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

17-03-2019

The members of Curriculum Design and Monitoring Committee for B.Tech Agriculture Engineering program met on 17-03-2019 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

S no	Name	Signature
1	Mr. N. Narayan Rao Asst. Prof & Head-Applied Engineering, Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi.	
2	Dr. A. Rama Rao Asst. Prof, Applied Engineering Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi.	
3	Dr. Ayyanna DS Asst. Prof, VFSTR, Applied Engineering (Deemed to be University), Vadlamudi	
4	Mr. Aminul Islam Asst. Prof, VFSTR, Applied Engineering (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 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.

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 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

Feedback from Students 2018 -19 (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 4.

Table 4: Analysis of feedback from students 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	57.7	42.3	0	0	0	4.577	Excellent
Q2	55.8	44.2	0	0	0	4.558	Excellent
Q3	26.9	57.7	15.4	0	0	4.115	Excellent
Q4	15.4	55.8	15.4	0	13.5	3.599	Very Good
Q5	19.2	73.1	7.7	0	0	4.115	Excellent
Q6	50	28.8	21.2	0	0	4.288	Excellent
Q7	26.9	59.6	7.7	0	5.8	4.018	Excellent
Q8	21.2	63.5	15.4	0	0	4.062	Excellent
Q9	44.2	32.7	15.4	7.7	0	4.134	Excellent

The highest score of 4.577 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 4.558 and "Q3: Courses placed in the curriculum serves the needs of both advanced and slow learners" obtained the average score of 4.115 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 Agriculture Engineering" obtained the average scores are 4.288; 4.018; 3.599 and 4.062 respectively and has been rated as Excellent.

Average scores of 4.115 and 4.134 were obtained by the parameters "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".

Feed Back from Alumni Students 2018-19 (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	22	50	20	4	4	3.82	Very Good
Q2	26	22	34	14	4	3.52	Very Good
Q3	24	22	28	16	10	3.34	Good
Q4	20	30	26	12	12	3.34	Good
Q5	20	20	26	28	6	3.2	Good
Q6	22	28	34	8	8	3.48	Good
Q7	34	28	14	14	10	3.62	Very Good
Q8	22	50	20	4	4	3.82	Very Good

The highest score of 3.52 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 3.82 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 3.34 , 3.48 and 3.34 respectively and has been rated as Very Good.

It is clearly visible from the table that the parameter "Ability to compete with your peers from other University and "Current Curriculum is superior to your studied Curriculum" obtained average score of 3.2and 3.62 has been rated as Excellent.

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 (Agriculture Engineering)

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

Table 4: Analysis of feedback from faculty 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	48.1	22.2	18.5	3.7	7.4	3.996	Very Good
Q2	51.9	33.3	3.7	11.1	0	4.26	Excellent
Q3	51.9	44.4	3.7	0	0	4.482	Excellent
Q4	51.9	22.2	22.2	3.7	0	4.223	Excellent
Q5	51.9	48.1	0	0	0	4.519	Excellent
Q6	55.6	33.3	3.7	7.4	0	4.371	Excellent
Q7	51.9	33.3	11.1	3.7	0	4.334	Excellent
Q8	59.3	33.3	7.4	0	0	4.519	Excellent
Q9	44.4	48.1	7.4	0	0	4.366	Excellent

The highest score of 4.519 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 4.482 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 3.996, 4.519, 4.223, and 4.366 respectively and has been rated as Excellent.

2018 - 19

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 (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 2018-19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	27.3	0	18.2	54.5	0	3.001	Good
Q2	18.2	9.1	27.3	45.5	0	3.003	Good
Q3	27.3	36.4	36.4	0	0	3.913	Very Good
Q4	18.2	36.4	45.5	0	0	3.731	Very Good
Q5	18.2	45.5	18.2	18.2	0	3.64	Very Good

The highest score of 3.913 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 3.001 and has been rated as Very good .

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 3.913 and 3.64 respectively and has been rated as Very good .

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 Agriculture and Farm Machinery Industry Demands helps the student to get placements.

Feedback from Parents 2018-19 (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 2018 – 19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	38.2	38.2	0	0	0	3.438	Good
Q2	38.2	29.4	20.6	11.8	0	3.94	Very Good
Q3	32.4	44.1	11.8	0	11.8	3.856	Very Good
Q4	38.2	38.2	11.8	0	11.8	3.91	Very Good
Q5	38.2	38.2	11.8	11.8	0	4.028	Excellent

The highest score of 4.028 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 3.91 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 3.856 has been rated as Excellent.

The parameter "Curriculum enhances the intellectual aptitude of your ward" obtained average scoring as 3.438 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.

Nasreen

Head of Department and Chairman – CDMC
B.Tech – Agriculture Engineering
Department of Applied Engineering