



DEPARTMENT OF CIVIL ENGINEERING
Minutes of CDMC Meeting

07-03-2017

The members of Curriculum Design and Monitoring Committee for B. Tech Civil Engineering program met on 07-03-2017 at AFF-10, 'U' block, of VFSTR. 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. PadmaRao	Member	W
3.	Mr. M. Anirudh	Member	M. Anirudh
4.	Mr. B. J. N. Satish	Member	B. J. N. Satish

Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2016-17.

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.

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 2016-17 (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 students 2016 – 17

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	59.6	34.4	4.6	1.4	0	4.522	Excellent
Q2	63.3	30.7	4.6	0.5	0.9	4.55	Excellent
Q3	41.7	43.1	10.1	3.7	1.4	4.2	Excellent
Q4	54.6	28.6	14.2	1.8	0.5	4.353	Excellent
Q5	46.3	40.8	11.5	0.9	0.5	4.315	Excellent
Q6	44	35.3	17.9	1.4	1.4	4.191	Excellent
Q7	36.2	49.8	15.6	0.9	1.8	4.13	Excellent
Q8	35.8	48.2	11.9	2.3	1.8	4.139	Excellent
Q9	31.7	43.6	16.5	3.7	4.6	3.944	Very Good

The highest score of 4.55 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 4.522 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 4.353 and 4.315 respectively and has been rated as Excellent.

The parameters “Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners”; “Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations” 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 scores of 4.2; 4.191 and 4.139 respectively and has been rated as Excellent which reflects the students passion to learn new technologies in emerging areas.

Average scores of 4.13 and 3.944 were obtained by the parameters “Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable ” 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 2016-17 (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 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	54.1	37.8	8.1	0	0	4.46	Excellent
Q2	70.3	27	0	2.7	0	4.649	Excellent
Q3	83.8	13.5	2.7	0	0	4.811	Excellent
Q4	75.7	24.3	0	0	0	4.757	Excellent
Q5	86.5	10.8	2.7	0	0	4.838	Excellent
Q6	73	18.9	8.1	0	0	4.649	Excellent
Q7	48.6	32.4	13.5	5.4	0	4.239	Excellent

The highest score of 4.838 was given to the parameters “Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills” followed by “Curriculum

imparted all the required Job Oriented Skills” with average score of 4.811 and has been rated as Excellent.

It is clearly visible from the table that the parameters “Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry”, “Course Contents of Curriculum are in tune with the Program Outcomes” and “Ability to compete with your peers from other Universities” obtained the scores of 4.757, 4.649 and 4.649 and has been rated as Excellent.

The parameters “Curriculum has paved a good foundation in understanding the basic engineering concepts.” and “Current Curriculum is superior to your studied Curriculum” obtained the scores of 4.46 and 4.239 and 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 (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

Feedback from faculty 2016-17 (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 2.

Table 2: Analysis of feedback from faculty 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	85	15	0	0	0	4.85	Excellent
Q2	80	20	0	0	0	4.8	Excellent
Q3	75	25	0	0	0	4.75	Excellent
Q4	55	40	0	0	5	4.4	Excellent
Q5	55	45	0	0	0	4.55	Excellent
Q6	55	45	0	0	0	4.55	Excellent
Q7	45	55	0	0	0	4.45	Excellent
Q8	70	25	5	0	0	4.65	Excellent
Q9	65	35	0	0	0	4.65	Excellent

The highest score of 4.85 was given to the parameter "Q1: Course Contents of Curriculum are in tune with the Program Outcomes " followed by " Q2: Course Contents enhance the Problem-Solving Skills and Core competencies " and "Q3: 4.75 ", "Q8 and Q9 : Courses with laboratory sessions are sufficient to improve the technical skills of students and Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students" are scored as 4.65, and has been rated as Excellent. Q5 and Q6 is scored as 4.55: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students and Curriculum is providing opportunity towards Self learning". "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable and Q4: Contact Hour Distribution among the various Course Components (LTP) is Justifiable" obtained average scores are 4.45 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 2016-17 (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 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	80.4	19.6	0	0	0	4.804	Excellent
Q2	84.3	15.7	0	0	0	4.843	Excellent
Q3	78.4	21.6	0	0	0	4.784	Excellent
Q4	78.4	13.7	5.9	2	0	4.685	Excellent
Q5	70.6	23.5	2	3.9	0	4.608	Excellent

The highest score of 4.843 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 4.804 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 “Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices” obtained average scores 4.784 and 4.685 respectively and has been rated as Very Good.

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 4.608 and has been rated as Very Good 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 categorizations carried based on Excellent (≥ 4); Very Good (≥ 3.5 & < 4); Good (≥ 3 & < 3.5); Moderate (> 2 & < 3) and Unsatisfactory (< 2)

Feedback from Parents 2016-17 (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 2.

Table 2: Analysis of feedback from Parents 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	33.3	44.4	22.2	0	0	4.107	Excellent
Q2	33.3	33.3	27.8	5.6	0	3.943	Very Good
Q3	22.2	55.6	16.7	0	5.6	3.891	Very Good
Q4	33.3	44.4	16.7	0	5.6	3.998	Very Good
Q5	33.3	44.4	16.7	5.6	0	4.054	Excellent

The highest score of 4.107 was given to the parameter "Course Curriculum is of the global standard and is in tune with the needs of construction Industry" has been rated as Excellent.

It is clearly visible from the table that the parameters "Competency of your ward is on par with the students from other Universities/Institutes", "Curriculum realizes the personality development and technical skilling of your ward" and "Satisfaction about the Academic, Emotional Progression of your ward" obtained average score 3.998, 3.943 and 3.891 respectively and has been rated as Very Good.

The parameter "Curriculum enhances the intellectual aptitude of your ward" obtained the score of 3.441 and has been rated as 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.

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