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

DEPARTMENT OF APPLIED ENGINEERING
Minutes of CDMC Meeting

07-03-2018

The members of Curriculum Design and Monitoring Committee for B.Tech. Agriculture Engineering programme met on 17-03-2018 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

S no	Name	Details	Signature
1	Dr. D. Vinay Kumar	Asst Prof, & Head Applied Engg Dept. VFSTRU (Internal Member)	
2	Dr. Edwin B	Asst. Prof, Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi	
3	Mr. Aminul	Asst. Prof, Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi	
4	Ms. K. Rajkumar	Asst. Prof, Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi	
5	Mr. Syamsundar	Asst. Prof, Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi.	

Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2017-18.

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 was 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.

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 Agriculture 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 Agriculture 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 2017-18 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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

Table 3: Analysis of feedback from students 2017 – 18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	57.1	42.9	0	0	0	4.571	Excellent
Q2	57.1	42.9	0	0	0	4.571	Excellent
Q3	28.6	57.1	14.3	0	0	4.143	Excellent
Q4	14.3	57.1	14.3	0	14.3	3.571	Very Good
Q5	21.4	71.4	7.1	0	0	4.139	Excellent
Q6	50	28.6	21.4	0	0	4.286	Excellent
Q7	28.6	57.1	7.1	0	7.1	3.998	Very Good
Q8	21.4	64.3	14.3	0	0	4.071	Excellent
Q9	42.9	35.7	14.3	7.1	0	4.144	Excellent

The highest score of 4.571 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 4.571 and "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners " obtained the average score of 4.143 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 "; "Q7: Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" and "Q6: The Curriculum is providing opportunity towards Self learning to realize the expectations" obtained average scores 3.571; 3.998 and 4.286 respectively and has been rated as Excellent.

Average scores of 4.071; 4.139 and 4.144 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 Agriculture Engineering"; "Q5: Electives have enabled the passion to learn new technologies in emerging areas of Agriculture 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 2017-18 (Academic Year) - UG – B. Tech (Agriculture Engineering)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 1.

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	25	50	25	0	0	4	Excellent
Q2	25	29.2	33.3	12.5	0	3.667	Very Good
Q3	33.3	20.8	25	16.7	4.2	3.667	Very Good
Q4	25	41.7	16.7	12.5	4.2	3.711	Very Good
Q5	29.2	12.5	33.3	25	0	3.459	Good
Q6	25	29.2	41.7	4.2	0	3.753	Very Good
Q7	37.5	25	16.7	12.5	8.3	3.709	Very Good

The highest score of 3.711 was given to the parameter "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" followed by "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" with a score of 3.459 and has been rated as Good.

It is clearly visible from the table that the parameters "Course Contents of Curriculum are in tune with the Program Outcomes", "Curriculum imparted all the required Job Oriented Skills", "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" "Curriculum has paved a good foundation in understanding the basic engineering concepts.", "Ability to compete with your peers from other Universities" and "Current Curriculum is superior to your studied Curriculum" obtained average scores of 4, 3.667, 3.667, 3.711 and 3.459 and has been rate as Good.

Feedback from faculty 2017-18 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	52.4	23.8	19	4.8	0	4.548	Excellent
Q2	47.6	38.1	4.8	9.5	0	4.238	Excellent
Q3	47.6	47.6	4.8	0	0	4.428	Excellent
Q4	47.6	23.8	23.8	4.8	0	4.142	Excellent
Q5	57.1	42.9	0	0	0	4.238	Excellent
Q6	57.1	28.6	9.5	4.8	0	4.38	Excellent
Q7	57.1	23.8	14.3	4.8	0	4.666	Excellent
Q8	71.4	23.8	4.8	0	0	4.332	Excellent
Q9	57.1	38.1	4.8	0	0	4.523	Excellent

The highest score of 4.66 was given to the parameter "Q1 and Q7: Course Contents of Curriculum are in tune with the Program Outcomes" and "Q7: Curriculum is providing opportunity towards Self learning" followed by "Q3: Allocations of Credits to the Courses are satisfiable", Q2: Course Contents enhance the Problem-Solving Skills and Core competencies" with a scores of respectively 4.428 and 4.238 and has been rated as Excellent. It is clearly visible from the table that the parameters "Q4 and Q6: 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 4.23, "Q5: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students", "Q8: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable", and "Q9: Contact Hour Distribution among the various Course Components (LTP) is Justifiable", obtained average scores 4.238, 4.332 and 4.532respectively 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 Food 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 2017-18 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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 2017 – 18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	37.5	0	0	62.5	0	3.125	Good
Q2	25	12.5	25	37.5	0	3.25	Good
Q3	37.5	12.5	50	0	0	3.875	Very Good
Q4	25	25	50	0	0	3.75	Very Good
Q5	37.5	25	12.5	25	0	3.75	Very Good

The highest score of 3.875 was given to the parameter "Core Electives and Open Elective are in-line with the technology advancements" followed by "Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices" with a score of 3.75 and has been rated as Excellent.

It is clearly visible from the table that the parameters "The Course Contents of Curriculum are in tune with the Program Outcomes" and "The Course Contents are enriching the Food Industry Demands" obtained average scores 3.125 and 3.25 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 3.75 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 Construction and Construction enabled Industry Demands helps the student to get placements.

Feedback from Parents 2017-18 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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

Table 1: Analysis of feedback from Parents 2017 – 18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	45.1	37.3	0	0	0	3.747	Very Good
Q2	45.1	54.9	0	0	0	4.451	Excellent
Q3	35.3	64.7	0	0	0	4.353	Excellent
Q4	45.1	37.3	17.6	0	0	4.275	Excellent
Q5	45.1	28.4	26.5	0	0	4.186	Excellent

The highest score of 4.451 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 4.186 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum enhances the intellectual aptitude of your ward" and "Satisfaction about the Academic, Emotional Progression of your ward" obtained average score 3.747 and 4.451 respectively and 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 – Agriculture Engineering
Department of Applied Engineering