VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Affiliated to **JNTUH**, Approved by **AICTE**, Accredited by **NAAC** with **A++** Grade, **ISO 9001:2015** Certified
Kacharam, Shamshabad, Hyderabad – 501218, Telangana, India

DEPARTMENT OF FRESHMAN ENGINEERING

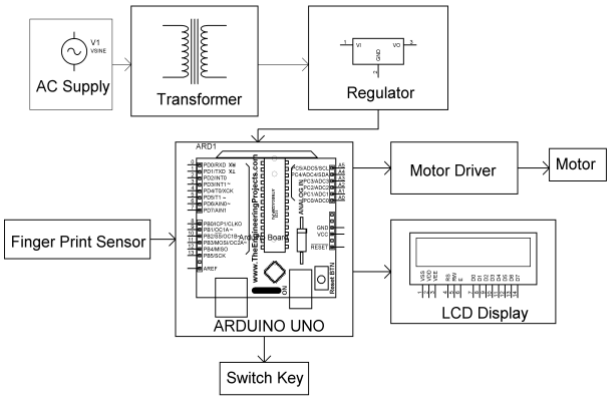
TITLE OF THE PROJECT: FINGERPRINT VEHICLE STARTER

BATCH NO: TEAM BLUE

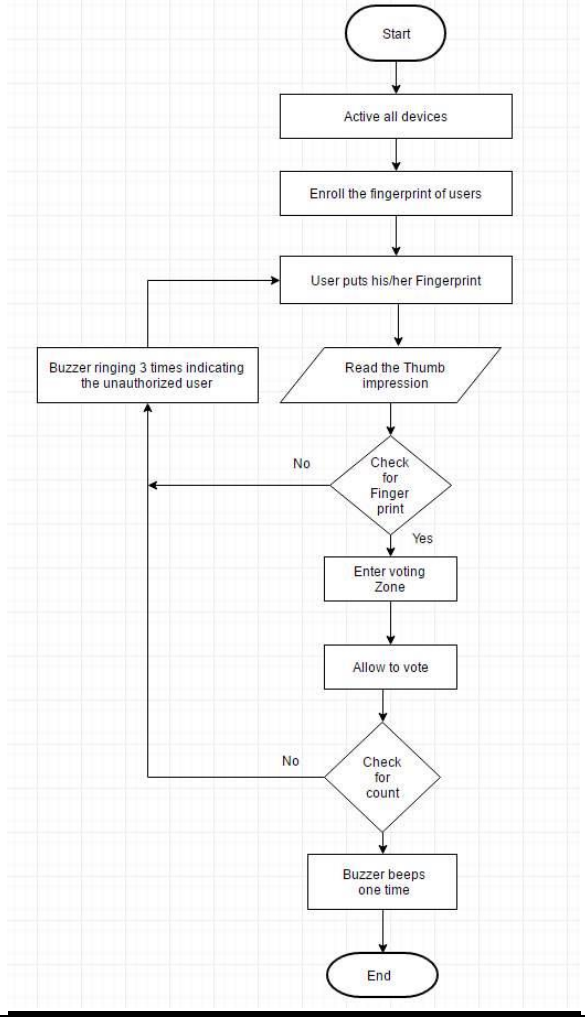
Objectives of the Project

This study focuses on biometric applications in the automotive industry. Investigations have since begun to increase safety and prevent unauthorized use of the vehicle. The main purpose of this study is to improve the starter of the engine and to develop a high safety based on the starter path. This study focuses on the design and use of fingerprint motor triggers to protect vehicles. It has been found that starting a vehicle's fingerprint engine is safer than a modern electric motor starter.

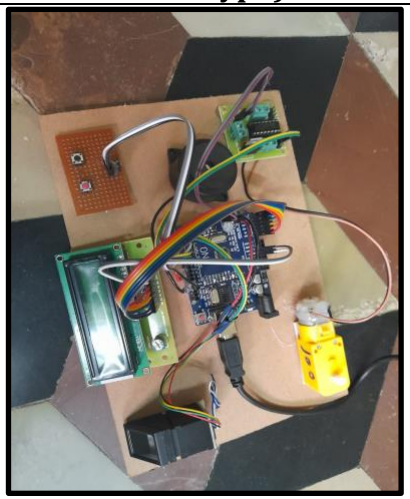
Block diagram



Flow of Execution



Project Setup (Screenshot of Final Project Prototype)



Hardware Components and Software tools

- ✓ Arduino UNO
- ✓ Fingerprint Sensor
- ✓ Alphanumeric LCD
- ✓ DC Motor
- ✓ Connecting Wires
- ✓ Buzzer

Outcomes

This system automates as well as vehicle security using fingerprint based system.

Roll number & Names of the Students:

1) 21881A04A2 - Bala Sai Charan
2) 21881A04A4 - Abdul Rahman
3) 21881A04A9 - Kamalakar
4) 21881A04B1 - Surya Chaitanya
5) 21881A04B5 - Sai Prakhyath
6) 21881A04C5 - Sindhuja

Name of the Course Instuctor(s): Dr. M Naresh Kumar