

**LICENSE AUTHENTICATION USING
FINGER PRINT**

*A project report submitted to Jawaharlal Nehru Technological University, Kakinada
in the partial fulfillment of the requirements for the award of degree of*

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

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**DEPARTMENT OF
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AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE and Permanently Affiliated to JNTU- KAKINADA, AP)

(An NBA, NAAC Accredited Institution)

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CERTIFICATE

This is to certify that the project work entitled “**LICENSE AUTHENTICATION USING FINGER PRINT**” is being submitted for the partial fulfilment of requirements for the award of Bachelor of Technology in **Electronics & Communication Engineering** is a bonafied work done by **CH. SRINIVAS (17815A0404), S. SURYA KALA (16811A0459), L. DEVI PRASAD (17815A0409), R. HAREESH (16811A0453)** under the guidance during year 2019-2020 and it has been found suitable for acceptance according to the requirements of the university.

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INTERNAL GUIDE

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EXTERNAL EXAMINER

ABSTRACT

This design work presents a proposed replacement to the current system used by the Federal Road Safety Commission (FRSC) for checking licensed/unlicensed drivers. It gives a faster and less tedious way of identifying registered and licensed road users using biometric captures.

The system employs the use of an ATmega8 microcontroller to control and process the functioning of other peripherals: the fingerprint scanner, Buzzer, RFID reader and the Liquid Crystal Display (LCD) screen connected to it to achieve its purpose.

The prototype system developed was able to displays driver's information on the LCD screen (the smart card number); the average response time of the system was also calculated to be 1.41 seconds, which is a good response time considering the system in question.

The false accept rate and false reject rate were relatively low (after a sample test with 25 individuals); at 4% and 8% respectively. Also, for its implementation, the components are readily available, relatively cheap and the system is one that can be easily adopted by the FRSC if access to their already existing database is granted.

Consequently, it is safe to say that the developed system measured up to the design expectations; it meets the aim of a proposed replacement for the present analogue and easy to beat system employed by the FRSC.