



**M.KUMARASAMY**  
**COLLEGE OF ENGINEERING**

NAAC Accredited Autonomous Institution

Approved by AICTE & Affiliated to Anna University

ISO 9001:2015 Certified Institution

Thalavapalayam, Karur, Tamilnadu.



## **Problem Statement:**

Develop an Arduino Uno-based system using ATmega328P to design an energy-efficient smart lighting system with a LED bulb. Implement an algorithm to enable remote control of the LED bulb's brightness and color temperature through a user-friendly interface, such as a mobile application, ensuring seamless integration with the Arduino Uno and providing a customizable and energy-efficient lighting solution for various scenarios.

## **Company name**

Onnano Technologies , Karur, Tamil Nadu