

AUTOMATIC NUMBER PLATE RECOGNITION SYSTEM FOR VEHICLE ENTRY AND EXIT MANAGEMENT

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The main objective of the system is to monitor the vehicles that are entering and going out of the organization. All the vehicle must have their own unique license plate number, so the extraction of vehicles number plate plays a major role in this system. The vehicle number plate is captured by the camera which is placed in the entrance. The captured image is then processed by Automatic Number Plate Recognition (ANPR). This method is efficient way recognizing the vehicle number plate. A database is created with the vehicle number which are belongs to that particular organization. The recognized number plate is then compared with the database and checks whether the vehicle belongs to organization or is it an unknown vehicle. Then the entry and exit time of the organization vehicles are recorded. At the central receiver all the entry records are stored and if any unknown vehicle entering into the organization is detected and it is easily monitored by the central controller.

