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(Estd u/s 3 of UGC Act of 1956)

| Department of
Mechanical Engineering

Curriculum Design & Monitoring Committee

Curriculum Design & Monitoring Committee of the programme collects and analyses the feedback of stakeholder's on curriculum

Composition:

The composition of the Curriculum Design & Monitoring Committee (CDMC) is as follows:

| Head of the Department | - | Chairman |
| 2 to 3 Senior Faculties | - | Members |

Activities:

The committee analyses the feedback from the stakeholder's and those inputs are forwarded to BoS for discussion.

Outcomes:

These measures ensure the dynamic involvement of the stakeholder's in the curriculum design and its fortification at multiple stages.

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03-07-2015

Constitution of Curriculum Design and Monitoring Committee

The Head of the Department is pleased to approve the following members for constituting the Curriculum Design and Monitoring Committee for M. Tech Machine Design (MD) specialization.

S.No	Members	Designation
1.	Dr. M Ramakrishna, Associate Professor & HoD	Chairman
2.	Mr. D Satyanarayana, Associate Professor	Member
3.	Mr. G Suresh, Assistant Professor	Member
4.	Mr. Mihir Barman, Assistant Professor	Member

HOD, MECH

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Minutes of CDMC Meeting

19-03-2016

The members of Curriculum Design and Monitoring Committee for B.Tech Mechanical Engineering program met on 19-03-2016 at AGF-04, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. M Ramakrishna, Professor & HoD	Chairman	
2.	Mr. D Satyanarayana, Associate Professor	Member	
3.	Mr. G Suresh, Assistant Professor	Member	
4.	Mr. Mihir Barman, Assistant Professor	Member	

Agenda of the meeting

1. Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2015-16.

The following are the important points of analysis obtained from various stakeholders:

1. Students expressed to update the lab infrastructure
2. Students emphasized much more courses related to design of structures related to aerospace applications
3. Students recommended to offer software related to stress analysis.
4. Burden on students can be reduced by reducing the credits
5. Parents exhibits that the department should offer training in more modeling softwares and vibration related courses
6. Alumni suggested to impart real time case scenarios while offering courses.
7. Employers felt that the communication skills of the students should be improved and also attention towards practical exposure is required.
8. Faculty suggested that for better placements much more training on modeling softwares is needed to students.
9. Faculty suggested to educate the students on industrial standards as a part of teaching.

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 ANALYSIS OF ALUMNI ON M. Tech - Machine Design Curriculum in AY: 2015 – 16

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

Q1. Curriculum has paved a good foundation in understanding the concepts
Q2. Course Contents of Curriculum fulfilled the specified Program Outcomes
Q3. Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education
Q4. Electives of Curriculum served the technical advancements needed to serve in the industry
Q5. Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry
Q6. Competency with your peers from other Institutions
Q7. Current curriculum meets the present industry demands

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 Alumni 2015-16 (Academic Year) - PG –M. Tech (MMD)

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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	50	0	0	0	4.5	Excellent
Q2	20	70	10	0	0	4.1	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	20	70	10	0	0	4.1	Excellent
Q5	40	60	0	0	0	4.4	Excellent
Q6	40	50	10	0	0	4.3	Excellent
Q7	20	60	20	0	0	4	Excellent

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The highest score of 4.5 was given to the parameter "Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education" and "Curriculum has paved a good foundation in understanding the basic engineering concepts"

Followed by "Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry", "Competency with your peers from other Institutions", "Course Contents of Curriculum fulfilled the specified Program Outcomes" and "Electives of Curriculum served the technical advancements needed to serve in the industry" with a score of 4.4, 4.3, 4.1 and 4.1 has been rated as Excellent.

It is clearly visible from the table that the parameter, "Current curriculum meets the present industry demands" obtained average 4 has been rated as Excellent.

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FEEDBACK ANALYSIS OF EMPLOYERS ON M. Tech - Machine Design Curriculum in AY: 2015 – 16

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

Q1. Course Contents of M.Tech Machine Design Curriculum is in tune with the Program Outcomes

Q2. Relevance of the Course Contents in tune with the Industry Demands

Q3. Elective are in-line with the technology advancements in Modelling and Design Sectors

Q4. Applicability of the tools and technologies described in the curriculum will be enough to practice in 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 (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

Feedback from Employer 2015-16 (Academic Year) - PG –M. Tech (MMD)

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 2015–16

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	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent

The highest score of 4.5 was given to the parameters "Course Contents of M.Tech Machine Design Curriculum is in tune with the Program Outcomes", "Relevance of the Course Contents in tune with the Industry Demands" and has been rated as Excellent.

It is clearly visible from the table that the parameters "Elective are in-line with the technology advancements in Modelling and Design Sectors", and "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" obtained score 4 and has been rated as Excellent.

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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 Mechanical Industry.

The feedback analysis given by employer reveals that by improving the required skills of students and enable Industry Demands helps the student to get placements.

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FEEDBACK ANALYSIS OF FACULTY ON M. Tech - Machine Design Curriculum in AY: 2015 – 16

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

Q1. Course Contents of Curriculum in tune with the Program Outcomes
Q2. Course Contents designed offered enriches Core Competencies
Q3. Courses offered in the curriculum serves the needs of Mechanical Industries
Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
Q5. Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas
Q6. Curriculum providing enable towards self-learning
Q7. No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical 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 Faculty 2015-16 (Academic Year) - PG –M. Tech (MMD)

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

Table 1: Analysis of feedback from Faculty 2015–16

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	0	100	0	0	0	4	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	0	100	0	0	0	4	Excellent
Q6	0	0	100	0	0	3.5	Very Good
Q7	100	0	0	0	0	5	Excellent

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The highest score of 5 was given to the parameters "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable", "Course Contents of Curriculum in tune with the Program Outcomes", "No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical skills" and "Course Contents designed offered enriches Core Competencies" with and has been rated as Excellent.

It is clearly visible from the table that the parameters "Courses offered in the curriculum serves the needs of Mechanical Industries" and "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" obtained average scores 4 and has been rated as Excellent.

The parameters "Curriculum providing enable towards self-learning" the score is 3.5, and has been rated as Very Good.

FEEDBACK ANALYSIS OF PARENTS ON M. Tech - Machine Design Curriculum in AY: 2015 – 16

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

Q1. Satisfaction of Academic and Emotional Progression of your ward
Q2. Satisfaction with the offered curriculum for your wards future endeavours
Q3. Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University
Q4. Your ward's competency with the students from other Institutes
Q5. Curriculum offered is in tune with current Industry needs

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 2015-16 (Academic Year) - PG –M. Tech (MMD)

The result derived in terms of percentage of Parent with common views, average score, and ratingsis presented in Table 1.

Table 1: Analysis of feedback from Parent 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	20	80	0	0	0	4.2	Excellent
Q2	60	40	0	0	0	4.6	Excellent
Q3	80	0	20	0	0	4.6	Excellent
Q4	40	40	20	0	0	4.2	Excellent
Q5	40	60	0	0	0	4.4	Excellent

The highest score of 4.6 was given to the parameter "Satisfaction with the offered curriculum for your wards future endeavors" is and "Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University" are rated as Excellent. "Curriculum offered is in tune with current Industry needs" with a score of 4.4, and has been rated as Excellent.

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It is clearly visible from the table that the parameters "Satisfaction of Academic and Emotional Progression of your ward" and "Your ward's competency with the students from other Institutes" obtained average scores 4.2 and has been rated as Excellent.

FEEDBACK ANALYSIS OF STUDENTS ON M. Tech - Machine Design Curriculum in AY: 2015 – 16

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

Q1. Course Contents of Curriculum in tune with the Program Outcomes
Q2. Course Contents designed offered enriches Core Competencies
Q3. Courses offered in the curriculum serves the needs of Mechanical Industries
Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
Q5. Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas
Q6. Curriculum providing enable towards self-learning
Q7. No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical 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 (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

Feedback from Students 2015-16 (Academic Year) - PG –M. Tech (MMD)

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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40	60	0	0	0	4.4	Excellent
Q2	40	40	20	0	0	4.2	Excellent
Q3	40	60	0	0	0	4.4	Excellent
Q4	20	60	20	0	0	4	Excellent
Q5	100	0	0	0	0	5	Excellent
Q6	100	0	0	0	0	5	Excellent
Q7	60	20	20	0	0	4.4	Excellent

The highest score of 5 was given to the parameters "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" and "Curriculum providing enable towards self-learning".

Followed by "Course Contents of Curriculum in tune with the Program Outcomes" and "Courses offered in the curriculum serves the needs of Mechanical Industries" with a score of 4.4 has been rated as Excellent.

It is clearly visible from the table that the parameters "Course Contents designed offered enriches Core Competencies "obtained average scores 4.2 and has been rated as Excellent.

Chairman, CDMC