(12) PATENT APPLICATION PUBLICATION

(22) Date of filing of Application :02/11/2022

(54) Title of the invention : IOT SYSTEM FOR MONITORING GATEWAYS USING LORA AND LORAWAN

(51) International classification (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:G06N0020000000, H04W0088160000, G06N0020200000, H04L0043080000, G06N0005000000 :NA :NA :NA :NA :NA :NA :NA	 (71)Name of Applicant : 1)Dr. V. J. CHAKRAVARTHY Address of Applicant :PRINCIPAL, ARULMIGU KAPALEESWARAR ARTS AND SCIENCE COLLEGE, S.J. AVENUE, KOLATHUR, CHENNAI - 600099
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(57) Abstract :

loT is becoming a universal technology findings its application in almost every area. In this invention a novel architecture for monitoring LoRa and LoRaWAN gateways employing another module of IoT transmitter is presented. The novelty present in this invention is the employment of IoT modules as a monitoring mechanism for gateway performance. In this system, established metrics of performance for gateways like throughput and others are monitored by an IoT embedded model. The information from the gateway passes through the IoT module and the information about the performance in terms of throughput and other metrics are transmitted to a specified server. The software is installed in that server is an ensemble machine learning trained one for identifying the discrepancies in the performance of gateways. An expert system integrated with an ensemble machine learning trained approach will enable effective identification of deviations in the performance of gateways.

No. of Pages : 7 No. of Claims : 5