Abstract

In today’s life, securing our confidential data as well as valuable things is a big task. The development in the field of technology must be useful to overcome security problems. The proposed system is a Face detection and Recognition system for access control. By considering two modern technologies such as IoT and Face recognition we can provide access control to the end user. The system mainly consists of features like capturing the image of a person, face detection, face recognition, that is, run the face detection and recognition algorithms on the device. If the person is recognized by the system then he can get an access to the room. This system utilises raspberry Pi camera, Raspberry Pi and a Stepper motor. If the person at the door is recognized then door will get unlocked. Otherwise the system will not allow the person to enter into the room.