DEPARTMENT OF APPLIED ENGINEERING

Minutes of CDMC Meeting

19-05-2021

The members of Curriculum Design and Monitoring Committee for M.Tech Farm Machinery program met on 17-05-2021 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	Dr. Bibek Bahadur Shrestha 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 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

The outcomes of the meeting will be placed before the BoS for further discussion and recommendations.

Chairman, CDMC

Mr. N. Narayan Rao, M.Tech (Ph.D)
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Feedback from Students 2020-21 (Academic Year) - PG - M.Tech- (Farm Machinery)

Feedback has been received from the Student on the following parameters:

1. The Course Contents of Curriculum in adapt with the Program Outcomes
2. The Course Contents designed to enable Problem Solving Skills and Core competencies
3. Courses placed in the curriculum serves the needs of both advanced and slow learners
4. Contact Hour Distribution among the various Course Components (LTP) is sPatisfiable
5. Electives have enabled the passion to learn new technologies in emerging areas of Agricultural Engineering
6. The Curriculum providing opportunity towards Self learning to realize the expectations
7. The Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable
8. No. of Laboratory sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Agricultural Engineering
9. Integration of Minor Project 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 ($\geq 3.5 \& <4$); Good ($\geq 3 \& <3.5$); Moderate ($>2 \& <3$) and Unsatisfactory (<2)

Feedback from Student 2020-21 (Academic Year) - PG – M.Tech (FM)

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

Table 1: Analysis of feedback from Student 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	60	30	10	0	0	4.5	Excellent
Q2	60	30	10	0	0	4.5	Excellent
Q3	60	40	0	0	0	4.6	Excellent
Q4	60	30	10	0	0	4.5	Excellent
Q5	60	40	0	0	0	4.6	Excellent
Q6	60	20	20	0	0	4.4	Excellent
Q7	70	20	10	0	0	4.6	Excellent
Q8	50	30	10	10	0	4.2	Excellent

Q9	50	40	10	0	0	4.4	Excellent

The highest score of 4.6 was given to the parameter "Courses placed in the curriculum serves the needs of both advanced and slow learners", "Electives have enabled the passion to learn new technologies in emerging areas of Agricultural Engineering ", "The Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable". Followed by "The Course Contents of Curriculum in adapt with the Program Outcomes", "The Course Contents designed to enable Problem Solving Skills and Core competencies", "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable," "The Curriculum providing opportunity towards Self learning to realize the expectation". "No. of Laboratory sessions Integrated with Theory Courses have been sufficient to improve the technical as well as practical skills in Agricultural Engineering," and "Integration of Minor Project with Theory Courses have enhanced the technical competency and leadership skills".

Feedback from Alumni 2020-21 (Academic Year) - PG - M.Tech-(Farm Machinery)

Feedback has been received from the Alumni on the following parameters:

1. The Curriculum has paved a good foundation in understanding the basic concepts of Agriculture Engineering
2. The Course Contents of Curriculum in adapt with the Program Outcomes
3. The Curriculum imparted all the required Job Oriented Skills
4. Professional and Open Electives of Curriculum served the technical advancements needed to serve the requirements of Agriculture farming community and Industry Practices
5. Agriculture equipment and Technologies learnt during laboratory sessions has enriched the problem solving skills
6. Competing with your peers from other Universities
7. Current Curriculum is superior than 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 Alumni 2020-21 (Academic Year) - PG – M.Tech (FM)

The result derived in terms of percentage of Alumni with common views, average score, and ratings is presented in Table 2.

Table 2: Analysis of feedback from Alumni 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	50	0	0	0	3.5	Very Good
Q2	50	25	25	0	0	3.0	Good
Q3	50	25	25	0	0	3.0	Good
Q4	50	25	25	0	0	3.5	Very Good
Q5	50	0	50	0	0	3.25	Good
Q6	50	50	0	0	0	3.5	Very Good
Q7	25	25	50	0	0	3.75	Very Good

The highest score of 3.75 was given to the parameter "Current Curriculum is superior than your studied Curriculum". Followed by "The Curriculum has paved a good foundation in understanding the basic concepts of Agriculture Engineering". It is clearly visible from the table that the parameters "Professional and Open Electives of Curriculum served the technical advancements needed to serve the requirements of Agriculture farming community and Industry Practices ", "Competing with your peers from other Universities", "The Course Contents of Curriculum in adapt with the Program Outcomes", and "The Curriculum imparted all the required Job Oriented Skills 3.5, 3.5, 3.5, 3 and 3 respectively has been rated as Good and Very Good.

Feedback from Faculty 2020-21 (Academic Year) - PG - M.Tech-(Farm Machinery)

Feedback has been received from the Student Faculty on the following parameters:

1. The Course Contents of Curriculum in tune with the Program Outcomes
2. Course Contents enhance the Problem Solving Skills and Core competencies
3. Allocation of Credits to the Courses are satisfiable
4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
5. Do Electives enable the passion to learn new technologies in emerging areas of Engineering
6. The Curriculum providing opportunity towards Self learning to realize the expectations of present trend in design and research needs
7. The inclusion of Employability Orientation Program and Research Methodology in the curriculum satisfiable
8. The number of theoretical courses amalgamated with laboratory sessions sufficient to improve the technical skills of students
9. Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research 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 2020-21 (Academic Year) - PG – M.Tech (FM)

The result derived in terms of percentage of Student 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	33.3	22.2	44.4	0	0	3.8	Very Good
Q2	33.3	22.2	44.4	0	0	3.8	Very Good
Q3	33.3	55.6	11.1	0	0	4.2	Very Good
Q4	33.3	22.2	44.4	0	0	3.8	Very Good
Q5	33.3	44.4	22.2	0	0	4.1	Very Good
Q6	33.3	55.6	0	11.1	0	4.1	Very Good
Q7	33.3	33.3	33.3	0	0	3.9	Very Good
Q8	33.3	22.2	44.4	0	0	3.8	Very Good
Q9	33.3	33.3	33.3	0	0	3.9	Very Good

The highest score of 4.2 was given to the parameter "Allocation of Credits to the Courses are satisfiable" has been rated Very Good Followed by 4.1 was given to the parameter "Do Electives enable the passion to learn new technologies in emerging areas of Engineering". Followed by 4.1 was given to the parameter "The Curriculum providing opportunity towards Self learning to realize the expectations of present trend in design and research needs" has been rated Very Good. Followed by "The inclusion of Employability Orientation Program and Research Methodology in the curriculum satisfiable" and "Introducing Mini Projects and Socio-centric Projects along with Theory Courses improved the research competency and leadership skills among the students"with a score of 3.9 has been rated as Very Good. "The Course Contents of Curriculum in tune with the Program Outcomes" and "Course Contents enhance the Problem Solving Skills and Core competencies" and Followed by "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and The number of theoretical courses amalgamated with laboratory sessions sufficient to improve the technical skills of students"obtained average scores 3.8 has been rated as Very Good.

Feedback From Employer 2020-21(Academic Year) – PG - M.Tech – (Farm Machinery)

1. The Course Contents of Curriculum in adapt with the Program Outcomes.
2. The Course Contents in adapt with the Agricultural Industry Demands and Research Needs.
3. Core Electives and Open Elective are in-line with the technology advancements in the Agriculture field.

4. Applicability of the Device and Agricultural technologies described in the curriculum will be enoPGh to practice in Existing in industries as well as Farming community
5. Problem Solving and Soft Skills acquired by the students throPGh the course contents will enable them to be place in Public Sector Units, MNC's, Government Sectors and Research Agencies.

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

Feedback from Employer 2020-21 (Academic Year) - PG – M.Tech (FM)

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 2020-21

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	100	0	0	0	0	4	**Excellent**
Q2	0	100	0	0	0	2	**Moderate**
Q3	0	100	0	0	0	2	**Moderate**
Q4	0	0	100	0	0	3	**Good**
Q5	100	0	0	0	0	4	**Excellent**

The highest score of 4 was given to the parameter "The Course Contents of Curriculum in adapt with the Program Outcome" and "The Course Contents in adapt with the Agricultural Industry Demands and Research Needs" has been rated Excellent. Followed by "Applicability of the Device and Agricultural technologies described in the curriculum will be enough to practice in Existing in industries as well as Farming community" with a score of 3 has been rated as Good. It is clearly visible from the table that the parameters "The Course Contents in adapt with the Agricultural Industry Demands and Research Needs ", and "Core Electives and Open Elective are in-line with the technology advancements in the Agriculture field. obtained average scores 2 and 2 respectively and has been rated as Moderate.

N. Narayanlu

Chairman – CDMC