Minutes of CDMC Meeting

16-03-2019

The members of Curriculum Design and Monitoring Committee for B.Tech Automobile Engineering program met on 16-03-2019 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Mr. N.Narayana Rao, Assistant Professor & HoD	Chairman	
2.	Mr. B. Harish Babu Assistant Professor	Member	
3.	Ms. B. Anitha Reddy, Assistant Professor	Member	
4.	Mr. M. Aminul Islam , 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. Students need to be work on real time problems faced by current industry and society
7. Add employability courses in curriculum
8. Standards of materials, designation of materials and grades of alloys are need to be taught in Materials for Automotive Industry course.
9. Benefits of 3D printing need to be provided to all the students irrespective of discipline
10. 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 1

FEEDBACK ANALYSIS OFSTUDENTS ON B.Tech-Automobile 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 Automobile 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 Students 2018-19 (Academic Year) - UG – B. Tech (AME)

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 Alumni 2018–19

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	68.4	21.1	10.5	0	0	4.579	Excellent
Q2	68.4	10.5	0	21.1	0	4.262	Excellent
Q3	89.5	10.5	0	0	0	4.895	Excellent
Q4	78.9	21.1	0	0	0	4.789	Excellent

Q5	68.4	0	21.1	10.5	0	4.263	Excellent
Q6	84.2	15.8	0	0	0	4.842	Excellent
Q7	84.2	5.3	10.5	0	0	4.737	Excellent

The highest score of 4.895was given to the parameter "Curriculum imparted all the required Automobile Job Oriented Skills / prerequisite to pursue higher education" has been rated Excellent.

Followed by "Competency with your peers from other Institutions" and "Electives of Curriculum served the technical advancements needed to serve in the industry" with a score of 4.842 and 4.789 has been rated as Excellent.

It is clearly visible from the table that the parameters "Current curriculum meets the present industry demands", "Curriculum has paved a good foundation in understanding the basic engineering concepts" obtained scores of 4.737and4.579respectively and has been rated as Excellent.

It is clearly visible from the table that the parameters "Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry" and "Course Contents of Curriculum fulfilled the specified Program Outcomes" obtained scores of 4.263 and 4.262 respectively and has been rated as Excellent.

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

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

Q1. Course Contents of B.Tech Automobile 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 Automobile 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 categorizationis 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 (AME)

The result derived in terms of percentage of employer with common views, average score, and ratingsis 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	81.8	9.1	9.1	0	0	4.727	Excellent
Q2	72.7	9.1	18.2	0	0	4.545	Excellent
Q3	72.7	0	27.3	0	0	4.454	Excellent
Q4	81.8	0	9.1	9.1	0	4.545	Excellent
Q5	90.9	0	9.1	0	0	4.818	Excellent

The highest score of 4.818 was given to the parameters "Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in product and process industry", "Course Contents of B.Tech Automobile Engineering Curriculum is in

tune with the Program Outcomes" , "Relevance of the Course Contents in tune with the Industry Demands" followed by "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" and "Elective are in-line with the technology advancements in Modelling and Automobile Manufacturing Sectors" with a score of 4.727,4.545 and4.454 has been rated as Excellent.

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 Automobile 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- Automobile 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
Q9.Suggest any other points to improve the quality of the 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 Faculty 2018-19 (Academic Year) - UG – B. Tech (AME)

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	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 4.519 was given to the parameters "Electives offered in the program makes the faculty to explore latest technologies" and "Number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students" 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", "Allocation of Credits to the Courses Satisfiable", "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" ,"Curriculum providing opportunity towards self-learning to meet the expectations""Composition of Basic Sciences, Engineering, Humanities and Management Courses Satisfiable" and "Suggest any other points to improve the quality of the curriculum "obtained scores 4.26, 4.482, 4.223, 4.371, 4.334and 4.366respectively and has been rated as Excellent.

It is clearly visible from the table that the parameters "Curriculum designed is in tune with program Vision and Mission"obtained average score of 3.996 respectively and has been rated as very good.

FEEDBACK ANALYSIS OF PARENTS ON B.Tech- Automobile 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 categorizationis 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 (AME)

The result derived in terms of percentage of Parent with common views, average score, and ratingsis 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	40	36.3	0	23.7	0	3.44	Good
Q2	40	44	16	0	0	4.24	Excellent
Q3	28	56	16	0	0	4.12	Excellent
Q4	40	36	24	0	0	4.16	Excellent
Q5	44	16	40	0	0	4.04	Excellent

The highest score of 4.24 was given to the parameter "Satisfaction with the offered curriculum for your wards future endeavors" was rated Excellent and "Your ward's competency with the students from other Institutes", "Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University"

followed by "Curriculum offered is in tune with current Industry needs" with a score of 4.16, 4.12 and 4.04 has been rated as Excellent.

It is clearly visible from the table that the parameters "Satisfaction of Academic and Emotional Progression of your ward" obtained average score of 3.44 respectively and has been rated as Good.

FEEDBACK ANALYSIS OF ALUMNI ON B.Tech-Automobile 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 Automotive 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
Q9. Suggest any other points to improve the quality of the 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 Students 2018-19 (Academic Year) - UG – B. Tech (AME)

The result derived in terms of percentage of student 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	69.5	3.7	1.2	0	25.6	3.915	Very Good
Q2	53.7	24.4	0	0	22	3.881	Very Good
Q3	58.5	22	1.2	18.3	0	4.207	Excellent
Q4	80.5	0	15.9	0	3.7	4.539	Excellent

Q5	22	34.1	43.9	0	0	3.781	Very Good
Q6	69.5	26.8	3.7	0	0	4.658	Excellent
Q7	52.4	22	22	0	0	4.16	Excellent
Q8	6.1	26.8	63.4	3.7	0	3.353	Good
Q9	28	42.7	28	0	1.2	3.96	Very Good

The highest score of 4.658 was given to the parameter "Curriculum providing enable towards self-learning"has been rated as Excellent.

Followed by "Courses offered in the curriculum serves the needs of both Automotive Industries and IT sector", "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable. " and" Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" with a score of 4.207, 4.539 and 4.16 has been rated as Excellent.

"Course Contents of Curriculum in tune with the Program Outcomes", "Course Contents designed and value added courses offered enriches Core Competencies", "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" and "Suggest any other points to improve the quality of the curriculum" with a score of 3.915, 3.881, 3.781 and 3.96 has been rated as Very good.

It is clearly visible from the table that the parameter "No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical skills" obtained average score of 3.353 and has been rated as Good.

Chairman -CDMC
Mr. N. Narayan Rao, M.Tech (Ph.D)
Head of the Department
Applied Engineering
VFSTR (Deemed to be University)
Vadlamudi, Guntur
Andhra Pradesh