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

19-06-2021

The members of Curriculum Design and Monitoring Committee for B.Tech Agriculture Engineering program met on 17-06-2021 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. Ayyanna DS Asst. Prof., Applied Engineering Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi.	
3	Mr. Bibek Bahadur Shrestha Asst. Prof., VFSTR, Applied Engineering (Deemed to be University), Vadlamudi	
4	Mr. G. Aditya Asst. Prof., Applied Engineering Vignan's Foundation for Science, Technology & Research (Deemed to be University), Vadlamudi.	
5	Mr. M. Lokesh Asst. Prof., Applied Engineering 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 and Students during the academic year 2020-21.

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 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

N. Narayan Rao

Chairman, CDMC

ANNEXURE 1

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 Agricultural 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. Number of Laboratory Sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Agricultural 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 ($\geq$4); Very Good ($\geq$3.5 & <4); Good ($\geq$3 & <3.5); Moderate (>2 & <3) and Unsatisfactory (<2)

Feedback from Students 2020-21 (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.

Table 1: Analysis of feedback from students 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	76.5	11.8	11.7	0	0	4.643	Excellent
Q2	76.8	11.9	10.9	0	0	4.607	Excellent
Q3	64.7	11.8	11.8	0	0	4.12	Excellent
Q4	76.5	11.8	11.7	0	0	4.356	Good
Q5	70.6	16.8	11.9	0	0	4.215	Excellent
Q6	76.5	11.8	5.9	0	0	4.356	Excellent
Q7	70.6	11.8	5.9	0	0	4.238	Excellent
Q8	76.5	11.8	5.9	0	0	4.356	Excellent
Q9	76.5	13.8	9.3	0	0	4.356	Excellent

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 4.607; "Q3:Courses placed in the curriculum serves the needs of both advanced and slow learners" obtained the average score of 4.12 and "Q4:Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" with a average score of 4.356 and has been rated as Excellent.

It is clearly visible from the table that the parameters "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" 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 4.215; 4.356; 4.238 and 4.356 respectively and has been rated as Excellent.

Average scores of 4.356 were obtained by the parameter "Q9: Inclusion of Minor Projects with Theory Courses have enhanced the technical competency and leadership skills".

Feed Back from Alumni 2020-21 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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)

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 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	97.8	2.2	0	0	0	4.89	Excellent
Q2	97.8	2.2	0	0	0	4.89	Excellent
Q3	97.8	2.2	0	0	0	4.89	Excellent
Q4	97.8	2.2	0	0	0	4.89	Excellent
Q5	97.8	2.2	0	0	0	4.89	Excellent
Q6	97.8	2.2	0	0	0	4.89	Excellent
Q7	97.8	2.2	0	0	0	4.89	Excellent
Q1	97.8	2.2	0	0	0	4.89	Excellent

The highest score of 4.89 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Professional and Open Electives of Curriculum served the technical advancements needed to serve in the industry" and "Curriculum has paved a good foundation in understanding the basic engineering concepts" with a score of 4.89 and 4.89 respectively has been rated as Excellent.

The parameters "Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" and "Ability to compete with your peers from other Universities", obtained the average scores of and 4.89 and rated as Excellent.

It is clearly visible from the table that the parameter "Current Curriculum is superior to your studied Curriculum" and "Curriculum imparted all the required Job Oriented Skills" obtained average score of 4.89 and 4.89 been rated as Excellent.

Feedback from faculty 2020-21 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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 ($\geq 3.5 \& < 4$); Good ($\geq 3 \& < 3.5$); Moderate ($> 2 \& < 3$) and Unsatisfactory (< 2)

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 2020–21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	80	20	0	0	0	4.8	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	100	0	0	0	0	5	Excellent

Q6	100	0	0	0	0	5	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	100	0	0	0	0	5	Excellent
Q9	100	0	0	0	0	5	Excellent

The highest score of 5 was given to all the parameter except one which include "Q5: Curriculum is providing opportunity towards Self learning" and ", "Q7: Inclusion of Minor/ Mini Projects improved the technical competency and leadership skills among the students" is recorded as 5 followed by "Q4: Course Contents enhance the Problem-Solving Skills and Core competencies", "Q1: Course Contents of Curriculum are in tune with the Program Outcomes" with a scores are of 5 and 5 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Q3,Q5 and Q6:Allocations of Credits to the Courses are satisfiable, 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 5. Q9: Contact Hour Distribution among the various Course Components (LTP) is Justifiable",Q8: Composition of Basic Sciences, Engineering, Humanities and Management Courses is satisfiable" obtained average scores 5 and 5 respectively and has been rated as Excellent.

Time to time meetings was 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 faculty technical skills and the courses placed in the curriculum supports.

Feedback from Employer 2020-21 (Academic Year) - UG – B. Tech (Agriculture Engineering)

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 2020-21 (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 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	80	20	0	0	0	4.8	Excellent
Q2	80	20	0	0	0	4.8	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	80	20	0	0	0	4.8	Excellent
Q5	100	0	0	0	0	5	Excellent

The highest score of 5 was given to the parametersQ3, Q5 "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 " and has been rated as 5.

Q1.It is clearly visible from the table that the parameters "The Course Contents of Curriculum are in tune with the Program Outcomes" , "The Course Contents are enriching the Construction Industry Demands" and "Applicability of the tools and technologies described in the curriculum are sufficient to practice in Existing Construction Practices" obtained average scores 4.8 and has been rated as Excellent.

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 Problem Solving and Soft Skills acquired by the students through the curriculum will enable them to be placed in Construction Industry.

N. Narayankrishna

Chairman – CDMC