

Underwater Robots

Abstract: In this project, underwater robot will be developed using flexible structures, electronics, controllers, actuators and sensors. The robot will be tested for different modalities of swimming to mimic certain animals. It is also encouraged to let the robot manipulate objects in underwater environment depending on the available time. The project will involve computer aided design model of the robot incorporating all the hardware's including battery , electronics and other components that should be sealed to prevent leakage. The students will perform the design, development and characterization of the robot.