

# **Underwater vehicle for collecting chemical data from water samples in reference to water sustainability**

Project Goal: To design a prototype of an underwater vehicle for collecting chemical data from water samples in reference to water sustainability. The submersible vehicle energy source will be a solar powered battery. The initial goal is to control the vehicle via a tethered control system with the goal of converting it to an autonomous vehicle. Chemical sensors will be attached to monitor and store water quality data. The project incorporates the engineering design process and scientific method for researching environmental water quality for water sustainability.