SMART SECURITY

SYSTEM

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*\* DOMAIN OF WORKING: ADVANCE SECURITY*

*\* SPECIFIEC: \*REDUCES HUMAN EFFORT*

*\*ENHANCE THE SECURITY*

*\* ABSTRACT:*

*THE PROJECT ENTITELED “ADVANCE SECURITY SYSTEM” HIGHLIGHTS THE MAJOR ISSUE OF SECURITY OF ANY DISCLOSED AREA ( i.e locker rooms etc) , HOMES, OFFICES etc WORKING :-*

*INSTALLED P.I.R SENSOR WILL DETECT THE MOTION OF HUMAN BODY TRYING TO ENTER THE AREA, THE SIGNAL….. ….WILL SEND TO THE ARDUINO MICROCONTROLLER ACCORDING TO CODED PROGRAM; AURDINO WILL ACTIVATE THE G.S.M MODULE ..*

*… WHICH WILL SETUP THE AUTOMATIC PHONE CALL TO THE OWNER(USER) ; FOLLOWED WITH VOICE AND TEXT MESSAGES… INSTALLED L.E.D’S WILL GET ACTIVATED*

*WITH HIGH FREQUENCY ALARM… WITH HELP OF (16\*2) DISPLAY, IT WILL PRINT THE MESSAGE :*

*““YOU ARE UNDER COVERAGE””*

*INSTALLED MINICAMERA WILL CAPTURE THE (24\*7) INFORMATION TO THAT AREA,*

*WHICH CAN BE USED AS EVIDENCE FURTHER…*

*COMPONENT REQUIRED :-*

*\*HARDWARE USED:*

* *AURDINO UNO*
* *P.I.R (PASSIVE INFRARED SENSOR)*
* *G.S.M (GLOBAL SYSTEM FOR MOBILE COMMUNICATION)*
* *MINICAMERA*
* *(16\*2) DISPLAY*
* *SIM 800A*
* *BREAD BOARD*
* *JUMPER WIRES*
* *ADAPTOR*
* *LED’S AND ALARAM*

*\*SOFTWARE USED:*

* *EMBEDDED C PROGRAMING LANGUAGE*
* *AURDINO SOFTWARE*

*APPLICATION:*

*Security is a big challenge everywhere because thefts are increasing day by day owing to the unsafe and insecure security systems in homes, commercial complexes and industries. Several conventional technologies are available to keep home properties safe from intruders, but most common smart*[*home security systems*](https://www.elprocus.com/home-automation-systems-applications/)*work on*[*wireless GSM communication*](https://www.elprocus.com/wireless-communication-project-ideas/).