

## WIFI BASED SECURED SMART LOCK SYSTEM

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Some of the concerns that obstructs the development of I (ot) environment are the resource constraint and heterogeneity. Different suitable applications are released as smart phones are the most favored devices universally, different independent devices are parenthetically controlled by using the mobile applications through the smart phone. In this paper by using the wireless communication we represent the design and execution of remote lock system, the system which can be managed remotely by and firm android application is the remote locking system. In the real time the users lock data can be saved and controlled in the data base by a server which is constructed and controlled by a server manager. The most important reason is to supply better security and simplicity. For safety automation system of the door lock smart phones can be integrated as the part of the ring tone sensor. DTMF (dual tone multi frequency) is used to collect polyphonic tone signal that is implanted in the smart phone system. This signal is handled by Arduino Uno, So the door will be automatically unlocked by solenoid. But this system has disadvantages like short working range of sensitivity, limited amount of password digits, low security systems. These drawbacks could be solved in this project. So the quality execution of I (ot) can be used for monitoring and controlling. Portable devices like user interface are used by home automation system. Through less power communications rules like WiFi, zigbee etc, the home automation network can be communicated by means of internet gateway. So the major goal of this project is to manage home door lock systems by using WiFi as the means through the smart phones.