VIGNAN'S
Foundation for Science, Technology & Research
U N I V E R S I T Y
(Estd u/s 3 of UGC Act of 1956)

DEPARTMENT OF CIVIL ENGINEERING
Minutes of CDMC Meeting

09-03-2016

The members of Curriculum Design and Monitoring Committee for B. Tech Civil Engineering program met on 09-03-2016 at AFF-10, 'U' block. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. Alimelu V.Hebsur Associate& Head	Chairman	A.V.Hebsur
2.	Mr. P.Padma rao	Member	
3.	Mr.P.Sathish	Member	P.Jatish
3.	Mr.B.J.N.Satish	Member	B.J.N

Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2015-16.

The following are the important points of analysis obtained from various stakeholders:

- 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.
- It is also recommended to reduce the number of credits by merging some of the courses.
- Various stakeholders suggested to give credits for life skill courses and employability courses to create seriousness and importance in those courses.
- To cope up with on recent technology it is advisable to offer Industry oriented Modular Courses by various experts
- Skill set to be identified for each course which should able to understand by students
- Semester long internship is appreciable and that can be continued.
- 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.
- 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.

- The feedback analysis reveals that laboratory sessions help to improve the student's technical skills, better understanding of subject and the courses placed in the curriculum supports both the advanced learners as well as slow learners.
- 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.

A·V·Hebsur
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 2015-16 (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 2015 – 16

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	61.8	31.7	3.8	2.2	0.5	4.521	Excellent
Q2	61.3	33.3	4.8	0.5	0	4.551	Excellent
Q3	47.3	38.7	10.2	3.8	0	4.295	Excellent
Q4	50.5	34.4	12.9	1.6	0.5	4.325	Excellent
Q5	46.2	44.6	7.5	1.1	0.5	4.346	Excellent
Q6	35.5	44.1	18.3	2.2	0	4.132	Excellent
Q7	43	45.2	9.7	1.6	0.5	4.286	Excellent
Q8	36.6	50.5	11.3	1.1	0.5	4.216	Excellent
Q9	41.9	45.2	9.7	2.2	1.1	4.249	Excellent

The highest score of 4.551 was given to the parameter "Q2: The Course Contents are designed to enable Problem Solving Skills and Core competencies" followed by "Q1: The Course Contents of Curriculum are in tune with the Program Outcomes" with a score of 4.521 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" and "Q5: Electives have enabled the passion to learn new technologies in emerging areas of Civil Engineering" obtained average scores 4.325 and 4.346 respectively and has been rated as Excellent.

The parameters "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners" and "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" obtained the scores of 4.295 and 4.286 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.216; 4.249 and 4.132 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"; "Q9: Inclusion of Minor Projects with Theory Courses have enhanced the technical competency and leadership skills" and "Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations".

Time to time meetings were 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 student's technical skills and

the courses placed in the curriculum supports both the advanced learners as well as slow learners.

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 2015-16 (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 Alumni students 2015 – 16

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	70.4	29.6	0	0	0	4.704	Excellent
Q2	70.4	29.6	0	0	0	4.704	Excellent
Q3	77.8	22.2	0	0	0	4.778	Excellent
Q4	74.1	25.9	0	0	0	4.741	Excellent
Q5	81.5	11.1	7.4	0	0	4.741	Excellent
Q6	66.7	25.9	7.4	0	0	4.593	Excellent
Q7	59.3	29.6	7.4	3.7	0	4.445	Excellent

The highest score of 4.778 was given to the parameter "Curriculum imparted all the required Job Oriented Skills" followed by "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" and The parameters "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" with a score of 4.741 has been rated as Excellent.

The Parameter "Curriculum has paved a good foundation in understanding the basic engineering concepts." and "Course Contents of Curriculum are in tune with the Program Outcomes" obtained the scores of 4.704 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 the scores of 4.593 and 4.445 respectively 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 categorizationis carried based on Excellent (≥4); Very Good (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

Feedback from faculty 2015-16 (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 1.

Table 1: Analysis of feedback from faculty 2015–16

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	75	18.8	0	0	6.3	4.565	Excellent
Q2	75	25	0	0	0	4.75	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	87.5	12.5	0	0	0	4.875	Excellent
Q5	81.3	6.3	12.5	0	0	4.692	Excellent
Q6	93.8	6.3	0	0	0	4.942	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	100	0	0	0	0	5	Excellent
Q9	87.5	12.5	0	0	0	4.875	Excellent

The highest score of 5 was given to the parameters "Q3, Q7 and Q8: Allocations of Credits to the Courses are satisfiable, Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable, Courses with laboratory sessions are sufficient to improve the technical skills of students" followed by "Q6: Curriculum is providing opportunity towards Self learning" with a score of 4.942 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q4 and QP: Contact Hour Distribution among the various Course Components (LTP) is Justifiable", "Q9: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students", "Q2: Course Contents enhance the Problem-Solving Skills and Core competencies", "Q5: Electives enable the passion to learn new technologies in emerging areas", and "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" obtained average scores 4.875, 4.75, 4.692 and 4.565 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 2015-16 (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 1.

Table 1: Analysis of feedback from Employer 2015–16

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	57.1	42.9	0	0	0	4.571	Excellent
Q2	57.1	42.9	0	0	0	4.571	Excellent
Q3	14.3	85.7	0	0	0	4.143	Excellent
Q4	57.1	42.9	0	0	0	4.571	Excellent
Q5	14.3	85.7	0	0	0	4.143	Excellent

The highest score of 4.571 was given to the parameter "The Course Contents of Curriculum are in tune with the Program Outcomes" followed by "The Course Contents are enriching the Construction Industry Demands" with a score of 4.571 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices" and "Core Electives and Open Elective are in-line with the technology advancements" obtained average scores 4.571 and 4.143 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 4.143 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 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 onthe 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 categorizationis 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 2015-16 (Academic Year) - UG – B. Tech (CIVIL)

The result derived in terms of percentage of Parents with common views, average score, and ratingsis presented in Table 1.

Table 1: Analysis of feedback from Parents 2015–16

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	63.6	36.4	0	0	0	4.636	Excellent
Q3	45.5	54.5	0	0	0	4.455	Excellent
Q4	63.6	36.4	0	0	0	4.636	Excellent
Q5	63.6	36.4	0	0	0	4.636	Excellent

The highest score of 4.636 was given to the parameters "Curriculum enhances the intellectual aptitude of your ward", "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", Course Curriculum is of the global standard and is in tune with the needs of construction Industry followed by "Satisfaction about the Academic, Emotional Progression of your ward" with rating 4.455 which is also 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.

A. V. Hebsur

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