Our project is an automated single room advanced security system that is designed for general public use. Our aim is to bring security for each and every personnel while keeping it reasonably priced. The security system includes multiple sensors for ensuring proper detection of intruders. To begin with, we have a magnetic sensor which will detect if a door or window has been opened while the system is on. Furthermore, we have a PIR sensor for detecting any kind of motion or movement of anyone entering the room. The PIR sensor has been added to differentiate between intruders entering the room in absence of people and general people just opening the door to check if someone is inside the room or not. When both the input from the sensors will be high, the processor will send a signal to the buzzer to start ringing and a surveillance camera will capture a photo of the intruder’s face. Simultaneously, an email will be sent to notify the owner/occupant of the room about the presence of the intruder. We will also log the time and photo in the computer for further analysis. Moreover, we will have a LCD panel to display any user configured message. This system can be useful for small office rooms, faculty or admin room in universities or school or tenants subletting their house.