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(71)Name of Applicant :
1)Kaviyaraj R
 Address of Applicant :5/249, RMK Nagar, 3rd Street, New Dharapuram Road, Palani. -----

2)PAAVAI ENGINEERING COLLEGE(Autonomous)
3)Dr. G. Balaji
4)Dr.K.K.Ramasamy
5)Dr.M.Premkumar
6)Dr.S.Rathinavel
7)Dr. C. Arul Kumar
8)Dr. S. Surendiran
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Dr. G. Balaji
 Address of Applicant :PROFESSOR/HEAD/EEE PAAVAI ENGINEERING COLLEGE -----

2)Dr.K.K.Ramasamy
 Address of Applicant :Professor & Director-Administration/ PAAVAI ENGINEERING COLLEGE -----

3)Dr.M.Premkumar
 Address of Applicant :Professor & Principal/ PAAVAI ENGINEERING COLLEGE -----

4)Dr.S.Rathinavel
 Address of Applicant :ASSO.PROFESSOR/EEE PAAVAI ENGINEERING COLLEGE -----

5)Dr. C. Arul Kumar
 Address of Applicant :ASSO.PROFESSOR/EEE PAAVAI ENGINEERING COLLEGE -----

6)Dr. S. Surendiran
 Address of Applicant :ASSO.PROFESSOR/EEE PAAVAI ENGINEERING COLLEGE -----

7)Gautham Sriram. R. S
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

8)Sanjay Kumar. P
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

9)Thiyagu. A
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

10)Chowdhry. M
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

11)Suhail Ahamed. J
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

12)Suresh Kumar. M
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

13)Pragadishwaran. S
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

14)Ranjith Kumar. S
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

15)Gokul Raj V
 Address of Applicant :STUDENT/EEE PAAVAI ENGINEERING COLLEGE -----

(57) Abstract :

The significance of home security framework can't be denied in the present crime-ridden society. Home security is getting to be noticeably important these days as the potential outcomes of interruption are expanding day by day. Protection from burglary, leaking of crude gas and fire are the most vital prerequisites of home security systems for individuals. The most common system used for such purpose is CCTV camera. However, it is expensive, uses excessive space for keeping records and furthermore expects manpower to supervise the unapproved action. In this paper, we proposed a system which is cost effective with better resolution and can detect intrusion single-handedly. Here, PIR motion sensor, along with the Raspberry Pi, is used to detect motion and once it is activated, a video is triggered via Pi camera module. IOT based applications can be used remotely to view image and get email on intrusion detection.

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