(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/11/2023

(21) Application No.202341080271 A
(43) Publication Date : 22/12/2023

(54) Title of the invention : GSM BASED VOICE AND VIDEO RECORDER USING MICROCONTROLLER

(51) International classification :G08B0013196000, H04N0007180000, G07C0009000000, H04M0011040000, G08B0019000000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The aim of this project is to design and develop a home security system to identify the access to homes by burglars and other potential home intruders from remote locations. In the current scenario, security monitoring plays a vital role in homes, offices, etc. The proposed system employs an innovative design that incorporates a simple Arduino-based home security system using a GSM module and a PIR sensor. Indications of intrusion will be analyzed by the sensor. The error will be sent as an alert to the authenticated user's mobile number through SMS and a phone call. This project proposes a GSM-based voice and video recorder system implemented using a microcontroller and Raspberry Pi. The system utilizes GSM technology for remote control and communication. A microcontroller manages the recording process, while Raspberry Pi handles storage and processing. The integration of voice and video recording enhances surveillance capabilities. This abstract outline the design and functionality of the proposed system, offering a comprehensive solution for remote monitoring and recording.

No. of Pages : 11 No. of Claims : 1