

# Sri Venkateswara College of Engineering

Autonomous Institution, Affiliated to Anna University, Chennai.

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

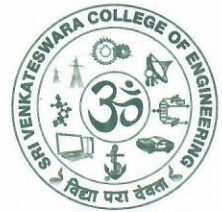
Post Bag No. 1, Pennalur, Sriperumbudur Tk. 602117 India.

Phone : 91-44-27152000 (20 Lines)

: 27163783/27163784/27107016

Fax : 91-44-27162462 / 27162494

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



## Faculty of Marine Engineering Feedback Report (2016-17 and 2017-18)

Date: 10.04.2018

Being a unique course (structured training program) and it is mandatory to comply with the International Maritime Organization (IMO) recommended syllabus and guidelines. Major changes by the intentional body were carried out in 2010 and implemented by all the maritime nations in the year 2013. Curriculum and Syllabi of Regulation 2016 for the B.E. Marine Engineering degree program were revised based on the input from all the stakeholders. Competencies required for the Marine Engineering Graduates are clearly stipulated by the International Maritime Organization (IMO) in the STCW convention (Standards of Training, Certification, and Watch-keeping) and amended regularly and implemented by the Directorate General of Shipping (DGS), Government of India. Over and above these competency requirements, various subjects were included in the curriculum at appropriate semesters.

### Student Feedback (2016-2018)

A five-point measurement scale was used in the questioner where Excellent is scored as 5, Very Good 4, Good 3, Need to improve 2, and Poor 1.

S.No.	Attributes	Average Score on 5 point Scale	Reference
1.	The course is relevant to the current industry needs.	Excellent	Feedback Analysis pertaining to the years 2016-17 and 2017-18.
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	

Based on the above Table and the Chart it is evident that on all parameters the mean of student's responses have been above 4 or near to 5, which means that they are satisfied with curriculum aspects. The highest mean score was for (i) Appropriate textbooks and reference books were quoted and were available in the library (ii) Course is relevant to the current industry needs (iii) Continuous Assessments (Test, Assignment, MCQ, etc) are relevant to the COs and are effective. The lowest mean was for Course enhanced my ability to formulate, analyze and solve problems and the Course imparted sufficient technical skills which will help in placement and higher studies. The report was forwarded to the concerned committees for further discussions and deliberations.

# 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 : 91-44-27162462 / 27162494

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



## Faculty Feedback (2016-2018)

A five-point measurement scale was used in the questioner where Excellent is scored as 5, Very Good 4, Good 3, Need to improve 2, and Poor 1.

S.No	Attributes	Average Score on 5 point scale	Reference
1.	Is the course relevant to the program?	Excellent	Feedback Analysis pertaining to the years 2016-17 and 2017-18
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?	Very Good	
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	

Based on the above Table and the Chart it is evident that on all parameters the mean of faculty members' responses have been near to 5 except the scope for use of modern/ICT tools for improved learning. which means that they are fully satisfied with the curriculum aspects. But the faculty members were fully satisfied with the curriculum. The highest mean score was for (i) the course outcomes well defined and clear to the teachers and the students. All the parameters have a mean score nearing 5, which means the faculty are satisfied with the curriculum implementation. The scores can be also enhanced through constant effort on the overall aspect of courses. The report was forwarded to the concerned committees for further discussions and deliberations.

## Alumni Feedback (2016-2018)

A five-point measurement scale was used in the questioner where Excellent is scored as 5, Very Good 4, Good 3, Need to improve 2 and Poor 1.

S.No	Attributes	Average Score on 5 point scale	Reference
1.	Courses were relevant for the program and met the current industry needs	Excellent	Feedback Analysis pertaining to the years 2016-17 and 2017-18
2.	The 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	Excellent	
5.	Courses enabled me to relate theory to practice	Excellent	
6.	The courses enabled critical thinking and problem-solving skills	Excellent	
7.	The courses provided an opportunity to enhance communication and interpersonal skills	Excellent	
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	

# 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 : 91-44-27162462 / 27162494

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



Based on the above Table and the Chart it is evident that on all parameters the mean of alumni responses have been near to 4 or more than 4, which means that they are satisfied with the curriculum aspects. The highest mean score was for (i) Courses that were relevant for the program and met the current industry needs and (ii) Knowledge provided by the courses was useful to the professional practice. All the parameters have a mean score nearing 4, which means the alumni were satisfied with the curriculum implementation. The report was forwarded to the concerned committees for further discussions and deliberations.

## Employer Feedback (2016-2018)

A five-point measurement scale was used in the questioner where Excellent is scored as 5, Very Good 4, Good 3, Need to improve 2, and Poor 1.

S.No	Attributes	Average Score on 5 point Scale	Reference
1.	The curriculum addresses the Industries' current needs	Very Good	Feedback Analysis pertaining to the years 2016-17 and 2017-18
2.	The curriculum is oriented towards the Organization's Vision & Mission	Excellent	
3.	The curriculum can serve the Society's requirements	Excellent	
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	
6.	Projects emphasize team building and teamwork.	Excellent	
7.	The co-curricular activities have enhanced my 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	

Based on the above Table and the Chart it is evident that on all parameters the mean of employer responses have been near to 5, which means that they are satisfied with the curriculum aspects. The highest mean score was for (i) The curriculum is oriented towards the Organization's Vision & Mission. and (ii) The co-curricular activities have enhanced organizing and interpersonal skills (iii) The curriculum has instilled Professional Ethics in the students and (iv) The curriculum has stimulated continuous learning. All the parameters have a mean score nearing to 5, which means the employers are satisfied with the curriculum implementation. The scores can be also enhanced through constant effort on the overall aspect of courses. The report is transferred to the IQAC for further discussions and deliberations.

# 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 : 91-44-27162462 / 27162494

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



Based on the Overall feedback, the Elective subjects, Professions elective subjects, Management elective subjects will be included in separate buckets. Students will have an option to select the subject of their choice from the list of subjects given under each category. The curriculum will cover all the core disciplinary areas of Marine Engineering, which includes Marine Diesel Engines, Marine Auxiliary Machinery, Marine Boilers, and Steam Engines, Naval Architecture and Ship Construction, Marine Refrigeration, and Air conditioning, Marine Machinery system and Marine Machinery Design and Marine Electrical Technology. It also covers interdisciplinary subjects like Mechanical Engineering, Computer Engineering, and Manufacturing Technology. The program also includes elective courses covering important areas such as finite-element techniques, maritime economics, ships safety, environmental protection, personnel care, and special duty vessels. In addition to these students also undergo mandatory six months afloat training at Cochin Shipyard Limited, Kochi, and gain rich practical training and exposure to the shipping industry.

## Action to be taken:

1. To implement Choice Based Credit System (CBCS) instead of an Elective system.
2. Some of the syllabi of the subjects need to be changed in line with the Marine Industry requirements
3. To introduce a new method of assessment like an open book test for at least one subject per semester.
4. To introduce a common subject called the concept of design to improve students' innovation and thinking ability.
5. To introduce new Professional electives like Marine Management Science, Environmental Air Quality, and offshore technology in the R2018 Curriculum.

  
Prof S. Krishnan 10/4/2018

HoD-Marine Engineering

**S. KRISHNAN**

Professor and Head

Department of Marine Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Irungattukottai(PO)-602117  
Sriperumbudur(Tk), Tamil Nadu, India



# Sri Venkateswara College of Engineering

(An Autonomous institution affiliated to Anna University)

Pennalur, Sriperumbudur (Tk) 602117

21.04.2021

## Department of Marine Engineering

### Action Taken and Relevant Proofs during Implementation of R2018

S. No.	Action to be taken	Action taken	Year	Proof
1	To implement Choice Based Credit System (CBCS) instead of an Elective system.	Choice Based Credit System (CBCS) instead of an Elective system has been introduced	2018	MINUTES OF ACADEMIC COUNCIL MEETING Ref. No: AC MIN/2017-18/05 Dated: 06.03.2018
2	Some of the syllabus of the subjects need to be changed in line with the Marine Industry requirements	The course content of some of the Marine Engineering core subjects which impart skill and scope for getting employability are modified in line with the change in requirements of the Marine Industries	2019 and 2020	BoS meetings minutes held on 02.02.2019 and 30.08.2019
3	To introduce a new method of assessment like an open book test for at least one subject per semester.	The same was proposed in the academic council meeting. During the pandemic time, the same was implemented for both CAT and End semester examinations	2020 and 2021	Academic Council Circular Resolution number CR 1/31.08.2020 Dated 31.08.2020
4	To introduce a common subject called the concept of design to improve students' innovation and thinking ability.	The subject was introduced as a common subject in the name of Design Thinking and Prototyping Laboratory.	2020	MINUTES OF ACADEMIC COUNCIL MEETING Ref. No: AC MIN/2018-19/10 Dated: 14.03.2020
5	To introduce new Professional electives like Marine Management Science, Environmental Air Quality, and offshore technology in the R2018 Curriculum.	The new Professional electives like Marine Management Science, Environmental Air Quality, and offshore technology are introduced in the R2018 Curriculum.	2019	Marine Engineering BoS meeting minutes held on 06.02.2018

  
Prof S Krishnan 21/4/20

HoD-Marine Engineering

**S. KRISHNAN**  
Professor and Head

Department of Marine Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Irungattukottai (PO)-602117  
Sriperumbudur (Tk), Tamil Nadu.