



**Minutes of CDMC Meeting**

18-03-2017

The members of Curriculum Design and Monitoring Committee for B.Tech Automobile Engineering program met on 18-03-2017 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. D. Vinay Kumar, HoD, Applied Engineering	Chairman	
2.	Mr. B. Harishbabu Assistant Professor	Member	
3.	Dr. A. Sirisha, Assistant Professor	Member	
4.	Mr. M. Naresh, 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 2016-17.

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

1. Students are expecting statistical quality analysis course which helps them when they join in industry.
2. Topics related to Nano technology needs to be introduced as a course.
3. They are expected to introduce 3D printing course in the department for better understanding of Additive manufacturing.
4. Students are expecting more topics on Electric and hybrid Vehicles.
5. They are expected to have some introduction to Engine Management system
6. They are expected to have foreign language course in the curriculum
7. Training in various skill development centers need to be planned
8. Design course need more topics on basic automotive component design.
9. Topics related to practical transmission elements need to be emphasized.
10. Students are expecting more electives with respect to different specializations in Automobile engineering.



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 B.Tech-Automobile Engineering Curriculum In Ay: 2016 – 17**

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 2016-17 (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 2016–17**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	58.8	23.5	17.7	0	0	4.408	Excellent
Q2	64.7	11.8	0	23.5	0	4.177	Excellent
Q3	88.2	11.8	0	0	0	4.882	Excellent
Q4	88.2	11.8	0	0	0	4.882	Excellent
Q5	58.8	0	23.5	17.6	0	3.997	Very Good
Q6	88.2	11.8	0	0	0	4.882	Excellent
Q7	88.2	0	11.8	0	0	4.764	Excellent



The highest score of 4.882 was given to the parameter "Electives of Curriculum served the technical advancements needed to serve in the industry" and "Competency with your peers from other Institutions"; "Curriculum imparted all the required Automobile Job Oriented Skills / prerequisite to pursue higher education" has been rated as Excellent.

Followed by "Curriculum has paved a good foundation in understanding the basic engineering concepts" "Course Contents of Curriculum fulfilled the specified Program Outcomes" with a score of 4.408 and 4.177 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" 3.997 has been rated as Very good.

**FEEDBACK ANALYSIS OF EMPLOYERS ON B.Tech-  
Automobile Engineering Curriculum in AY: 2016 – 17**



## **FEEDBACK ANALYSIS OF EMPLOYERS ON B.Tech- Automobile Engineering Curriculum in AY: 2016 – 17**

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 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) - 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 2016–17**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	88.9	11.1	0	0	0	4.889	Excellent
Q2	77.8	22.2	0	0	0	4.778	Excellent
Q3	55.6	44.4	0	0	0	4.556	Excellent
Q4	66.7	33.3	0	0	0	4.667	Excellent
Q5	88.9	11.1	0	0	0	4.889	Excellent



The highest score of 4.889 was given to the parameters "Course Contents of B.Tech Automobile Engineering Curriculum is in tune with the Program Outcomes", "Problem Solving and Soft Skills acquired by the students through the course contents will enable them to be placed in product and process industry" and "Relevance of the Course Contents in tune with the Industry Demands" "Elective are in-line with the technology advancements in Modelling and Automobile Manufacturing Sectors" followed by "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" with a score of 4.778, 4.667 and 4.556 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: 2016 – 17**

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 2016-17 (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 2016–17**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	51.7	17.2	17.2	13.8	0	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 "Number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students" and "Electives offered in the program makes the faculty to explore latest technologies" with 4.586 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" and "Curriculum providing opportunity towards self-learning to meet the expectations" "Composition of Basic Sciences, Engineering, Humanities and Management Courses Satisfiable" obtained average scores 4.273, 4.483, 4.172, 4.445 , 4.311 and 4.518 respectively and has been rated as Excellent. "Curriculum designed is in tune with program Vision and Mission" with 3.996 and it has been rated as very good.





**FEEDBACK ANALYSIS OF PARENTS ON B.Tech- Automobile Engineering  
Curriculum in AY: 2016 – 17**

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 2016-17 (Academic Year) - UG – B. Tech (AME)**

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 2016-17**

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	41.9	32.3	0	25.8	0	3.387	Good
Q2	41.9	41.9	16.1	0	0	4.254	Excellent
Q3	32.3	51.6	16.1	0	0	4.162	Excellent
Q4	41.9	32.3	25.8	0	0	4.161	Excellent
Q5	41.9	12.9	45.2	0	0	3.967	Very Good

The highest score of 4.254 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 4.162 and 4.161 has been rated as Excellent.



It is clearly visible from the table that the parameters "Satisfaction of Academic and Emotional Progression of your ward" and "Curriculum offered is in tune with current Industry needs" obtained average scores 3.387 and 3.967 respectively and has been rated as GOOD and Very Good.



## Feedback Analysis of Students on B.Tech-Automobile Engineering Curriculum in Ay: 2016 – 17

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 2016-17 (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 2016–17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.3	16.8	3.2	0	13.7	4.22	Excellent
Q2	62.1	25.3	2.1	0	10.5	4.285	Excellent
Q3	45.3	30.5	9.5	14.7	0	4.064	Excellent
Q4	66.3	5.3	20	2.1	6.3	4.232	Excellent
Q5	29.5	33.7	33.7	2.1	1.1	3.887	Very Good



Q6	45.3	38.9	15.8	0	0	4.295	Excellent
Q7	48.4	29.5	13.7	0	3.2	4.043	Excellent
Q8	21.1	38.9	33.7	6.3	0	3.748	Very Good
Q9	28.4	36.8	30.5	1.1	3.2	3.861	Very Good

The highest score of 4.295 was given to the parameter "Curriculum providing enable towards self-learning" and 'Course Contents designed and value added courses offered enriches Core Competencies" with 4.285 has been rated Excellent.

Followed by "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and "Courses offered in the curriculum serves the needs of both Automotive Industries and IT sector" with a score of 4.232, 4.064, has been rated as Excellent.

It is clearly visible from the table that the parameters "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable". obtained average scores 4.043 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas", obtained average scores 3.887 respectively and has been rated as Very Good.

Chairman -CDMC

Department of Applied Engineering

**VFSTR** University

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