

# Sri Venkateswara College of Engineering

Autonomous Institution, Affiliated to Anna University, Chennai.

Approved by the A.I.C.T.E Accredited by NAAC

Post Bag No.1, Pennalur, Sriperumbudur Tk. 602117 India.

Phone : 91-44-27152000(20 lines)

: 27163783 / 27163784 / 27107016

Fax : 91-4427162462 / 27162494

Email : acm@svce.ac.in URL : <https://www.svce.ac.in>



19/04/2021

## Department of Mechanical Engineering

### Report on Analysis of Stakeholders Feedback (AY 2018-19 To AY 2020-21)

Stakeholders are major strength in planning, execution and development of programs and courses offered by an educational institution. Sri Venkateswara College of Engineering (SVCE) has a well-structured relation with the stake holders and attention will be paid on their feedback. Department of Mechanical Engineering established a strong relation with their stakeholders and their valuable input was implemented during the curriculum design.

### Report on Analysis of Student Feedback (AY 2018-19 To AY 2020-21)

S. No.	Attributes	Remarks	Reference
1.	Course is relevant to the current industry needs.	Excellent.	Analysis of Student feedback from AY2018-19 & AY2020-21
2	Fulfillment of Course Outcomes	Excellent.	
3	Course enhanced my ability to formulate, analyze and solve problems	Excellent.	
4	Course imparted sufficient technical skills which will help in placement and higher studies	Very good Need employability program to improve their skills	
5	Appropriate textbooks and reference books were quoted and were available in the library	Excellent.	
6	Continuous Assessments (Test, Assignment, MCQ, etc) are relevant to the COs and are effective	Excellent.	

As a continuous improvement in the program offered by the department of mechanical engineering, curriculum was revised during 2018 courses focusing on thrust areas like Hybrid vehicles, 3 D printing and Artificial intelligence were introduced to meet the industry requirements. To enhance the students interdisciplinary skill, they must undergo courses offered by faculty other than faculty of Mechanical Engineering as an open electives. As an employability enhancement program, soft skill development programs were organized for the students during their prefinal year of study to improve their skills.

Students must be capable to meet the technological changes in the industry and the department is continuously monitoring the trends of industry and appropriate action will be initiated to prepare the students to meet the challenges.

**Action to be taken**

S.No	Action	Period
1	Introduction of additional programming languages	New curriculum during 2022
2	Introduction of mechanical related software	
3	Alumnus will be involved to enhance the placement opportunities	From AY 2021-22

**Report on Analysis of Faculty Feedback (AY 2018-19 To AY 2020-21)**

S.No	Attributes	Remarks	Reference
1.	Is the course relevant for the program?	Excellent.	Analysis of Student feedback from AY2018-19 & AY2020-21
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. May employ Additional ICT tools	
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?	Excellent	
9.	Is the course duration adequate?	Excellent.	
10.	Overall satisfaction	Excellent.	

Faculty of department of mechanical engineering exhibits their innovative methods and ideas during their teaching learning process. Additional learning and assessment tools were introduced during the past academic years to improve the students participatory learning. It was planned to access the course outcomes by focusing on problems at higher RBT level to make the students learning process challenging one. Various platforms were employed for online mode of teaching.

**Action to be taken**

S.No	Action	Period
1	Possibility of introducing additional ICT tools for teaching learning process	From AY 2022-23



**Report on Analysis of Alumni Feedback (AY 2018-19 To AY 2020-21)**

S.No	Attributes	Remarks	Reference
1.	Courses were relevant for the program and met the current industry needs	Very Good. Modification of Curriculum focussing on thrust areas	Analysis of Student feedback from AY2018-19 & AY2020-21
2.	Knowledge provided by the courses were useful to the professional practice	Very Good. Focus on skill development courses	
3.	The courses enhance the employability potential	Very Good.	
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	Very Good.	
6.	The courses enabled critical thinking and problem-solving skills	Very Good. Needs Enhanced participatory learning	
7.	The courses provided an opportunity to enhance communication and interpersonal skills	Very Good	
8.	Curriculum and courses inspired lifelong learning	Very Good	
9.	Rate the evaluation schemes adopted.	Very Good	
10.	Overall Satisfaction of the Program	Very Good	

Department of Mechanical Engineering devoted to prepare their students to be unique in their working environment. Employability of the students were increased by introducing interdisciplinary courses, managerial courses handled by industry experts, value added courses in various specializations and skill development programs in their curriculum. As the industry environment is continuously changing with new technologies and regulations, it was real challenge for the department to prepare the students as required by the industry. Alumni feedback was well acknowledged by the department and additional programs will be initiated to enhance the placement opportunities of the students.

**Action to be taken**

S.No	Action	Period
1	Introduction of industry case studies in curriculum	New curriculum during 2022
2	Curriculum focusing on industry requirements	
3	Introduction of additional skill development programs	
4	Introduction of additional courses on thrust areas	
5	Enhanced involvement of alumni	From AY 2021-22
6	Organize additional employability programs	

**Report on Analysis of Employer Feedback (AY 2018-19 To AY 2020-21)**

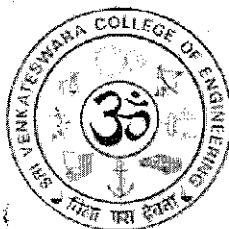
S. No	Attributes	Remarks	Reference
1.	The curriculum addresses the Industries current needs	Excellent	Analysis of Student feedback from AY2018-19 & AY2020-21
2.	The curriculum is oriented towards the Organization's Vision & Mission	Very good. Courses leading to research activities and societal needs can be suggested	
3.	The curriculum can serve the Society's requirements	Very good	
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	Excellent. Enhancing skill oriented Courses	
6.	Projects emphasize team building and teamwork.	Excellent	
7.	The co-curricular activities have enhanced organizing and interpersonal skills.	Excellent	
8.	The curriculum has instilled Professional Ethics in the students	Excellent	
9.	The curriculum has stimulated continuous learning.	Excellent	
10.	Overall Satisfaction on the Curriculum and Syllabus	Excellent	

Department of mechanical engineering have introduced new courses and skill development programs in their curriculum and the same was well received from the employers of the department. Department is committed to prepare the students with technical skills as well as social responsibility and courses focusing on social awareness also introduced in the curriculum. Interpersonal skills and team leading capability of the students were well appreciated by our employers. It was inferred that additional skill development courses are required for our students and the same will be given immediate attention.

S.No	Action	Period
1	Awareness on social responsibility	New curriculum during 2022
2	Need of Additional skill development courses	
3	Increase the internship duration	

*Ramesh*  
19/4/21  
HOD/ME

Dr. S. RAMESH BABU, M.E., Ph.D.  
Professor & Head  
Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur (TK) - 602117  
Tamilnadu, INDIA



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## Department of Mechanical Engineering

### Action Taken and Relevant Proofs during Implementation of R2022

16.11.2021

S. No	Action to be taken	Action taken	Year	Proof
1	Introduction of additional programming languages	Discussed in the IQAC stakeholders meeting & BOS meeting and will be implemented during the next revision of curriculum and syllabus	2022	1.Action taken report on the Minutes of the IQAC Stakeholders Meeting held On 29th April 2021 2.Minutes of 12 <sup>th</sup> BOS meeting held on 17.04.2021
2	Introduction of mechanical related software			
3	Alumnus will be involved to enhance the placement opportunities	Discussed in the IQAC stakeholders meeting and implemented from the academic year 2021-22	2021	Action taken report on the Minutes of the IQAC Stakeholders Meeting held On 29th April 2021
4	Possibility of introducing additional ICT tools for teaching learning process	Implemented. New tools have been adopted by the faculty members of the department to evaluate the courses of B.E Mechanical Engineering programme	2020	<b>Reference:</b> Course delivery plan and course assessment methods for the course.
5	Curriculum focusing on industry requirements	Discussed in the IQAC stakeholders meeting & BOS meeting and will be implemented during the next revision of curriculum and syllabus	2022	1.Action taken report on the Minutes of the IQAC Stakeholders Meeting held On 29th April 2021 2.Minutes of 12 <sup>th</sup> BOS meeting held on 17.04.2021
6	Awareness on social responsibility	Already implemented. All students shall enroll, on admission, in any one of the personality and character development programmes (NCC/NSS/NSO/YRC) and undergo training for about 80 hours.	2018	<b>Reference:</b> 4.2 of 2018 Regulations. Page no 4
7	Introduction of industry case studies in curriculum	Discussed in the IQAC stakeholders meeting and will be implemented during the next revision of curriculum and syllabus	2022	Action taken report on the Minutes of the IQAC Stakeholders Meeting held On 29th April 2021
8	Introduction of additional courses on thrust areas			
9	Need of Additional skill development courses			
10	Increase the internship duration			

Dr. S. RAMESH BABU, M.E., Ph.D.,  
 Professor & Head  
 Department of Mechanical Engineering  
 Sri Venkateswara College of Engineering  
 Pennalur, Sriperumbudur (Tk.) - 602 117.  
 Tamilnadu, INDIA.