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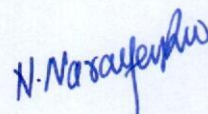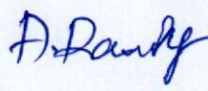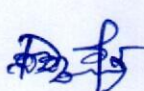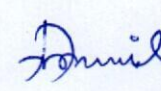(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF APPLIED ENGINEERING
Minutes of CDMC Meeting

17-03-2019

The members of Curriculum Design and Monitoring Committee for M.Tech Farm Machinery 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.

N Narayan Rao

Chairman, CDMC

ANNEXURE 1

FEEDBACK ANALYSIS OF STUDENT ON M.Tech-Farm Machinery Curriculum in AY: 2018 – 19

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 Satisfiable
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 2018-19 (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 1.

Table 1: Analysis of feedback from Student 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	33.3	0	0	0	4.667	Excellent
Q2	83.3	16.7	0	0	0	4.833	Excellent
Q3	83.3	16.7	0	0	0	4.833	Excellent
Q4	50	50	0	0	0	4.5	Excellent
Q5	66.7	33.3	0	0	0	4.667	Excellent
Q6	83.3	16.7	0	0	0	4.833	Excellent
Q7	83.3	16.7	0	0	0	4.833	Excellent
Q8	83.3	16.7	0	0	0	4.833	Excellent
Q9	83.3	16.7	0	0	0	4.833	Excellent

The highest score of 4.833was given to the parameter "The Course Contents designed to enable Problem Solving Skills and Core competencies", "Courses placed in the curriculum serves the needs of both advanced and slow learners", "The Curriculum providing opportunity towards Self learning to realize the expectations", "The Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable", "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.".

Followed by "The Course Contents of Curriculum in adapt with the Program Outcomes", and "Electives have enabled the passion to learn new technologies in emerging areas of Agricultural Engineering" with a score of 4.667has been rated as Excellent.

It is clearly visible from the table that the parameters "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable." obtained average 4.5 has been rated as Excellent.

FEEDBACK ANALYSIS OF ALUMNI ON M.Tech-Farm Machinery Curriculum in AY: 2018 – 19

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

Feedback from ALUMNI 2018-19 (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 1.

Table 1: Analysis of feedback from ALUMNI 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	25	25	0	0	4.25	Excellent
Q2	25	50	25	0	0	4	Excellent
Q3	50	0	25	25	0	3.75	Very Good
Q4	50	0	25	25	0	3.75	Very Good
Q5	50	0	0	50	0	3.5	Very Good
Q6	25	25	25	25	0	3.5	Very Good
Q7	25	25	25	0	25	3.25	Good

The highest score of 4 .25 was given to the parameter "The Course Contents of Curriculum in adapt with the Program Outcomes".

Followed by "The Curriculum has paved a good foundation in understanding the basic concepts of Agriculture Engineering" with a score of 4has been rated as Excellent.

It is clearly visible from the table that the parameters "The Curriculum imparted all the required Job Oriented Skills", "Professional and Open Electives of Curriculum served the technical advancements needed to serve the requirements of Agriculture farming community and Industry Practices", "Agriculture equipment and Technologies learnt during laboratory sessions has enriched the problem solving skills", "Competing with your peers from other Universities" and "Current Curriculum is superior than your studied Curriculum" obtained average 3.75, 3.75, 3.5, 3.5 and 3.25respectively has been rated as Excellent.

FEEDBACK ANALYSIS OF FACULTY ON M.Tech-Farm Machinery Curriculum in AY: 2018 – 19

Feedback has been received from the 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 Structural 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 ($\geq 3.5 \& < 4$); Good ($\geq 3 \& < 3.5$); Moderate ($> 2 \& < 3$) and Unsatisfactory (< 2)

Feedback from Faculty 2018-19 (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 1.

Table 1: 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 4.519was given to the parameter "Do Electives enable the passion to learn new technologies in emerging areas of Engineering" and "The number of theoretical courses amalgamated with laboratory sessions sufficient to improve the technical skills of students "has been rated Excellent.

Followed by "Allocation of Credits to the Courses are satisfiable" with a score of 4.482 has been rated as Excellent.

It is clearly visible from the table that the parameters "The Course Contents of Curriculum in tune with the Program Outcomes", "Course Contents enhance the Problem Solving Skills and Core competencies" , "Courses placed in the curriculum serves the needs of both advanced and slow learners", "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable", "The Curriculum providing opportunity towards Self learning to realize the expectations of present trend in design and research needs", 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", obtained average scores 3.996, 4.26, 4.223, 4.371, 4.334 and 4.366respectively and has been rated as Excellent.

FEEDBACK ANALYSIS OF EMPLOYER ON M.Tech-Farm Machinery Curriculum in AY: 2018 – 19

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

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

Feedback from EMPLOYER 2018-19 (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 1.

Table 1: Analysis of feedback from EMPLOYER 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	0	0	33.3	0	4.001	Excellent
Q2	33.3	33.3	0	33.3	0	3.663	Very Good
Q3	66.7	0	33.3	0	0	4.334	Excellent
Q4	33.3	33.3	33.3	0	0	3.996	Very Good
Q5	33.3	33.3	0	33.3	0	3.663	Very Good

The highest score of 4.334was given to the parameter "Core Electives and Open Elective are in-line with the technology advancements in the Agriculture field" has been rated Excellent.

Followed by "The Course Contents of Curriculum in adapt with the Program Outcomes" with a score of 4.001 has been rated as Excellent.

It is clearly visible from the table that the parameters "The Course Contents in adapt with the Agricultural Industry Demands and Research Needs", "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", and "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" obtained average scores 3.663, 3.996 and 3.663respectively and has been rated as Excellent.

FEEDBACK ANALYSIS OF PARENT ON M.Tech-Farm Machinery Curriculum in AY: 2018 – 19

Feedback has been received from the Parent on the following 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 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 Parent 2018-19 (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 1.

Table 1: Analysis of feedback from Parent 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	16.7	0	16.7	0	3.502	Very Good
Q2	50	16.7	16.7	0	16.7	3.836	Very Good
Q3	50	16.7	16.7	0	16.7	3.836	Very Good
Q4	50	16.7	16.7	16.7	0	4.003	Excellent
Q5	50	16.7	16.7	16.7	0	4.003	Excellent

The highest score of 4.003was given to the parameter "Competency of your ward is on par with the students from other Universities/Institutes" and "Course Curriculum is of the global standard and is in tune with the needs of construction Industry" has been rated Excellent.

Followed by "Curriculum realizes the personality development and technical skilling of your ward" and "Satisfaction about the Academic, Emotional Progression of your ward" with a score of 3.836 has been rated as very good.

It is clearly visible from the table that the parameters "Curriculum enhances the intellectual aptitude of your ward" obtained average scores 3.502has been rated as very good.

Head of Department and Chairman – CDMC
M.Tech – Farm Machinery
Department of Applied Engineering