(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/08/2023

(21) Application No.202311052289 A
(43) Publication Date : 01/09/2023

(54) Title of the invention : IOT SECURITY MONITOR

(51) International classification :H04L0067120000, G06F0021550000, G06N0020000000, H04L0043082900, G05B0019042000
(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

(71)**Name of Applicant :**
1)Chitkara University
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------- ----------
2)Bluest Mettle Solutions Private Limited
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)MISHRA, Rahul
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ---------- ----------
2)SINGH, Dhiraj
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ---------- ----------
3)KUMAR, Naveen
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------- ----------

(57) Abstract :
The proposed invention proposes a security monitoring system for IoT device environments to ensure the safety and protection of IoT networks and devices. It incorporates a network of sensors (112) placed strategically throughout the area to detect any irregularities or unauthorized access. The data collected by the sensors is instantly analyzed by powerful processors or processing units (114) using machine learning techniques to identify patterns and anomalies that could indicate security breaches. The system utilizes databases or storage units (116) to store the information gathered by the sensors and processed by the processors, allowing for real-time querying and analysis. Communication modules (108) enable seamless data exchange between the various components of the system, facilitating efficient coordination and integration. Administrators can monitor the security status through a user interface (110), accessing real-time dashboards, reports, and warnings, empowering them to promptly respond to security events. In case of a breach, the system takes immediate action, notifying the appropriate authorities and implementing measures to mitigate the risks.

No. of Pages : 23 No. of Claims : 10