

# SECURITY CAB

## **Abstract:**

Security Cab is an Automated Security Monitoring System. The main highlight of this project is Automatic Number Plate Recognition System (ANPR). ANPR is an internationally recognized methodology that is used in vehicle identification. ANPR systems allow for real time recognition of a vehicle's number plate. In most academic institutions or in Organizations, the entry and exit of each vehicle or visitors is done manually. This process of writing is tedious and time consuming and is prone to inaccurate recordings, furthermore the backup and sharing of this vehicle information is difficult because the data is hard copy.

The proposed System capture the vehicles number plate and check the number with the registered vehicles number in the database. If the system monitors the number which is not within the database, it will alert the Securities monitor. We propose the adoption of this project that has ANPR capabilities to aid in vehicle identification and vehicle registration. The application that was developed adopted an object oriented analysis and design methodology. This project implements Optical Character Recognition (OCR) using camera to detect and capture the vehicle number plate. Also this System store the visitor's complete details. The security can get the log details of any date.