

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PATENT PUBLISHED YEAR 2024-2025

S.No	Patent Appl. No.	Patent Title	Filed Date	Published Date	Inventor's
1.	202441048592 A	Machine learning based measurement of ear canal movement and of type device management	25/06/2024	05/07/2024	Mr.L.Saravanan , Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU INDIA-600048
2.	202441069789	Design and Implementation of Modified Rectangular Dual Band Antenna for ISM band applications	16/09/2024	20/09/2024	Mr.K.S.Senthil Kumar , Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
3.	202441079609 A	Hardware Efficient Low Power Booth Multiplier for Signal Processing applications	19/10/2024	23/10/2024	Mrs.S.Priya , Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
4.	202441087206 A	Intelligent Parking Solution for Sustainable Mobility Using IoT Based Sensor and LORSWAN Wireless Technology	11/11/2024	22/11/2024	Mrs.S.Mahalakshmi , Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
5.	202441091288	An Efficient Wireless Power transfer system with Metasurface for 5G Applications	23/11/2024	29/11/2024	Mr.K.S.Senthil Kumar , Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048

6.	202441089472 A	Energy Harvesting Communication Modules for IOT Devices	19/11/2024	29/11/2024	Dr R Rajeswari , Dr G Nallathambi ,Mr B Balaji, Mr G Gokul Surendra Kumar, Ms S Shobana , Dr K Rajmohan Address of Applicant: Associate Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
7.	202541043901 A	Block chain based secure communication system for IOT Device Data Integrity and Privacy	06/05/2025	30/05/2025	Mrs.S.Priya, Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
8.	202541049210 A	AI- Powered system for Detecting & Classifying plant disease using Image Processing Technique	21/05/2025	06/06/2025	Mrs.S.Priya, Address of Applicant: Assistant Professor Electrical and Electronics Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
9.	202541052387 A	AI-Powered Non-Invasive Multisensor Approach for ADHD and OCD Detection	30/05/2025	27/06/2025	Dr R Rajeswari , Address of Applicant: Associate Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
10.	202541052400 A	Accident Detection and Emergency Alert System between Vehicle to Vehicle using LORA Communication in Hill areas	30/05/2025	27/06/2025	Mrs.S.Shobana, Address of Applicant: Assistant Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.
11.	202541055331 A	Deep Learning Based Detection of Alzheimer's Disease using CNNs on MRI Scans	09/06/2025	27/06/2025	Dr R Rajeswari , Address of Applicant: Associate Professor Electronics and Communication Engineering PERI INSTITUTE OF TECHNOLOGY CHENNAI, TAMIL NADU, INDIA 600048.