

ABSTRACT

A Remotely Operated Vehicle (ROV) is essentially a tethered underwater robot that allows the vehicle's operator to remain in a comfortable environment while the ROV works in the hazardous environment below. ROV is very helpful for exploring the underwater. ROV is completed with camera and sensor that can detect the temperature, velocity, acceleration, depth, and pressure of water. To make the sensor data can be read by the user, we need an application to process the data of the sensor.

This final project is focused on making the monitoring application. The application will be made of Visual Basic, that furthermore, will be showing underwater streaming video and pointing out the data of temperature, velocity, acceleration, depth, and pressure of water.

Keywords: ROV, Sensor, Monitoring Application, Video Streaming.