

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 51/2023
ISSUE NO. 51/2023

शुक्रवार
FRIDAY

दिनांक: 22/12/2023
DATE: 22/12/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341075688 A

(19) INDIA

(22) Date of filing of Application :06/11/2023

(43) Publication Date : 22/12/2023

(54) Title of the invention : RAPID RESPONSE FOR WOMEN SAFETY

(51) International classification :H04W0004020000, H04W0004900000, G08B0025010000,
H04W0004800000, H04W0004029000
(86) International Application :NA
No Filing Date :NA
(87) International Publication : NA
No
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date

(71)Name of Applicant :

1)Parre Hema

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

2)Malla Reddy Engineering College

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Parre Hema

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

2)Mohammed Bilal

Address of Applicant :Student, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

3)Kuchana Shravya

Address of Applicant :Student, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

4)Kodi Akshay

Address of Applicant :Student, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

5)Dhondi Panduranga

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

6)Sambari Chaitanya

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

7)R Sravanthi

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

8)M Jaganmohan Reddy

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

9)B Srinath

Address of Applicant :Assistant Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

10)Dr. Shaik Fairouz

Address of Applicant :Professor, Computer Science and Engineering(AIML) Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Maisammaguda -----

(57) Abstract :

"Rapid Response" is an innovative personal safety and security device designed to provide individuals, particularly women, with an effective means of summoning help and ensuring their well-being in emergency situations. This electronic device combines GPS and GSM technology to offer real-time location tracking and communication capabilities, making it an invaluable tool for personal safety. The device's primary function is activated by a dedicated SOS button, which, when pressed for at least three seconds, initiates a series of actions. Upon activation, the device establishes a phone call to pre-defined emergency contact numbers, allowing the user to communicate directly with their trusted contacts. Simultaneously, the device accesses GPS coordinates through an integrated GPS module, determining the user's precise location. The working process involves a series of steps that ensure a rapid response to emergencies: SOS Button Activation, Call Connection, Location Retrieval, and Location Sharing. The device's flexibility extends to the capacity to register multiple emergency contact numbers, enabling users to alert a network of trusted individuals in case of an emergency. Furthermore, it offers a remote location request feature, allowing registered contacts to initiate location retrieval even if the user is unable to press the SOS button.

No. of Pages : 11 No. of Claims : 9