



6th National Competition on Student Autonomous underwater Vehicle SAVe 2019

National Institute of Ocean Technology in association with IEEE-OES, Marine Technology Society (MTS) and Ocean Society of India (OSI) have been organizing a national level competition for students pursuing engineering degree to visualize and design an autonomous underwater vehicle. The conceptual basis for Student Autonomous underwater Vehicle (SAVe) is a highly mobile Autonomous Underwater Vehicle (AUV) to be built based on the engineering principles. This is a unique innovative opportunity is given to Indian students to design and develop AUV, which has been undertaken successfully. This is to motivate the students to initiate the start-ups in marine field in India. This innovative initiative was launched in 2011 and so far, NIOT received 299 registrations and 169 teams had submitted their Preliminary Design Reports (PDR) and 80 teams made oral presentation of Conceptual Design Reports (CDR) to improve their skills; 40 teams participated in the final competition. The success of this competition is based, in part, on the fact that India has eighteen AUVs having different configurations from different Colleges. NIOT has been sponsoring the Indian team to participate in the international AUVSI Competition in San Diego, USA.

The 6th National Competition on Student Autonomous underwater Vehicle SAvE 2019 was announced on 23rd February 2018 by The Secretary, MoES. Out of 22 teams registered, 15 teams were selected in the Conceptual Design level. 11 teams participated in the final phase of 6th National Competition held at the Swimming Pool of IIT Madras during 23-24 January 2019.

Dr. Venkatesan welcomed the Chairman, members and student teams for the final phase of National Competition on Student Autonomous underwater Vehicle SAvE 2019. He also briefed about the various stages of selection conducted. He informed that the winner of the National competition would be sponsored by NIOT through UT 15 funds, to participate in the International ROBOSUB Competition at San Diego during July 29 – Aug 4, 2019

The National Committee under the chairmanship of Prof.P.KrishnanKutty, IIT Madras interacted, reviewed and evaluated the following student teams on 23rd & 24th January 2019, at the testing facility arranged at the Swimming Pool of IIT Madras.

1. SRM Institute of Science & Technology, Chennai
2. Indian Institute of Technology Kanpur
3. Indian Institute of Technology Bombay
4. National Institute of Technology Rourkela
5. Sri Sairam Institute of Technology, Chennai
6. MIT-World Peace University, Pune
7. Zakir Hussain College of Engineering & Technology
8. Sri Sairam College of Engineering Bangalore
9. Delhi Technology University, Delhi
10. Institute of Technology Nirma University
11. Sree Narayana Gurukulam College of Engg, Cochin

The committee after detailed study on the performance of AUV of the student teams in the preliminary round, five teams qualified for round and asked to demonstrate their working models at the Swimming Pool. The following five teams demonstrated their AUV systems for various tasks in water on 24th January 2019 (afternoon):

1. Indian Institute of Technology Bombay
2. MIT-World Peace University, Pune
3. National Institute of Technology Rourkela
4. Indian Institute of Technology Kanpur
5. Zakir Hussain College of Engineering & Technology

The result was announced by Prof.T.Asokan, IIT Madras that **Indian Institute of Technology Bombay & National Institute of Technology Rourkela** are the winner of the Competition. Indian Institute of Technology Kanpur occupied the Second position and MIT-World Peace University, Pune took the Third position in the Competition.

Prof. BhaskarRamamurthi, Director IIT Madras distributed prizes and Certificates, to the winning teams and participants.



10 Student Teams with Dr.M.N.Rajeevan, Secretary, Ministry of Earth Sciences, Govt of India



Prof. Bhaskar Ramamoorthi, Director IIT Madras distributed the prizes and certificates to winning teams Indian Institute of Technology Bombay & National Institute of Technology Rourkela



