DAYANANDA SAGAR COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

AUTHENTICATIED ACCESS CONTROL FOR VEHICLE IGNITION SYSTEM USING FINGERPRINT TECHNOLOGY AND DRIVING LICENCE

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Abstract

- In today's world vehicle form an important asset to us, but when it comes to security of our vehicles, we are helpless. Recently in the last few years, it has been noticed that the theft of cars and the use of stolen cars in suspicious acts by robbers has been increased. The robbers use modern and new methods to do the theft of different cars. It is necessary to find serious solutions to prevent vehicles from theft.

Problem Statement

- Under current services number of issues arise i.e. when user losses the card or forget to carry their driving related documents like driving license, RC book and Insurance copy with them. Also cards like ATM card, PAN card, VOTER ID, the services will not be available. In present scenario, traditional cards accessing system accepts only on the PINCODE security system, enabling the other person rather than the owner to access the account very easily which is not fully secured whereas license by checking.

Architecture

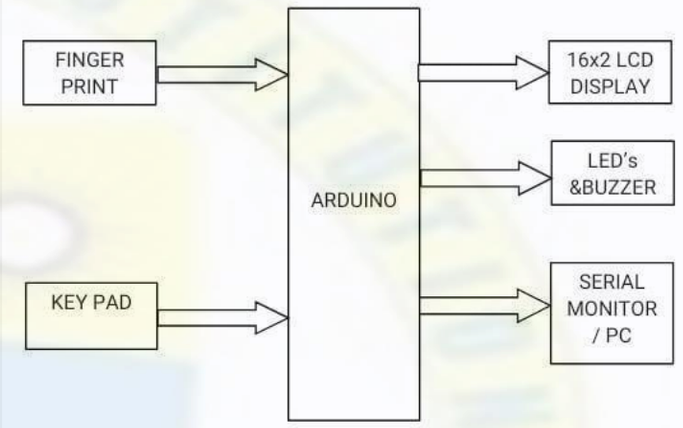

Fig. Block Diagram of Fingerprint Based licence System

Introduction

- Biometric system is mainly used to provide high security for various domains.This project mainly highlights the development of fingerprint verification.
- It is a vehicle security gadget that offers better and fancier insurance for one's vehicle

Literature Survey

Author	Segmentation	Methods Used	Features
Omidiora E. O	GPS and GSM	Fingerprint sensor module	Tracking and accident detection
Mrs.shubhangi mali	ARM Processor, GPS,GSM	Biometric GSM and GPS	Fast and efficient memory access
Jayanta Kumar Pany	GSM and GPS	MCU AT89S52	Vehicle security, Low cost, Compact theft control system
D.Narendar Singh	ARM9 Processor	Face recognition and GSM module	Tracking, Face recognition, Messaging service
Prashantkumar R	GPS technology, SMS	Remote key less system	Compatibility, Redundancy, Alarm
S.Sonika	GPS and GSM, RF module	Intelligent tracking system	Accident detection, Shortest path finding
K. S. Alli	GSM and GPRS	SMS, Remote access link, Vehicle sub system	Remote control, Vehicle security

Expected Outcome

- The user who is willing to ride the bike will undergo under authentication i.e Driving Licence validation and fingerprint. If these both gets verified then it is able to start the ignition or the message will be sent to the owner of the vehicle. And this also contains alcohol sensor, informs the hospital if accidents occurs.

Conclusion

- This system is based on fingerprint technology and Wifi technology, cooperating with android software positioning, which contains a communication platform with remote monitoring function.