Employee Auto leave Generation

The main aim of this project is to design an employee auto leave generation and also intimation system using GSM and fingerprint module.

This system works based on time. If the employee wants to leave, employee need to scan the finger print on finger print scanner. If the finger print matches with the stored finger prints this system will waits the replay message of employee whether it is leave/late. Based on the employee request system will accept and sending the replay message to the employee. If the finger print doesn't match with the stored finger prints this system will activate the buzzer for alerts. The status of the project will display on LCD module.

To make this project we are using Arduino microcontroller which is interfaced with input and output modules. GSM module is uses for sending and receiving the SMS. Wrong finger print alerts using buzzer. To push buttons are uses to stores/delete the fingerprints into the finger print scanner. To achieve this task microcontroller loaded program written in embedded C language.

Main objective of this project:

- To take the leave/intimates coming late to the office using finger print and GSM technology.
- Audible alerts using Buzzer.
- Visible alerts using LCD display.
- Using Arduino to achieve this task.

The main building blocks of the project are:

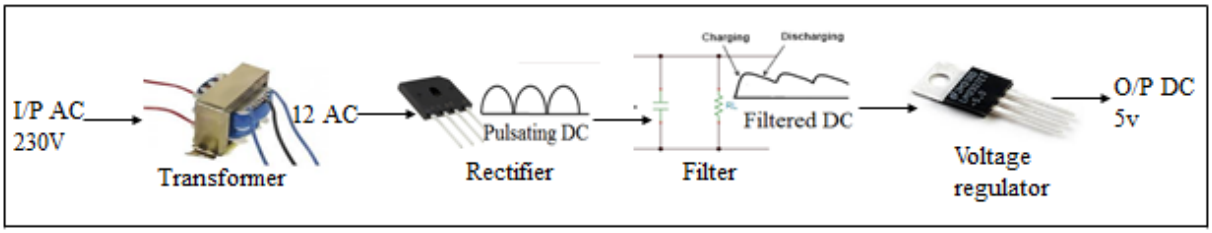
- Arduino UNO microcontroller.
- Regulated power supply.
- Finger print module.
- Two push buttons.

- Buzzer.
- LCD display.

Software's used:

1. Arduino IDE for compiling and dumping code into controller
2. Express SCH for Circuit design.

Regulated power supply:



Block diagram:

Block Diagram