

## **ABSTRACT**

Currently there are various types of car security systems from simple to complex and intelligent technologies and are still evolving. However in spite of all the available technologies cars are being stolen stripped and sold. Thieves are getting smarter and more innovative hence they overcome the security apparatus put in place. In this project we study how the current technologies work and put into focus their respective weaknesses. We also study how GPS and mobile communication has been utilized in providing security. Through our studies and user responses about the existing systems and what they feel need to be improved; we developed a prototype named, *RobMonitor*. This prototype seeks to enhance the effectiveness and success of the existing car tracking systems by including sound and remote visual capability on car tracking systems. Our prototype, an Android based application, is an autonomous system that utilizes mobile phones SMS service to track and receive alerts in case of theft. It enhances chances of capturing a thief by enabling the owner or authorities listen to voices or sound from a remote location and can capture photos upon instruction via SMS. This system also utilizes cloud computing by enabling the owner view taken photos via *Google+* application.