IoT Based Smart Lock System Using ESP32

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Abstract: *The Internet of thing devices are interconnected physical objects that collect and share data over the internet. IoT has the potential to revolutionize many industries, including security. Traditional door lock systems have several limitations. They are often inconvenient to use, as they require users to carry keys or enter passcodes. They are also vulnerable to physical attacks, such as lockpicking or drilling. Additionally, traditional door lock systems cannot be controlled remotely, which can be a problem if a user is away from home or needs to grant access to someone else. The proposed IoT-based smart voice and keypad door lock system using ESP32 overcomes the limitations of traditional door lock systems by providing a convenient, secure, and flexible way to unlock doors*

Keywords: ESP32, IOT, SMART LOCK, HOME AUTOMATION, ACCESS CONTROL, SECURITY SYSTEM