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| Related image | PES UNIVERSITY BANGALORE-85  Department of computer science and engineering | |
| **SUBJECT TITLE**: MICROPROCESSOR AND COMPUTER ARCHITECTURE LAB CODE:UE17CS256 | | |
| **PROJECT TITLE**: PASSWORD BASED DOOR LOCK SYSTEM | | |
| **ABSTRACT:**  Security is a prime concern in our day-today life. Everyone wants to feel secure. An access control for doors forms a vital part in our security chain. Doors locked using convention allock are not as safe as they used to be, anyone can break in by breaking these locks. Password based door lock system allows only authorized persons to access restricted areas. the system is fully controlled by Arduino. the password can be entered through a keypad. "if the password is matched with the one stored in Arduino it instructs the motor driver to open the door. !he password can be changed by the user interfacing Arduino with apc and using a keypad to change the password | | **Block diagram:** |
| **PROJECT DESCRIPTION:**  Password Based Door Lock System using 8051 Microcontroller is a simple project where a secure password will act as a door unlocking system. Traditional lock systems using mechanical lock and key mechanism are being replaced by new advanced techniques of locking system. These techniques are an integration of mechanical and electronic devices and are highly intelligent. One of the prominent features of these innovative lock systems is their simplicity and high efficiency. | |