 **PANIMALAR ENGINEERING COLLEGE**

**Chennai – 600 123**

**Department of Computer Science & Engineering**

**CS 8811 - Project Work (2020-2021)**

**TILE OF THE PROJECT**

DOOR AUTOMATION SYSTEM BASED ON SPEECH COMMAND PIN USING ANDROID SMARTPHONE

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**ABSTRACT**

The growth of technology make smartphone can control the home appliances. An automated device can work more flexible and efficient, including the use in unlocking door. For busy family or busy people, it is not easy to get out of the seat only to reach the door for unlocking people that already have known and made appointment before. The design of proposed method is based on Android smartphone application, Bluetooth module and Android smartphone application is used for serial communication to the Bluetooth module which is connected in controller to unlock the door. Besides it has low cost, Bluetooth based wireless home automation system can be easily implemented in the home. The suggested system is tested and it gives the expected system with more feature as authentication, either with speech command or with pin. Speech command enacted to the system is also tested the Bluetooth

connectivity.