08-06-2018

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 B.Tech (Mechanical Engineering).

S.No	Members	Designation
1.	Dr. L S Raju, Professor & HoD	Chairman
2.	Dr. D Satyanarayana, Associate Professor	Member
3.	Mr. G Suresh, Assistant Professor	Member
4.	Mr. N B Prakash T, Assistant Professor	Member

HOD, MECH

Minutes of CDMC Meeting

16-03-2019

The members of Curriculum Design and Monitoring Committee for B.Tech Mechanical Engineering program met on 16-03-2019 at AGF-04, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. L S Raju, Professor & HoD	Chairman	
2.	Dr. D Satyanarayana, Professor	Member	
3.	Dr. G Suresh, Associate Professor	Member	
4.	Mr. N B Prakash T, 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 2018-19.

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

1. Burden on the students need to be decreased as per the new guidelines of AICTE
2. Courses on current trends are to be offered
3. In-house training to be provided for facing competitive exams
4. The curriculum must improve the placements of the department
5. Special focus need to be given to fast learners
6. Importance need to be given for self-learning
7. Students need to be work on real time problems faced by current industry and society
8. Add employability courses in curriculum
9. As per AICTE recommendations credits need to be considered for MOOC's or online courses
10. Standards of materials, designation of materials and grades of alloys are need to be taught
11. Learning needs to be strengthened by introducing project based curriculum with major importance to industry and socio relevant needs
12. Fitness levels of the students both in physical and mental sense can be improved by introducing sports, physical fitness and games in to the curriculum

13. Benefits of 3D printing need to be provided to all the students irrespective of discipline
14. Skill based learning approach can be continued
15. Concept of Modular course has been continued from previous regulations with more emphasis towards practices followed by industries

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-I

FEEDBACK ANALYSIS OF ALUMNI ON B.Tech-Mechanical Engineering Curriculum in AY: 2018 – 19

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

Q1. Curriculum has paved a good foundation in understanding the basic engineering 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 (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

Feedback from Alumni 2018-19 (Academic Year) - UG – B. Tech (ME)

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	35	65	0	0	0	4.35	Excellent
Q2	30	65	5	0	0	4.25	Excellent
Q3	70	30	0	0	0	4.7	Excellent
Q4	35	60	5	0	0	4.3	Excellent
Q5	60	40	0	0	0	4.6	Excellent
Q6	20	60	20	0	0	4	Excellent
Q7	15	70	15	0	0	4	Excellent

The highest score of 4.7 was given to the parameter "Curriculum imparted all the required Job Oriented Skills / prerequisite to pursue higher education".

Followed by "Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry", "Curriculum has paved a good foundation in understanding the basic engineering concepts" and "Electives of Curriculum served the technical advancements needed to serve in the industry" with a score of 4.6 , 4.35 and 4.3 has been rated as Excellent.

It is clearly visible from the table that the parameters "Course Contents of Curriculum fulfilled the specified Program Outcomes", "Competency with your peers from other Institutions" and "Current curriculum meets the present industry demands", obtained average 4.25, 4 and 4 respectively has been rated as Excellent.

FEEDBACK ANALYSIS OF EMPLOYERS ON B.Tech-Mechanical Engineering Curriculum in AY: 2018 – 19

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

Q1. Course Contents of B.Tech Mechanical Engineering 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 Manufacturing Sectors
Q4. Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry
Q5. Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in product and process 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 2018-19 (Academic Year) - UG – B. Tech (ME)

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

Table 2: Analysis of feedback from Employer 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	36.4	45.5	18.2	0	0	4.186	Excellent
Q2	45.5	54.5	0	0	0	4.455	Excellent
Q3	45.5	36.4	18.2	0	0	4.277	Excellent
Q4	18.2	54.5	27.3	0	0	3.909	Very Good
Q5	18.2	81.8	0	0	0	4.182	Excellent

The highest score of 4.455 was given to the parameters "Relevance of the Course Contents in tune with the Industry Demands" 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 Manufacturing Sectors", "Course Contents of B.Tech Mechanical Engineering Curriculum is in tune with the Program Outcomes" and "Problem

Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in product and process industry" obtained scores 4.277, 4.186 and 4.182 respectively and has been rated as Excellent.

The parameter "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" obtained the scores of 3.909 and has been rated as Very-Good which will be considered and benefit the students.

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.

FEEDBACK ANALYSIS OF FACULTY ON B.Tech-Mechanical Engineering Curriculum in AY: 2018 – 19

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

Q1. Curriculum designed is in tune with program Vision and Mission
Q2. Contents of the curriculum enhances the core competencies and employability skills
Q3. Allocation of Credits to the Courses Satisfiable
Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
Q5. Electives offered in the program makes the faculty to explore latest technologies
Q6. Curriculum providing opportunity towards self-learning to meet the expectations
Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses Satisfiable
Q8. Number of theoretical courses and laboratory sessions sufficient to improve the technical skills of 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 2018-19 (Academic Year) - UG – B. Tech (ME)

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 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	96.8	0	3.2	0	0	4.936	Excellent
Q2	96.8	3.2	0	0	0	4.968	Excellent
Q3	6.5	93.5	0	0	0	4.065	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	0	100	0	0	0	4	Excellent
Q6	71	29	0	0	0	4.71	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	71	29	0	0	0	4.71	Excellent

The highest score of 5 was given to the parameter "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and "Composition of Basic Sciences, Engineering, Humanities and Management Courses Satisfiable and has been rated as Excellent.

It is clearly visible from the table that the parameters "Contents of the curriculum enhances the core competencies and employability skills" and "Curriculum designed is in tune with program Vision and Mission" obtained average scores 4.968 and 4.936 respectively and has been rated as Excellent.

From the table that the parameters "Curriculum providing opportunity towards self-learning to meet the expectations" and "Number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students" obtained average scores 4.71 and has been rated as Excellent. The parameters "Allocation of Credits to the Courses Satisfiable" and "Electives offered in the program makes the faculty to explore latest technologies" obtained average scores 4.065 and 4 respectively and has been rated as Excellent.

FEEDBACK ANALYSIS OF PARENTS ON B.Tech-Mechanical Engineering Curriculum in AY: 2018 – 19

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 endeavors
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 (≥3.5&<4); Good (≥3&<3.5); Moderate (>2 &<3) and Unsatisfactory (<2)

Feedback from Parent 2018-19 (Academic Year) - UG – B. Tech (ME)

The result derived in terms of percentage of Parent with common views, average score, and ratings is presented in Table 4.

Table 4: Analysis of feedback from Parent 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	76.7	10.5	12.8	0	0	4.639	Excellent
Q2	37.2	54.7	8.1	0	0	4.291	Excellent
Q3	41.9	50	8.1	0	0	4.338	Excellent
Q4	34.9	53.5	11.6	0	0	4.233	Excellent
Q5	72.1	8.1	19.8	0	0	4.523	Excellent

The highest score of 4.639 was given to the parameter "Satisfaction of Academic and Emotional Progression of your ward" followed by "Curriculum offered is in tune with current Industry needs" with a score of 4.523 has been rated as Excellent.

From the table it is clear that "Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University" and "Satisfaction with the offered curriculum for your wards future endeavors" with scores of 4.338, 4.291 respectively and has been rated as Excellent.

It is clearly visible from the table that the parameters and "Your ward's competency with the students from other Institutes" obtained average scores 4.233 and has been rated as Excellent.

FEEDBACK ANALYSIS OF STUDENTS ON B.Tech-Mechanical Engineering Curriculum in AY: 2018 – 19

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 and value added courses offered enriches Core Competencies
Q3. Courses offered in the curriculum serves the needs of both Mechanical Industries and IT sector
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. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable
Q8. 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 2018-19 (Academic Year) - UG – B. Tech (ME)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 5.

Table 5: Analysis of feedback from Students 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	56.4	43.6	0	0	0	4.564	Excellent
Q2	82.5	16.6	0	0	0.9	4.798	Excellent
Q3	41.2	58.8	0	0	0	4.412	Excellent
Q4	13.3	85.8	0	0	0.9	4.106	Excellent
Q5	15.2	84.8	0	0	0	4.152	Excellent
Q6	73.5	26.5	0	0	0	4.735	Excellent
Q7	19.4	80.6	0	0	0	4.194	Excellent
Q8	20.9	79.1	0	0	0	4.209	Excellent

The highest score of 4.798 was given to the parameters "Course Contents designed and value added courses offered enriches Core Competencies" has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum providing enable towards self-learning" and "Course Contents of Curriculum in tune with the Program Outcomes" obtained scores 4.735and 4.564 respectively and has been rated as Excellent.

The parameter "Courses offered in the curriculum serves the needs of both Mechanical Industries and IT sector" obtained the scores of 4.412 and has been rated as Excellent which will be considered and benefit the students.

Chairman,
CDMC