

# **PROJECT REPORT**

## **ANALYSIS OF IOT SMART DOOR USING NAÏVE BAYES ALGORITHM**



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## ABSTRACT

*Doors are a part of every household. Their safety is often overlooked due, to our busy lives. This project delves into the design and features of a door system that utilizes Internet of Things (IoT) technologies, a RFID scanner with a few sensors for secure verification. The main issue being addressed is the lack of strong security options for doors. The goal is to create a door system that boosts security and offers access using advanced IoT elements like the Wemos D1 R2 microcontroller. When motion is detected by the integrated sensors the system activates the RFID scanner allowing users to verify their identity smoothly. It supports RFID for making it suitable for homes and businesses alike. Furthermore, the smart door can be monitored remotely to check its locking status giving users peace of mind and control, over their homes security.*

*This project aims to enhance door security by merging technology with card reading verification and a 3 sensors providing a trustworthy and user friendly solution.*

*Keywords; Wemos D1 R2, Internet of Things, RFID scanner, Smart door systems*

