



Problem Statement:

Create a smart lighting system using an Arduino Uno with ATmega328P and a controllable LED bulb. Design an algorithm to dynamically adjust the brightness and color of the LED bulb based on ambient light conditions, user preferences, or external inputs. Implement energy-saving features, such as automatic dimming during idle periods, and enable remote control through a mobile application for a seamless and customizable lighting experience.

Company name

Onnano Technologies , Karur, Tamil Nadu