# Sri Venkateswara College of Engineering

(An Autonomous institution affiliated to Anna University)

Pennalur, Sriperumbudur (Tk) 602117

07/05/2021

## Department of Automobile Engineering
## Feedback Report (2018-19, 2019-20, 2020-21)

## Feedback Report

Sri Venkateswara College of Engineering always continues its upward journey to attain its noble vision by convening a meeting to get a collective feedback from all its stakeholders during the month of April 2021 in addition to the implementation of Choice Based Credit System (CBCS) in the curriculum under autonomous status to the ensuing BoS in framing the curriculum for Regulations 2022.

**Student Feedback**

| S.No. | Attributes | Remarks | Reference |
|-------|-----------|---------|-----------|
| 1. | Course is relevant to the current industry needs. | Very Good. Requires attention. | Student feedback analysis for AY18-19, AY19-20 & AY20-21 |
| 2-6. | Fulfillment of Course Outcomes | Very Good. To be reviewed based on the level of attainment. | |
| 7. | Course enhanced my ability to formulate, analyze and solve problems | Very Good. Some contents of the course needs fine tune up. | |
| 8. | Course imparted sufficient technical skills which will help in placement and higher studies | Very Good. Special training needs to be identified. | |
| 9. | Appropriate textbooks and reference books were quoted and were available in the library | Excellent. | |
| 10. | Continuous Assessments (Test, Assignment, MCQ, etc) are relevant to the COs and are effective | Excellent. Participatory assignments may be included. | |

**Faculty Feedback**

| S.No | Attributes | Remarks | Reference |
|------|-----------|---------|-----------|
| 1. | Is the course relevant for the program? | Excellent. | |
| 2. | Is the allocation of the credits to the course appropriate? | Excellent. | |
| 3. | Are the course outcomes well defined and clear to the teachers and the students? | Excellent. | |
| 4. | Is the course content adequate in relation to the Course Outcomes (COs)? | Excellent. | Faculty feedback analysis for AY18-19, AY19-20 & AY20-21 |
| 5. | How is the scope for the use of modern / ICT tools and for improved learning? | Very Good. More ICT tools may be explored for online course delivery. | |
| 6. | Are appropriate textbooks and reference books quoted and are available in the library? | Excellent. | |
| 7. | How well is the course evaluation scheme designed? | Excellent | |
| 8. | Does the course content enable Participatory Learning? | Very Good. Contents of the courses need to be fine tuned. | |
| 9. | Is the course duration adequate? | Excellent. | |
| 10. | Overall satisfaction | Excellent | |

## Alumni Feedback

| S.No | Attributes | Remarks | Reference |
|------|-----------|---------|-----------|
| 1. | Courses were relevant for the program and met the current industry needs | Very Good. Few courses supporting industry needs to be included. | |
| 2. | Knowledge provided by the courses were useful to the professional practice | Very Good. Contents emphasising professional practice is to be enriched. | |
| 3. | The courses enhance the employability potential | Very Good. Inter-disciplinary courses are to be included. | |
| 4. | Appropriate textbooks and reference books were quoted and were available in the library | Very Good. E- materials should be increased. | |
| 5. | Courses enabled me to relate theory to practice | Very Good. Theory cum practice courses need to be incorporated. | Alumni feedback analysis for AY18-19, AY19-20 & AY20-21 |
| 6. | The courses enabled critical thinking and problem-solving skills | Very Good. Courses should include contents related to real time case studies. | |
| 7. | The courses provided an opportunity to enhance communication and interpersonal skills | Very Good. Some interpersonal skill development courses may be considered. | |
| 8. | Curriculum and courses inspired lifelong learning | Very Good. Few contents related to professional practice to be enriched. | |
| 9. | Rate the evaluation schemes adopted. | Very Good. | |
| 10. | Overall Satisfaction of the Program | Very Good | |

**Employer Feedback**

| S.No | Attributes | Remarks | Reference |
|---|---|---|---|
| 1. | The curriculum addresses the Industries' current needs | Excellent. Industry supported courses are required | Employer feedback analysis for AY18-19, AY19-20 & AY20-21 |
| 2. | The curriculum is oriented towards the Organization's Vision & Mission | Very Good. | |
| 3. | The curriculum can serve the Society's requirements | Excellent. Contents addressing societal needs are to be included. | |
| 4. | The Curriculum and Syllabus have imparted useful knowledge needed for professional practice | Excellent. | |
| 5. | The curriculum has provided the competency to relate theory to practice | Very Good. Few more experiments need to be included in some courses | |
| 6. | Projects emphasize team building and teamwork. | Excellent. More industry projects should be encouraged | |
| 7. | The co-curricular activities have enhanced organizing and interpersonal skills. | Excellent. | |
| 8. | The curriculum has instilled Professional Ethics in the students | Excellent. Interpersonal development skills should be focused more. | |
| 9. | The curriculum has stimulated continuous learning. | Excellent | |
| 10. | Overall Satisfaction on the Curriculum and Syllabus | Excellent | |

Although all the stakeholders are more satisfied with the curriculum and syllabi under Regulation 2018, feedback received from them needs shows that fine tune-up of the curriculum is required in certain aspect which are discussed below.

Students expectations needs to be fulfilled in acquiring the technical skills by organizing skill based training and competency improvement programs in order to excel in placement and higher studies.

Feedback received from faculty members confirms the strong relevance of the courses to the programme. Also, faculty feedback reveals that group assignments or mini-projects in certain design based courses are required to enable them to involve the students to ensure participatory learning.

Alumni feedback reveals that the incorporation of interdisciplinary courses related to the current trends and technologies with their core programme enable them to align themselves with the requirements. Also, further it shows that theory cum laboratory courses in the curriculum enables the students to put theory into practice.

**Action to be taken:**

1. Suggested to include suitable online courses conducted by reputed higher technical education bodies for making the students to focus on acquiring knowledge in their specific field of interest.

2. To incorporate more interdisciplinary courses related to the current trends and technologies with their core programme.

3. To frame the syllabus of common courses like Mathematics, Physics and Chemistry with respect to the requirements of the branch.

4. Recommended to include theory cum practical courses wherever possible.

5. Few courses to be included in the curriculum keeping in view of the Industry requirements and the same to be offered in collaboration with the leading industries in that specific area.

6. Few courses to be included in the curriculum in niche areas like Autonomous Electric and Connected vehicles

7. By introducing certain elective courses to give exposure to the software tools currently used by the companies engaged in the Automobile and Mechanical Engineering projects.

**HoD/AUT**

Dr.J.VENKATESAN, M.E.,Ph.D.
Professor & Head
Department of Automobile Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Taluk-602 117
Tamil Nadu, India

# Department of Automobile Engineering

## Action Taken and Relevant Proofs during Implementation of R2022

| S. No. | Action to be taken | Action taken | Year | Proof |
|---|---|---|---|---|
| 1 | Suggested to include suitable online courses conducted by reputed higher technical education bodies for making the students to focus on acquiring knowledge in their specific field of interest. | Students may be encouraged more towards online courses offered by NPTEL, SWAYAM etc. which will motivate and give directions for lifelong learning and to be implemented in R2022. | - | Discussions was made in Board of Studies meeting and decided to introduce online courses. **Reference**: BoS meeting minutes held on 17.04.2021 |
| 2 | To incorporate more interdisciplinary courses related to the current trends and technologies with their core programme. | To be implemented in R2022 | - | Discussions was made in Board of Studies meeting and decided to introduce theory cum practical courses. **Reference**: BoS meeting minutes held on 17.04.2021 |
| 3 | To frame the syllabus of common courses like Mathematics, Physics and Chemistry with respect to the requirements of the branch. | Implemented in curriculum of R2022. | 2022 | Engineering Physics (common to AE, CE & ME) was incorporated in the I semester curriculum of R2022. **Reference**: BoS meeting minutes held on 18.09.2021 |
| 4 | Recommended to include theory cum practical courses wherever possible. | To be implemented one course in a semester in R2022 | - | Discussions was made in Board of Studies meeting and decided to introduce theory cum practical courses. **Reference**: BoS meeting minutes held on 17.04.2021. |
| 5 | Few courses to be included in the curriculum keeping in view of the Industry requirements and the same to be offered in collaboration with the leading industries in that specific area. | To be implemented in R2022 | - | Discussions was made in Board of Studies meeting and decided to introduce specific courses to fulfill industry requirements. **Reference**: BoS meeting minutes held on 17.04.2021. |

| S. No. | Action to be taken | Action taken | Year | Proof |
|---|---|---|---|---|
| 6 | Few courses to be included in the curriculum in niche areas like Autonomous Electric and Connected vehicles | To be implemented in R2022 | - | Discussions was made in Board of Studies meeting and decided to introduce courses in niche areas. **Reference**: BoS meeting minutes held on 17.04.2021 |
| 7 | By introducing certain elective courses to give exposure to the software tools currently used by the companies engaged in the Automobile and Mechanical Engineering projects. | To be implemented in R2022 | - | The feedback given by the stakeholders will be included in Regulation 2022. The points will be discussed by the Board of Studies members of Faculty of Mechanical and Automobile Engineering in detail and necessary steps will be taken to include in R2022. |

27/09/2021

HoD/AUT

Dr.J.VENKATESAN, M.E.,Ph.D.
Professor & Head
Department of Automobile Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Taluk-602 117
Tamil Nadu, India