



Minutes of CDMC Meeting

19-03-2016

The members of Curriculum Design and Monitoring Committee for B.Tech Automobile Engineering program met on 19-03-2016 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. K P Vidhu, HoD, Applied Engineering	Chairman	
2.	Mr. B. Harish Babu, Assistant Professor	Member	
3.	Mr. G Maruthi Prasad, Assistant Professor	Member	
4.	Mr. Sushanth .B 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 should correlate the theoretical knowledge and practical applications
2. Software's like NX CADD have to be taught apart from course curriculum
3. More choices should be offered for choosing electives
4. To have prior knowledge CFD should be learned before appearing internship in industries.
5. Students have expected more courses on Electric vehicles.
6. Students have expressed to include some more knowledge on automotive material & metallurgy.
7. Students have expected more courses on Motor sport specialization subjects.
8. Case study based learning need to be implemented.
9. The students have requested to introduce two and three wheeler technology in their curriculum which is useful for industrial applications.



10. Students have expected more courses on open source tools such as CATIA, SOLID WORKS for design and analysis.

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.

Dr. Sarjato

Chairman,
CDMC

Department of Applied Engineering
VFSTR University
VADLAMUDI



Annexure 1

FEEDBACK ANALYSIS OF STUDENTS ON B.Tech-Automobile Engineering 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 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 2015-16 (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 student 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	65.9	26.4	3.3	0	4.4	4.494	Excellent
Q2	59.3	31.9	2.2	0	6.6	4.373	Excellent
Q3	37.4	37.4	15.4	8.8	1.1	4.015	Excellent
Q4	53.8	13.2	25.3	3.3	4.4	4.087	Excellent



Q5	29.7	40.7	26.4	2.2	1.1	3.96	Very Good
Q6	41.8	42.9	15.4	0	0	4.268	Excellent
Q7	25.3	61.5	9.9	0	3.3	4.055	Excellent
Q8	28.6	45.1	22	4.4	0	3.982	Very Good
Q9	26.4	39.6	28.6	2.2	3.3	3.839	Very Good

The highest score of 4.494 was given to the parameter "Course Contents of Curriculum in tune with the Program Outcomes" has been rated Excellent.

Followed by "Course Contents designed and value added courses offered enriches Core Competencies" and "Courses offered in the curriculum serves the needs of both Automotive Industries and IT sector" with a score of 4.37 and 4.015 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 "Electives have enabled the passion to learn new technologies in emerging and Interdisciplinary Areas", "No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical skills" and "Suggest any other points to improve the quality of the curriculum" obtained average scores 3.96, 3.982, and 3.839 respectively and has been rated as Very Good.



FEEDBACK ANALYSIS OF EMPLOYERS ON B.Tech- Automobile Engineering Curriculum in AY: 2015 – 16

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

Feedback from Employer 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	87.5	12.5	0	0	0	4.875	Excellent
Q2	87.5	12.5	0	0	0	4.875	Excellent
Q3	87.5	12.5	0	0	0	4.875	Excellent
Q4	75	25	0	0	0	4.75	Excellent
Q5	75	12.5	0	0	0	4.25	Excellent

The highest score of 4.875 was given to the parameters "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" and "Elective are in-line with the



technology advancements in Modelling and Automotive Sectors" followed by "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" 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 4.725 and 4.25 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: 2015 – 16

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 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	22.7	18.2	4.5	4.5	4.089	Excellent
Q2	50	36.4	4.5	9.1	0	4.273	Excellent
Q3	50	45.5	4.5	0	0	4.455	Excellent
Q4	50	22.7	22.7	4.5	0	4.179	Excellent
Q5	54.5	45.5	0	0	0	4.545	Excellent
Q6	59.1	27.3	9.1	4.5	0	4.41	Excellent



Q7	54.5	27.3	13.6	4.5	0	4.315	Excellent
Q8	63.6	27.3	9.1	0	0	4.545	Excellent
Q9	54.5	36.4	4.5	4.5	0	4.406	Excellent

The highest score of 4.545 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" 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 4.089, 4.273, 4.455, 4.179, 4.41, 4.431 and 4.406 respectively and has been rated as Excellent.



FEEDBACK ANALYSIS OF PARENTS ON B.Tech- Automobile Engineering 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 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 2015-16 (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 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	50	18.8	18.8	6.3	6.1	3.563	Very Good
Q2	50	18.8	18.8	6.3	6	4.005	Excellent
Q3	50	18.8	12.5	0	18.8	3.815	Very Good
Q4	50	18.8	12.5	0	18.8	3.815	Very Good
Q5	43.8	12.5	25	6.3	12.4	3.691	Very Good

The highest score of 4.005 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 "Curriculum offered is in tune with current Industry needs" with a score of 3.815 and has been rated as Very good.



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 3.563 and 3.691 respectively and has been rated as Very Good.



FEEDBACK ANALYSIS OF ALUMNI ON B.Tech-Automobile Engineering Curriculum in AY: 2015 – 16

Feedback has been received from the alumni students 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 Students 2015-16 (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 Alumni Students 2015–16

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.7	25	8.3	0	0	4.584	Excellent
Q2	66.7	16.7	0	16.7	0	4.337	Excellent
Q3	75	25	0	0	0	4.75	Excellent
Q4	83.3	16.7	0	0	0	4.833	Excellent
Q5	66.7	8.3	16.7	8.3	0	4.334	Excellent
Q6	83.3	16.7	0	0	0	4.833	Excellent
Q7	75	8.3	16.7	0	0	4.583	Excellent



The highest score of 4.833 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" 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" "Curriculum imparted all the required Automobile Job Oriented Skills / prerequisite to pursue higher education" with a score of 4.584, 4.337 and 4.75 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 "Current curriculum meets the present industry demands" obtained average scores 4.334 and 4.583 respectively and has been rated as Excellent.

H. C. Sarjeet

Chairman - CDMC

Department of Applied Engineering

VFSTR University
VADLAMUDI