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(57) Abstract :
The present invention related to a password protected security door lock device. The password protected security door lock device comprises a door lock body, a lock cover, an input device, an ultrasonic sensor, a display unit, Arduino Uno controller, a servo motor, a small breadboard and a buzzer. The present device assigned each authorized user has a uniquely assigned password using which he or she can gain access. The smart lock has an additional feature to check the multiple entries with one password to ensure the authorized entries only. After entering the right password, a servo motor acting as the latch unlocks the door and allows up to 30 seconds for entry. Home security has always been one of the most pressing concerns of any homeowner. Smart security systems claim to provide more efficient solution for safety of our premises and family members, but they are vulnerable also because of data recording at cloud or hacking of password etc. Current solutions to this ever-growing issue are either too expensive or difficult to set up or cheap and unreliable. The said smart system for door locks which is cost effective as well as efficient enough to help tackle this issue.

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