

**Amit Learning**

**Final Project:**

Smart home System.

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## Introduction :

This is a smart home project , microcontroller used was atmega32 and it was done with the help of atmel-studio software and proteus simulation App .

Down below is a picture of the system on proteus App , Flow Chart of the Project , also a demonstration of the drivers used .

## Drivers used :

### Inside MCAL :

- Dio Driver .
- Adc Driver .
- EEProm Driver .
- I2C Driver .
- Timer0 Driver .
- Timer2 Driver .

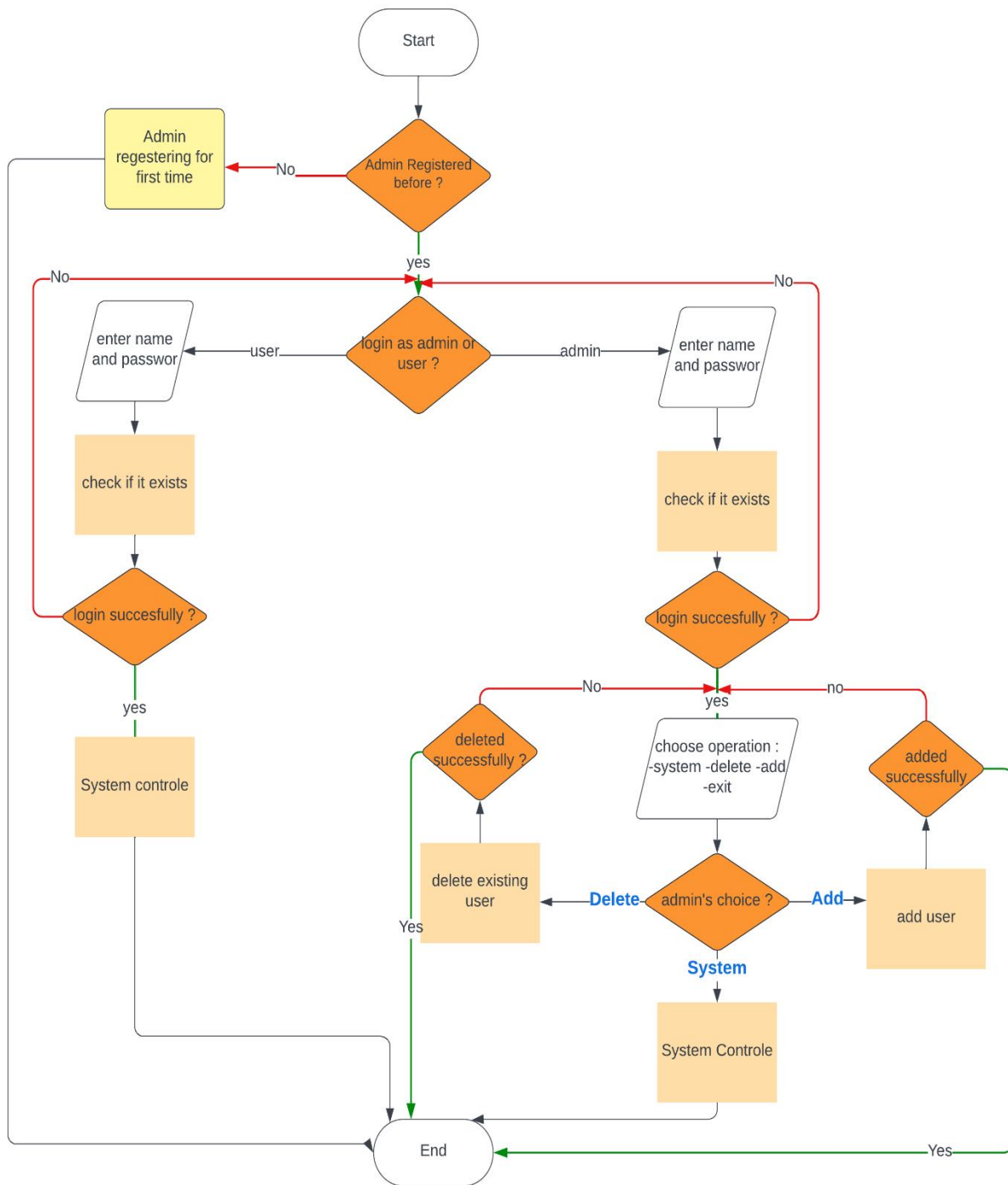
### Inside HAL :

- Buzzer Driver .
- Led Driver .
- Servo Motor Driver .
- LCD Driver .
- Keypad Driver .
- DC Motor Driver .

### Inside Service :

- STD Driver .
- BIT Math Driver .

## Flow Chart of The Project :



Picture of the system :

