



**DEPARTMENT OF APPLIED ENGINEERING**  
**Minutes of CDMC Meeting**

20-03-2017

The members of Curriculum Design and Monitoring Committee for M.Tech Farm Machinery program met on 17-03-2016 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

| Sl.No | Name and Address                                                                                   | Signature |
|-------|----------------------------------------------------------------------------------------------------|-----------|
| 1     | Dr. VidhuKampurath P., Assoc Prof & Head, Applied Engineering Department. VFSTRU (Internal Member) |           |
| 2     | Dr. NanjappaChetty. Visiting Faculty, Applied Engineering Department, VFSTRU (Internal Member)     |           |
| 3     | Dr. A Sirisha, AsstProf. Applied Engineering. VFSTRU (Internal Member)                             |           |
| 4     | Dr. D. Vinay Kumar, Asst Prof, Applied Engineering Department. VFSTRU (Internal Member)            |           |
| 5     | Mr. Harish Babu. B, Asst Prof. Applied Engineering, VFSTRU (Internal Member)                       |           |

### **Agenda of the meeting**

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2016-17.

### **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**

Department of Applied Eng.

**VFSTR University**

**VADLAMUDI**

### **ANNEXURE 1**

### **PG 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 Civil 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 Civil 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 ANALYSIS OF STUDENT ON M.Tech-Farm Machinery Curriculum in AY: 2016 – 17**

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

### **Feedback from Student 2016-17 (Academic Year) - PG – M.Tech (AG)**

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 2016–17**

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade     |
|------------|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q2         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q3         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q4         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q5         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q6         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q7         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q8         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q9         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |

The highest score of 5 was given to the parameter “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” and “Integration of Minor Project with Theory Courses have enhanced the technical competency and leadership skills.” has been rated Excellent.

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” and “Electives have enabled the passion to learn new technologies in emerging areas of Agricultural Engineering” with a score of 4.5 has been rated as Excellent.

### **FEEDBACK ANALYSIS OF ALUMNI ON M.Tech-Farm Machinery Curriculum in AY: 2016 – 17**

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 2016-17 (Academic Year) - PG – M.Tech (AG)**

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

**Table 1: Analysis of feedback from ALUMNI 2016–17**

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade     |
|------------|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q2         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q3         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q4         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q5         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |
| Q6         | 50             | 50    | 0        | 0        | 0                 | 4.5         | Excellent |
| Q7         | 100            | 0     | 0        | 0        | 0                 | 5           | Excellent |

The highest score of 5 was given to the parameter “The Curriculum has paved a good foundation in understanding the basic concepts of Agriculture Engineering , “The Course Contents of Curriculum in adapt with the Program Outcomes”, “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” and “Current Curriculum is superior than your studied Curriculum”.

Followed by “The Curriculum imparted all the required Job Oriented Skills” and “Competing with your peers from other Universities “with a score of 4.5 has been rated as Excellent.

### **FEEDBACK ANALYSIS OF FACULTY ON M.Tech-Farm Machinery Curriculum in AY: 2016 – 17**

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

#### Feedback from Faculty 2016-17 (Academic Year) - PG – M.Tech (AG)

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 Faculty 2016–17**

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade     |
|------------|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1         | 51.7           | 17.2  | 17.2     | 6.9      | 6.9               | 3.996       | Very Good |
| Q2         | 51.7           | 34.5  | 3.4      | 10.3     | 0                 | 4.273       | Excellent |
| Q3         | 55.2           | 37.9  | 6.9      | 0        | 0                 | 4.483       | Excellent |
| Q4         | 51.7           | 20.7  | 20.7     | 6.9      | 0                 | 4.172       | Excellent |
| Q5         | 58.6           | 41.4  | 0        | 0        | 0                 | 4.586       | Excellent |
| Q6         | 58.6           | 31    | 6.9      | 3.4      | 0                 | 4.445       | Excellent |
| Q7         | 55.2           | 27.6  | 10.3     | 6.9      | 0                 | 4.311       | Excellent |
| Q8         | 69             | 27.6  | 3.4      | 0        | 0                 | 4.656       | Excellent |
| Q9         | 55.2           | 41.4  | 3.4      | 0        | 0                 | 4.518       | Excellent |

The highest score of 4.656 was given to the parameter “The number of theoretical courses amalgamated with laboratory sessions sufficient to improve the technical skills of students” has been rated Excellent.

Followed by “Do Electives enable the passion to learn new technologies in emerging areas of Engineering” with a score of 4.586 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”, “Allocation of Credits to the Courses are satisfiable”, “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, 4.273, 4.483, 4.172, 4.445, 4.311 and 4.518 respectively and has been rated as Excellent.

### **FEEDBACK ANALYSIS OF EMPLOYER ON M.Tech-Farm Machinery Curriculum in AY: 2016 – 17**

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 2016-17 (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 2016–17**

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade     |
|------------|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1         | 50             | 0     | 0        | 50       | 0                 | 3.5         | Very Good |
| Q2         | 50             | 0     | 25       | 25       | 0                 | 3.75        | Very Good |
| Q3         | 50             | 0     | 50       | 0        | 0                 | 4           | Excellent |
| Q4         | 50             | 0     | 50       | 0        | 0                 | 4           | Excellent |
| Q5         | 25             | 25    | 25       | 25       | 0                 | 3.5         | Very Good |

The highest score of 4 was given to the parameter “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 “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 in adapt with the Agricultural Industry Demands and Research Needs” with a score of 3.75 has been rated as Excellent.

It is clearly visible from the table that the parameters “The Course Contents of Curriculum in adapt with the Program Outcomes” 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 3.5 and 3.5 respectively and has been rated as Excellent.

## **FEEDBACK ANALYSIS OF PARENT ON M.Tech-Farm Machinery Curriculum in AY: 2016 – 17**

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



### Feedback from Parent 2016-17 (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 Parent 2016–17**

| Parameters | Strongly Agree | Agree | Moderate | Disagree | Strongly Disagree | Avg. Rating | Grade     |
|------------|----------------|-------|----------|----------|-------------------|-------------|-----------|
| Q1         | 66.7           | 33.3  | 0        | 0        | 0                 | 4.667       | Excellent |
| Q2         | 33.3           | 66.7  | 0        | 0        | 0                 | 4.333       | Excellent |
| Q3         | 66.7           | 33.3  | 0        | 0        | 0                 | 4.667       | Excellent |
| Q4         | 66.7           | 33.3  | 0        | 0        | 0                 | 4.667       | Excellent |
| Q5         | 66.7           | 33.3  | 0        | 0        | 0                 | 4.667       | Excellent |

The highest score of 4.667 was given to the parameter “Curriculum enhances the intellectual aptitude of your ward”, “Satisfaction about the Academic, Emotional Progression of your ward”, “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” with a score of 4 has been rated as Excellent.

Followed by “Curriculum realizes the personality development and technical skilling of your ward” with a score of 4.333 has been rated as Excellent.



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

Department of Applied Engineering  
**VFSTR University**  
**VADLAMUDI**