SRI VENKATESWARA COLLEGE OF ENGINEERING
(An Autonomous Institution – Affiliated to Anna University, Chennai)
Pennalur, Sriperumbudur (Tk) 602117
DEPARTMENT OF MECHANICAL ENGINEERING

Report on Analysis of Stakeholders Feedback (AY 2022-23)

Stakeholders serve as major contributors to the planning, implementation and development of programs and courses offered by an educational institution. Sri Venkateswara College of Engineering (SVCE) has a well-structured connection with the stakeholders and attention will be paid to their feedback. The Department of Mechanical Engineering established a strong relation with their stakeholders and their valuable input was implemented during the curriculum design. Even though the stakeholders are exceedingly pleased with the curriculum and syllabi under Regulation 2018, feedback provided by them indicates that the curriculum needs to be fine-tuned in a few areas, which are covered in more detail in the report.

The curriculum was revised in 2022 as part of a continuous attempt to strengthen the program. The revised curriculum placed more emphasis on subjects such as robotics, artificial intelligence, 3D printing, factory automation, electric vehicles, and Python programming.

Report on Analysis of Student Feedback (AY 2022-23)

S. No.	Attributes	Remarks	Reference
1.	Course is relevant to the current industry needs.	Excellent	Analysis of Student feedback from AY2022-23
2-6	Fulfillment of Course Outcomes	Excellent	
7	Course enhanced my ability to formulate, analyze and solve problems	Excellent	
8	Course imparted sufficient technical skills which will help in placement and higher studies	Excellent	
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	

Action to be taken

S.No	Action	Period
1	Redesigning the curriculum to incorporate more multidisciplinary courses.	From AY 2023-24
2	Modern technology and practices should be included in the curriculum.	
3	Include different vertical courses that can lead students in obtaining honors and minor degrees.	

In order to improve students' multidisciplinary skills, open elective courses offered by faculty members other than the Mechanical Engineering department are offered. The department constantly monitors industry trends and takes appropriate action to equip students to meet the challenges. Students must be able to adapt to the technological developments in the industry.

Report on Analysis of Faculty Feedback (AY 2022-23)

S.No	Attributes	Remarks	Reference
1.	Is the course relevant for the program?	Excellent	Analysis of Student feedback from AY2022-23
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	
5.	How is the scope for the use of modern / ICT tools and for improved learning?	Excellent	
6.	Are appropriate textbooks and reference books quoted and are available in the library?	Excellent	
7.	How well is the course evaluation scheme designed?	Very good	
8.	Does the course content enable Participatory Learning?	Excellent	
9.	Is the course duration adequate?	Very good	
10.	Overall satisfaction	Excellent	

Action to be taken

S.No	Action	Period
1	Include different vertical courses that can lead students in obtaining honors and minor degrees.	From AY 2023-24
2	Integrated theory and laboratory courses should be introduced.	From AY 2023-24

Throughout the teaching and learning process, the mechanical engineering department faculty members demonstrate their creative approaches and ideas. In the previous academic years, more teaching and learning resources were added to enhance students' interactive learning. In order to make the learning process for the students demanding, it was intended to reach the course outcomes by concentrating on problems at higher RBT levels. A variety of platforms were used to facilitate online instruction. Responses from the faculty indicate to the courses' ideal curricular relevance. According to the faculty feedback, certain design-based courses include group tasks or mini-projects in order to facilitate student participation and ensure participatory learning.

Report on Analysis of Alumni Feedback (AY 2022-23)

S.No	Attributes	Remarks	Reference
1.	Courses were relevant for the program and met the current industry needs	Excellent	Analysis of Student feedback from AY2022-23
2.	Knowledge provided by the courses were useful to the professional practice	Excellent	
3.	The courses enhance the employability potential	Excellent	
4.	Appropriate textbooks and reference books were quoted and were available in the library	Very Good	
5.	Courses enabled me to relate theory to practice	Excellent	
6.	The courses enabled critical thinking and problem-solving skills	Very Good	
7.	The courses provided an opportunity to enhance communication and interpersonal skills	Very Good	
8.	Curriculum and courses inspired lifelong learning	Excellent	
9.	Rate the evaluation schemes adopted.	Very Good	
10.	Overall Satisfaction of the Program	Very Good	

Action to be taken

S.No	Action	Period
1	The courses should intended to enhance students' applied skills and increase their employability.	From AY 2023-24
2	Recommended adding appropriate online courses through SWAYAM	
3	Redesigning the curriculum to incorporate more multidisciplinary courses.	

According to feedback from alumni, their core program's integration of multidisciplinary courses about contemporary trends and technology helps students to meet the requirements. Additionally, it demonstrates how the curriculum's theory cum laboratory courses help students apply their knowledge to real-world situations.

Report on Analysis of Employer Feedback (AY 2022-23)

S.No	Attributes	Remarks	Reference
1.	The curriculum addresses the Industries' current needs	Very good	Analysis of Student feedback from AY2022-23
2.	The curriculum is oriented towards the Organization's Vision & Mission	Very good	
3.	The curriculum can serve the Society's requirements	Excellent	
4.	The Curriculum and Syllabus have imparted useful knowledge needed for professional practice	Very good	
5.	The curriculum has provided the competency to relate theory to practice	Very good	
6.	Projects emphasize team building and teamwork.	Very good	
7.	The co-curricular activities have enhanced organizing and interpersonal skills.	Very good	
8.	The curriculum has instilled Professional Ethics in the students	Very good	
9.	The curriculum has stimulated continuous learning.	Very good	
10.	Overall Satisfaction on the Curriculum and Syllabus	Very good	

Action to be taken

S.No	Action	Period
1	Modern technology and practices should be included in the curriculum.	From AY 2023-24
2	The courses should intended to enhance students' applied skills and increase their employability.	
3	To make the students to concentrate on learning about their particular areas of interest.	

The employers of the mechanical engineering department were pleased with the new courses and skill development initiatives the department included to its curriculum. The department has made a commitment to equipping students with both technical skills and social responsibility. As part of this commitment, courses that emphasize social awareness have been added to the curriculum. Employers valued the students' interpersonal abilities and capacity for team leadership. It was implied that our students need more skill development classes, and this will be addressed promptly.

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HoD/MEC

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