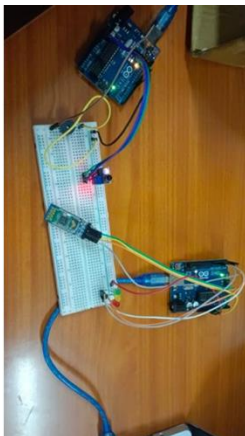## Smart Lighting

Smart lighting is a pivotal component of modern home automation systems. It allows homeowners to effortlessly control the illumination of their living spaces while optimizing energy efficiency. This project aims to design and implement a smart lighting system that offers the feature of remote control. Homeowners can control the lighting in their homes from anywhere using a smartphone or a computer. This enables them to turn lights on or off and adjust brightness levels with a simple touch, even when they are away from home.

Security Surveillance System

Home security is a paramount concern for homeowners. This project includes the development of a robust security surveillance system designed to provide a sense of safety and peace of mind. The key feature of this system will include motion detection. The surveillance system will be equipped with motion sensors that trigger recording and notifications when unusual activity is detected, enhancing security.

Components

Arduino Uno   - 2

IR Sensor   - 1

Buzzer   - 1

LED   - 3

Bluetooth HC05 – 1

Mobile application used – Crystal Aurdino (version 1.0)