Eyes on Road

Al Ali, Ayesha
Alansari, Mira

The “eyes on road project” is a device that is used for the purpose of monitoring roads and detecting stationary objects. The project consists of three parts; detection of stationary objects, transmission of location, and a live feed. For the first part, an ultrasonic sensor is programmed to detect the presence of a static object. It does this by sending ultrasonic waves and then waiting for the echo to reflect back. This also helps in calculating the distance of the object. The second part of our project starts after the ultrasonic has been triggered. This detection is done by the sensor that triggers the GSM shield to send a signal using the GPRS network to the GPS shield, which is connected to it. The GPS shield can then verify the exact location of the object and send the location back to the GSM shield, which sends the location to headquarters as a notification message. The personals in headquarters can then again access to a live feed through a camera and analyze the severity of the situation, which is the third part of our project.