



**Minutes of CDMC Meeting**

07-03-2020

The members of Curriculum Design and Monitoring Committee for B.Tech Automobile Engineering program met on 07-03-2020 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.	Dr. Ayyanna DS, Assistant Professor	Member	
4.	Mr. M Selvamuthukumar, 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 2019-20.

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

1. Students need to be work on real time problems faced by current industry and society
2. Special focus need to be given to slow learners
3. Concept of Modular course has been continued from previous regulations
4. Courses on current trends are to be offered
5. Awareness on machine maintenance should be given to the students
6. More emphasis on communication and technical terminologies
7. Activities related to lifelong learning are to be imparted
8. Add employability courses in curriculum
9. In-house training to be provided for facing competitive exams
10. Curriculum need to be enriched with current Industrial trends

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 STUDENTS ON B.Tech-Automobile Engineering Curriculum in AY: 2019 – 20**

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

### **Feedback from Alumni Students 2019-20(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 2019-20**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	72.3	17	10.6	0	0	4.613	Excellent
Q2	57.4	12.8	0	29.8	0	3.978	Very Good
Q3	89.4	10.6	0	0	0	4.894	Excellent
Q4	85.1	14.9	0	0	0	4.851	Excellent
Q5	59.6	0	29.8	10.6	0	4.086	Excellent
Q6	83	17	0	0	0	4.83	Excellent
Q7	85.1	4.3	10.6	0	0	4.745	Excellent



The highest score of 4.894 was given to the parameter "Curriculum imparted all the required Automobile Job Oriented Skills / prerequisite to pursue higher education" has been rated Excellent.

Followed by "Electives of Curriculum served the technical advancements needed to serve in the industry" and "Competency with your peers from other Institutions" with a score of 4.851 and 4.83 has 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", "Curriculum providing enable towards self-learning" and "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" obtained average scores 4.065, 4.268, and 4.059 respectively and 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" 4.745, 4.613, respectively and has been rated as Excellent.



## FEEDBACK ANALYSIS OF EMPLOYERS ON B.Tech- Automobile Engineering Curriculum in AY: 2019-20

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 Modeling 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 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 2019-20(Academic Year) - UG – B. Tech (AME)

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 2019–20**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	33.3	0	0	0	4.667	Excellent
Q2	66.7	0	33.3	0	0	4.334	Excellent
Q3	66.7	33.3	0	0	0	4.667	Excellent
Q4	100	0	0	0	0	5	Excellent
Q5	66.7	33.3	0	0	0	4.667	Excellent

The highest score of 5 was given to the parameters “Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry” and “Relevance of the Course Contents in tune with the Industry Demands” and “Elective are in-line with the technology advancements in Modelling and Automotive Sectors” followed by



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" with a score of 4.667 and 4.334 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: 2019 – 20

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

### Feedback from Faculty 2019-20 (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 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	51.7	24.1	17.2	3.4	3.4	4.167	Excellent
Q2	51.7	37.9	3.4	6.9	0	4.341	Excellent
Q3	51.7	44.8	3.4	0	0	4.479	Excellent
Q4	48.3	24.1	24.1	3.4	0	4.17	Excellent
Q5	58.6	41.4	0	0	0	4.586	Excellent
Q6	58.6	37.9	0	3.4	0	4.514	Excellent



Q7	58.6	37.9	3.4	0	0	4.548	Excellent
Q8	55.2	41.4	3.4	0	0	4.518	Excellent
Q9	41.4	55.2	3.4	0	0	4.38	Excellent

The highest score of 4.586 was given to the parameter "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" with 4.518 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" "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" and "Curriculum providing opportunity towards self-learning to meet the expectations" "Composition of Basic Sciences, Engineering, Humanities and Management Courses Satisfiable" obtained average scores 4.548, 4.38, 4.514, 4.17 , 4.479, 4.431 and 4.167 respectively and has been rated as Excellent.





## FEEDBACK ANALYSIS OF PARENTS ON B.Tech- Automobile Engineering Curriculum in AY: 2019 – 20

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

### Feedback from Parent 2019-20 (Academic Year) - UG – B. Tech (AME)

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

**Table 4: Analysis of feedback from Parent 2019-20**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	45.8	29.2	0	25	0	3.458	Good
Q2	45.8	41.7	12.5	0	0	4.333	Excellent
Q3	37.5	50	12.5	0	0	4.25	Excellent
Q4	45.8	29.2	25	0	0	4.208	Excellent
Q5	37.5	8.3	54.2	0	0	3.833	Very Good

The highest score of 4.333 was given to the parameter "Satisfaction with the offered curriculum for your wards future endeavors" was rated Excellent and "Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University" followed by "Your ward's competency with the students from other Institutes" with a score of 4.25 and 4.208 has been rated as Excellent.





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## Department of Applied Engineering

It is clearly visible from the table that the parameters "Curriculum offered is in tune with current Industry needs" and "Satisfaction of Academic and Emotional Progression of your ward" obtained average scores 3.833 and 3.458 respectively and has been rated as Very Good and Good.



## FEEDBACK ANALYSIS OF ALUMNI ON B.Tech-Automobile Engineering Curriculum in AY: 2019 – 20

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

### Feedback from Students 2019-20(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 2019-20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	72.1	1.5	0	0	26.5	3.93	Very Good
Q2	47.1	27.9	0	0	25	3.721	Very Good
Q3	58.8	26.5	0	14.7	0	4.294	Excellent
Q4	85.3	0	13.2	0	1.5	4.676	Excellent
Q5	19.1	39.7	41.2	0	0	3.779	Very Good



Q6	70.6	27.9	1.5	0	0	4.691	Excellent
Q7	47.1	26.5	25	0	0	4.165	Excellent
Q8	1.5	26.5	70.6	1.5	0	3.283	Good
Q9	26.5	51.5	22.1	0	0	4.048	Excellent

The highest score of 4.691 was given to the parameter "Curriculum providing enable towards self-learning" and "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" 4.676 has been rated as Excellent.

Followed by "Courses offered in the curriculum serves the needs of both Automotive Industries and IT sector" "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" with a score of **4.294**, and 4.165 has been rated as Excellent.

It is clearly visible from the table that the parameters "Course Contents of Curriculum in tune with the Program Outcomes" "Course Contents designed and value added courses offered enriches Core Competencies" and "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas" obtained average scores 3.93, 3.721 and 3.283 respectively and has been rated as very Good.

  
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