG – B. Tech (CIVIL)

The result derived in terms of percentage of faculty with common views, average score, and ratings are presented in Table 3.

Table 3: Analysis of feedback from faculty 2018–19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	80	15	0	0	5	4.65	Excellent
Q2	90	10	0	0	0	4.9	Excellent
Q3	70	30	0	0	0	4.7	Excellent
Q4	65	20	15	0	0	4.5	Excellent
Q5	85	15	0	0	0	4.85	Excellent
Q6	85	15	0	0	0	4.85	Excellent
Q7	90	10	0	0	0	4.9	Excellent
Q8	65	35	0	0	0	4.65	Excellent
Q9	65	20	0	15	0	4.35	Excellent

The highest score of 4.90 was given to the parameter "Q2 and Q7: Course Contents of Curriculum are in tune with the Program Outcomes and Curriculum is providing opportunity towards Self learning" followed by "Q5 and Q6: Allocations of Credits to the Courses are satisfiable and Course Contents enhance the Problem-Solving Skills and Core competencies" and "Q3: Courses with laboratory sessions are sufficient to improve the technical skills of students" with a score of 4.7 and has been rated as Excellent.

It is clearly visible from the table that the parameters Q1 and Q8: Electives enable the passion to learn new technologies in emerging areas and Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students", "Q4: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable", "Q9:

Contact Hour Distribution among the various Course Components (LTP) is Justifiable", obtained average scores 4.68, 4.65, 4.5, and 4.35respectively 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 2018-19 (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 2018-19

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	85.7	14.3	0	0	0	4.857	Excellent
Q2	95.2	4.8	0	0	0	4.952	Excellent
Q3	76.2	19	0	4.8	0	4.666	Excellent
Q4	61.9	28.6	0	9.5	0	4.429	Excellent
Q5	71.4	23.8	0	4.8	0	4.618	Excellent

The highest score of 4.952 was given to the parameter "The Course Contents are enriching the Construction Industry Demands" followed by "The Course Contents of Curriculum are in tune with the Program Outcomes" with a score of 4.857 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Core Electives and Open Elective are in-line with the technology advancements" and "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 average scores 4.666 and 4.618 respectively and has been rated as Excellent.

The parameter "Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices" obtained the scores of 4.429 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 Civil 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 categorizations 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) - UG – B. Tech (CIVIL)

The result derived in terms of percentage of Parents with common views, average score, and ratings is 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	47.6	38.1	14.3	0	0	4.333	Excellent
Q2	47.6	33.3	14.3	4.8	0	4.237	Excellent
Q3	28.6	57.1	9.5	0	4.8	4.047	Excellent
Q4	47.6	38.1	9.5	0	4.8	4.237	Excellent
Q5	47.6	38.1	9.5	4.8	0	4.285	Excellent

The highest score of 4.285 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 4.237 and has been rated as Excellent.

It is clearly visible from the table that the parameter "Satisfaction about the Academic, Emotional Progression of your ward" obtained average score 4.047 has been rated as Excellent. The parameter "Curriculum enhances the intellectual aptitude of your ward" obtained average scoring as 3.904 and rated as Very Good. 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