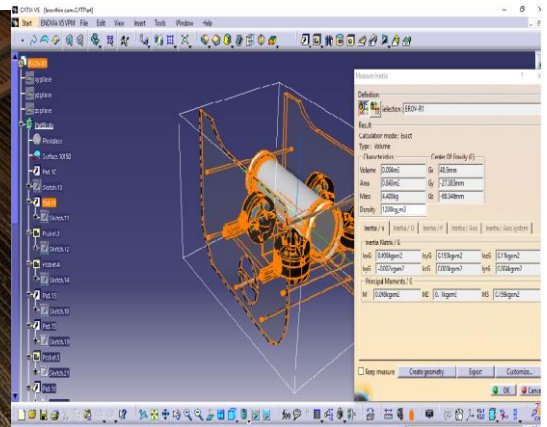


Autonomous Under Water Vehicle (AUV)

An Autonomous Underwater Vehicle (AUV) is a robot which travels underwater without requiring input from an operator. AUVs constitute part of a larger group of undersea systems known as unmanned underwater vehicles, a classification that includes non-autonomous remotely operated underwater vehicles (ROVs) – controlled and powered from the surface by an operator/pilot via an umbilical or using remote control.

The Applications :

- Intelligence, surveillance, reconnaissance
- Anti-submarine warfare
- Oceanography
- Mine countermeasures
- Inspection/identification
- Communication/navigation



Credits:

Won the **National Competition on Student Autonomous Underwater Vehicle (SAVe 2012)** conducted by NIOT on 30th April 2012 and participated in the 15th International RoboSub competition organized by Association for Unmanned Vehicle Systems International (AUVSI) and US Office of Naval Research (ONR) at the U.S. Navy's Space and Naval Warfare Systems Centre (SPAWAR) TRANSDEC Facility in **San Diego, California, USA during July 2012** under the sponsorship of INR 11Lakhs by Govt.of.India.



The Winning Team of Panimalar Institute of Technology - S Anand, R Rajesh, M Sarouj Charan

➤ Participated during Singapore Autonomous Underwater Vehicle Challenge (SAUVC) 2013,2015&2016