VIGNAN'S UNIVERSITY
Foundation for Science, Technology & Research
(Estd u/s 3 of UGC Act of 1956)
(ACCREDITED BY NAAC WITH 'A' GRADE)

Department of
Applied Engineering

DEPARTMENT OF APPLIED ENGINEERING

Action Taken Report on B. Tech Automobile Program R13 Feedback Implemented in R16 introduced in the AY 2016 – 17

Action taken based on the suggestions from Students:

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.Laboratory sessions are sufficient to improve the technical skills of students

Q9.Suggest any other points to improve the quality of the curriculum

Analysis of Overall Feedback given by the Students on R13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	66.8	18.8	3.6	0	10.9	4.309	Excellent
Q2	63.5	25	2.3	0	9.2	4.336	Excellent
Q3	42.1	33.6	11.5	12.8	0	4.05	Excellent
Q4	63.5	6.9	21.1	2.6	5.9	4.195	Excellent
Q5	31.6	34.2	30.3	2.6	1.3	3.922	Very Good
Q6	40.5	41.4	17.8	0	0.3	4.218	Excellent
Q7	46.7	32.2	12.5	0	3.9	4.037	Excellent
Q8	23.7	42.1	28.3	5.9	0	3.836	Very Good
Q9	28.3	37.5	29.3	1.3	3.6	3.856	Very Good

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Itemized responses given to the Suggestions of Students

Suggestion: Special focus need to be given to fast learners.

Action Taken: Honour degree has been offered to the fast learners who has zero backlog history with 8.0 CGPA till end of second year.

Suggestion: Apart from curriculum training by Industrial Expert is to be given to students.

Action Taken: Concept of Modular course has been introduced in III Year in which expert from Industry will take up a course and was introduced for 1 credit.

Suggestion: A recent trend on automotive manufacturing technologies is to be emphasised.

Action Taken: Courses like MPAC, Vehicle Body engineering, are offered as manufacturing stream .

Suggestion: The curriculum must improve the placements of the department

Action Taken: Modular courses are offered as a one-credit course and every student must undergo at least one modular course taught by an external expert from Industry. Along with that courses from APSSDC are offered to improve the knowledge on software packages as an add-on course in the curriculum

Action taken based on the suggestions from Alumni:

Q1. Curriculum has paved a good foundation in understanding the basic engineering concepts

Q2. Course Contents of Curriculum are in tune with the 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. Ability to compete with your peers from other Universities

Q7. Current curriculum meets the present industry demands

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Analysis of Overall Feedback given by the Alumni on R13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	63.3	23.3	13.3	0	0	4.496	Excellent
Q2	66.7	13.3	0	20	0	4.267	Excellent
Q3	83.3	16.7	0	0	0	4.833	Excellent
Q4	83.3	16.7	0	0	0	4.833	Excellent
Q5	63.3	3.3	20	13.3	0	4.163	Excellent
Q6	86.7	13.3	0	0	0	4.867	Excellent
Q7	83.3	3.3	13.3	0	0	4.696	Excellent

Itemized responses given to the suggestions of Alumni

Suggestion: Materials for Automotive industry, Automotive Chassis and MVT need to be added in Curriculum

Action Taken: the above mentioned subjects are introduced with new technologies.

Suggestion: Analysis software's to be offered with design subjects

Action Taken: Automotive Components Design Course is integrated with catia lab and minor project is as included to improve analysing skills.

Suggestion: More emphasis on communication and technical terminologies.

Action Taken: Certifications like PET and BEC, CRT and life skills have been offered throughout the program at different stages.

Suggestion: Add employability courses in curriculum

Action Taken: Introduced employability and skill-based courses in every semester to make the student's industry ready.

Action taken based on the suggestions from Faculty:

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 are satisfiable

Q4.Contact Hour Distribution among the various Course Components (LTP) is Justifiable

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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

Analysis of Overall Feedback given by the Faculty on R13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	51	19.6	17.6	5.9	5.9	4.039	Excellent
Q2	51	35.3	3.9	9.8	0	4.275	Excellent
Q3	52.9	41.2	5.9	0	0	4.47	Excellent
Q4	51	21.6	21.6	5.9	0	4.18	Excellent
Q5	56.9	43.1	0	0	0	4.569	Excellent
Q6	58.8	29.4	7.8	3.9	0	4.428	Excellent
Q7	54.9	27.5	11.8	5.9	0	4.317	Excellent
Q8	66.7	27.5	5.9	0	0	4.612	Excellent
Q9	54.9	39.2	3.9	2	0	4.47	Excellent

Itemized responses given to the suggestions of Faculty

Suggestion: Students should correlate the theoretical knowledge and practical applications

Action Taken: Theory courses are integrated with lab courses where ever possible with an inclusion of minor project to impart skill based learning

Suggestion: More Design software's has to be implement in the course curriculum

Action Taken: Hands on experience on design and modelling software's are planned to offered as value added courses

Suggestion: up-to-date technologies like RTTW, Electric vehicles, Nano technology in Automobile need to include in curriculum.

Action Taken: new courses have been offered as department electives and open electives broadening the selection window based on their own interest

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Action taken based on the suggestions from Employers:

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.

Analysis of Overall Feedback given by the Employers on R13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	90	10	0	0	0	4.9	Excellent
Q2	90	10	0	0	0	4.9	Excellent
Q3	80	20	0	0	0	4.8	Excellent
Q4	70	30	0	0	0	4.7	Excellent
Q5	80	10	0	0	0	4.4	Excellent

Itemized responses given to the suggestions of Employers

Suggestion: More emphasis on communication and technical terminologies

Action Taken: Certifications like PET and BEC, CRT and life skills have been offered throughout the program at different stages

Suggestion: Recent trends on automotive manufacturing technologies is to be emphasised

Action Taken: Courses like Nanotechnology, Vehicle body engineering, manufacturing process for automotive components is included in the R16 Curriculum

Suggestion: Awareness on material property evaluation required

Action Taken: materials for automotive industry subject are included with new technologies required for industry needs.

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Action taken based on the suggestions from Parents:

1. Satisfaction of Academic and Emotional Progression of your ward

2. Satisfaction with the offered curriculum for your wards future endeavours?

3. Overall assessment of technical knowledge acquired by your ward who is pursuing his/her program in our University

4. Competency of your ward is on par with the students from other Universities/Institutes

5. Course Curriculum is of the global standard and is in tune with the needs of Automotive and IT enabled industries

Analysis of Overall Feedback given by the Parents on R13

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Grade
Q1	40.5	35.4	0	0	0	3.441	Good
Q2	40.5	44.3	15.2	0	0	4.253	Excellent
Q3	27.8	57	15.2	0	0	4.126	Excellent
Q4	40.5	35.4	24.1	0	0	4.164	Excellent
Q5	41.8	15.2	43	0	0	3.988	Very Good

Itemized responses given to the suggestions of Parents

Suggestion: Give more importance for computing and programming in curriculum.

Action Taken: subjects like computer programming in first year and Data structure in third year as main course is added in curriculum.

Suggestion: The curriculum should be more practical oriented than theory and suitable for project-oriented learning

Action Taken: Lab integrated with Theory and Minor projects along with core courses transform the students as industry ready.

Suggestion: Add employability courses in curriculum

Action Taken: Introduced employability and skill-based courses in every semester to make the student's industry ready.

Suggestion: The curriculum must improve the placements of the department

Action Taken: Modular courses are offered as a one-credit course and every student must undergo at least one modular course.

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