

## **ABSTRACT**

### **CONCEPT DEVELOPMENT OF AUTOMATIC SLIDING DOOR AND LIGHT USING NODEMCU SENSOR**

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ix + 43 pages, 3 tables, 1 appendix

The rapid advancement of technology has led to the emergence of smart systems that aim to enhance convenience, energy efficiency, and safety. In this study, we present the development of an automatic door and light system utilizing a NodeMCU sensor. The system is designed to automatically control the opening and closing of doors, as well as the illumination of lights in indoor environments. To implement the system, we utilized the NodeMCU sensors onboard Wi-Fi capabilities, enabling remote control and monitoring via a dedicated mobile application. The application provides users with the ability to customize various system parameters, according to their specific requirements.

**Keywords:** NodeMCU, Automatic, Blynk

