

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)


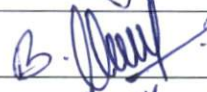


-Estd. u/s 3 of UGC Act 1956

Department of Applied Engineering

Minutes of CDMC Meeting

24-03-2018

The members of Curriculum Design and Monitoring Committee for B.Tech Automobile Engineering program met on 24-03-2018 at AFTF-05, 'U' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. D Satyanarayana Rao, HoD, Applied Engineering	Chairman	
2.	Mr. B. Harish babu	Member	
3.	Ms. Anitha Reddy. B	Member	
4.	Mr. Sapuni Sebastian	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 2017-18.

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

1. Knowledge on Automotive materials is to be needed
2. More emphasis on communication and technical terminologies
3. Analysis software's to be offered exclusively without combining modelling aspects
4. Recent trends on electric and hybrid technologies is to be emphasized
5. In-depth knowledge of casting, welding and machining has to be imparted
6. Awareness on Robotics is required.
7. Special focus need to be given to fast learners
8. Students should be cautious about their physical fitness
9. Special focus need to be given slow learners.
10. Students need to be work on real time problems faced by Automotive industry and society

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: 2017 – 18**

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 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	64.7	21.6	13.7	0	0	4.51	Excellent
Q2	66.7	15.7	0	17.6	0	4.315	Excellent
Q3	80.4	19.6	0	0	0	4.804	Excellent
Q4	80.4	19.6	0	0	0	4.804	Excellent

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

Department of
Applied Engineering

Q5	62.7	5.9	17.6	13.7	0	4.173	Excellent
Q6	86.3	13.7	0	0	0	4.863	Excellent
Q7	82.4	3.9	13.7	0	0	4.687	Excellent

The highest score of 4.863 was given to the parameter "Competency with your peers from other Institutions" has been rated Excellent.

Followed by "Curriculum imparted all the required Automobile Job Oriented Skills / prerequisite to pursue higher education" and "Electives of Curriculum served the technical advancements needed to serve in the industry " with a score of 4.807 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 average scores 4.687 and 4.51 respectively and has been rated as Excellent.

It is clearly visible from the table that the parameters "Course Contents of Curriculum fulfilled the specified Program Outcomes ", "Tools and Methodologies followed during practical sessions has enriched the required practical knowledge to serve in Industry obtained average scores 4.315 and 4.173 respectively and has been rated as Excellent.

**FEEDBACK ANALYSIS OF EMPLOYERS ON B.Tech-
Automobile Engineering Curriculum in AY: 2017 – 18**

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

- Q1. Course Contents of B.TechAutomobile 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 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	75	12.5	12.5	0	0	4.625	Excellent
Q2	75	25	0	0	0	4.75	Excellent
Q3	87.5	0	12.5	0	0	4.75	Excellent
Q4	75	0	25	0	0	4.5	Excellent
Q5	87.5	12.5	0	0	0	4.875	Excellent

The highest score of 4.875 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”. “Relevance of the Course Contents in tune with the Industry



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

Estd. u/s 3 of UGC Act 1956

Department of
Applied Engineering

Demands" and "Elective are in-line with the technology advancements in Modelling and Automotive Sectors" followed by "Course Contents of B.Tech Automobile Engineering Curriculum is in tune with the Program Outcomes" and "Applicability of the tools and technologies described in the curriculum will be enough to practice in Industry" with a score of 4.75, 4.625 and 4.5 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: 2017 – 18**

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 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	52.4	23.8	19	4.8	0	4.238	Excellent
Q2	47.6	38.1	4.8	9.5	0	4.238	Excellent
Q3	47.6	47.6	4.8	0	0	4.428	Excellent
Q4	47.6	23.8	23.8	4.8	0	4.142	Excellent
Q5	57.1	42.9	0	0	0	4.571	Excellent
Q6	57.1	28.6	9.5	4.8	0	4.38	Excellent

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

Department of
Applied Engineering

Q7	57.1	23.8	14.3	4.8	0	4.332	Excellent
Q8	71.4	23.8	4.8	0	0	4.666	Excellent
Q9	57.1	38.1	4.8	0	0	4.523	Excellent

The highest score of 4.666 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" obtained a score of 4.571 and has been rated as Excellent.

It is clearly visible from the table that the parameters "Suggest any other points to improve the quality of the curriculum" "Allocation of Credits to the Courses Satisfiable" "Curriculum designed is in tune with program Vision and Mission" "Contents of the curriculum enhances the core competencies and employability skills" and "Curriculum providing opportunity towards self-learning to meet the expectations", "Composition of Basic Sciences, Engineering, Humanities and Management Courses Satisfiable", "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" obtained scores of 4.523, 4.428, 4.238, 4.38, 4.332 and 4.142 respectively and has been rated as Excellent.



FEEDBACK ANALYSIS OF PARENTS ON B.Tech- Automobile Engineering Curriculum in AY: 2017 – 18

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 2017-18 (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 2017-18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40.9	36.4	0	22.7	0	3.501	Very Good
Q2	40.9	45.5	13.6	0	0	4.273	Excellent
Q3	22.7	63.6	13.6	0	0	4.087	Excellent
Q4	40.9	36.4	22.7	0	0	4.182	Excellent
Q5	40.9	18.2	40.9	0	0	4	Excellent

The highest score of 4.273 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" followed by "Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

Department of
Applied Engineering

University" and "Curriculum offered is in tune with current Industry needs" with a score of 4.182, 4.087 and 4 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 scores 3.501 and has been rated as Very Good.



FEEDBACK ANALYSIS OF ALUMNI ON B.Tech-Automobile Engineering Curriculum in AY: 2017 – 18

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 2017-18 (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 2017–18

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	67.8	8.9	3.3	0	20	4.045	Excellent
Q2	62.2	20	1.1	0	16.7	4.11	Excellent
Q3	51.1	20	8.9	20	0	4.022	Excellent
Q4	68.9	2.2	22.2	0	6.7	4.266	Excellent
Q5	22.2	33.3	41.1	2.2	1.1	3.73	Very Good

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

**Department of
Applied Engineering**

Q6	56.7	32.2	11.1	0	0	4.456	Excellent
Q7	52.2	22.2	16.7	0	3.3	4.032	Excellent
Q8	12.2	33.3	47.8	6.7	0	3.51	Very Good
Q9	30	35.6	30	1.1	3.3	3.879	Very Good

The highest score of 4.456 was given to the parameter "Curriculum providing enable towards self-learning " followed by "Contact Hour Distribution among the various Course Components (LTP) is Satisfiable" and "Course Contents designed and value added courses offered enriches Core Competencies" with a score of 4.266 and 4.11 has been rated as Excellent

"Course Contents of Curriculum in tune with the Program Outcomes" , "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable" and "Courses offered in the curriculum serves the needs of both Automotive Industries and IT sector "with a score of 4.045 , 4.032 and 4.022 has been rated as Excellent

It is clearly visible from the table that the parameters "Suggest any other points to improve the quality of the curriculum", "Electives of Curriculum served the technical advancements needed to serve in the industry" and "Competency with your peers from other Institutions" and "No. of Laboratory sessions and Theory Courses have been sufficient to improve the technical skills" obtained average scores 3.879, 3.73 and 3.51 respectively and has been rated as very good.

Chairman -CDMC

Department of Applied Engineering

VFSTR University

VADLAMUDI