

ABSTRACT

This Capstone project was developed at Capiz State University Pilar Campus during the second semester SY 2018-2019. The capstone general objective was to create Android Controlled Arduino RC Car for Surveillance Prototype robotic car using the Arduino specifically, this study intended to; develop an android application using MIT inventor app; analyze the accuracy of the android app to be developed; assess the effectiveness of monitoring using temperature sensor; process the data using appropriate application that to be develop; identify the main functions of the arduino hardware; provide a device that can transmit live streaming video when attached to the RC car, and to develop robotic car that will help in the operation of the Bureau of Fire Protection. This study was found to be effective and efficient by the user.