**SMART DOORBELL SYSTEM (IoT)**

Security systems is one of the most researched fields in todays world. With growth in technology and increasingly busy lives of people it is common to miss out on details such as schedules confined to homes. Smart Doorbell System is one such system that contributes to home automation and makes it easy for the residents to make up for their forgetfulness.

A PIR sensor will be mounted in the door for sensing a human activity over a particular range . Then the microcontroller uses this information to ring the doorbell using a Piezo Buzzer. This is a basic doorbell now. By installing camera modules we can stream live video to the user. In addition to all this , we can also authenticate the entry of the person using an application and servo motor will facilitate the unlocking. The data will be sent to the cloud for storage and analysis. Thus it satisfies all the possible constraints for any user.

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