**BASIC ELECTRICAL ENGINEERING – EE233P**

**CIA 3 – PROJECT**

Project Name: Home Automation System

Aim: To construct a simple house model with home automation system.

Group Members:

1. Ashvath S.P (Reg No: 2162014)
2. Hemanth Reddy (Reg No: )
3. Ashwin A (Reg No: )
4. Jenso Jose (Reg No: )

Apparatus/Materials Used:

1. Foam Board

Principle:

This project is based on simple Wiring Practices learned in lab, Programming Arduino, etc.

About:

This project is a miniature representation of an ideal home having a Home Automation System. A Home Automation System combines hardware and software via a wireless network to control your home electronics and appliances through one device which could be a smartphone, tablet, or a specific central automation control hub system. In our project, we focused on controlling the lights, fans and doors to give an idea how home automation system works. We used LEDs and Motors for lights and fan. We wanted to control the speed of the fan and intensity of light wirelessly. To achieve that, we created a website-based app that has sliders which send signals to the Arduino, which sends necessary power to the LEDs and Motors.