SMART VEHICLE INFORMATION SYSTEM

(Sponsored by KSCST, Bangalore)

PROJECT REPORT

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ABSTRACT

Smart Vehicle Information System is developed to determine the legal status of vehicles. The objective is to find whether the vehicle is legal or not in the place where the system is installed. This is achieved by extracting information from number plate and retrieving details from database of transport authorities automatically. The process starts with capturing the image and extracting the text from the number plate using character recognition techniques. The number extracted is sent to the system at Road Transport Authorities and checks for the details in local data base or in distant data base. Accessing distant database is done using short message service through GSM Modules. The details regarding the vehicle is returned from the authorities back to the system at place where vehicle is found. The System is developed by using Matlab.