

## Department of Electrical and Electronics Engineering

### PATENT DETAILS 2025- 2026

S. No.	Name of the Inventor	Patent Title	Application No & Year	Granted /Published
1.	Dr. R. Meena Devi	AI based structural health monitoring for large infrastructure projects	1235040 & 2025	Canadian Copyright
2.	Dr. Balavignesh S	Fault sensor device for detection of incipient fault in oilfilled electrical appliances	461283-001 & 2025	Indian Design Granted

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### PATENT DETAILS 2024-2025

S. No.	Name of the Inventor	Patent Title	Application No & Year	Granted /Published
1.	Dr. T. Anuradha	Innovative Approaches to the Design and Fabrication of Flexible Electronics for Wearable Devices	1227275 & 14.10.24	Canadian Copyright
2.	Dr. T. Anuradha	Innovative Approaches to the Enhancement of Photovoltaic Efficiency using Nanostructured Silicons	1228055 & 11.11.24	Canadian Copyright
3.	Dr. T. Anuradha	Integrated Solar-Tracking Equipment for Electric Vehicle Charging Station	432295-001 & 30/09/2024	Indian Design Granted
4.	Dr. T. Anuradha	Handheld Solar-Powered Water Purifier	432297-001 & 30/09/2024	Indian Design Granted
5.	Dr. T. Anuradha	Solar Tree for power generation	6338966 & 8.12.2024	UK Design Patent Granted
6.	Dr. T. Anuradha	Foldable – E- BICYCLE	412351-001 & 02.04.2024	Indian Design Granted
7.	Mr. S. Balaji Dr. T. Anuradha Ms. A. V.Suganya	Smart Grid-Based Prepaid Metering System	202541000341 & 02/01/2025	Indian Patent Published
8.	Mr. Arvin Tony	Hybrid Mobile Charging Station	202541024010 & 21/03/2025	Indian Patent Published

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9.	Dr. T. Anuradha	A System And Method For Machine Learning-Based Personalized Cancer Treatment Recommendation	202541048298 & 19.05.2025	Indian Patent Published
10.	Mr. S. Balaji Dr. T. Anuradha Ms. A. V. Suganya	Smart Battery Monitoring System for Wireless Power Transfer	202541046187 & 14/5/2025	Complete Specification filed on 14/5/2025
11.	Dr. K. Karthikeyan Dr. R. Murugan	Real-Time Stroke Monitoring and Rehabilitation System with Biofeedback and Wireless Connectivity	202541046200 & 14/5/2025	Complete Specification filed on 14/5/2025
12.	Dr. T. Anuradha Ms. Jitha Varghese	Fusion of IoT Technology with Electric Bike	202541046195 & 14/5/2025	Complete Specification filed on 14/5/2025
13.	Dr. Meena Devi Ms. Jitha Varghese Ms. M. Ramya	High-Precision ECG Amplifier Design for Clinical and Wearable Applications	202541046188 & 14/5/2025	Complete Specification filed on 14/5/2025
14.	Ms. A. V. Suganya Dr. K. Karthikeyan Mr. S. Balaji	Multi-Source Energy Bicycle for Efficient Urban Transportation	202541046189 & 14/5/2025	Complete Specification filed on 14/5/2025
15.	Dr. S. Solai Manohar	Tri Multi Mode End Effector Robotic Arm with Automatic Mode Selection	202541046201 & 14/5/2025	Complete Specification filed on 14/5/2025

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### PATENT DETAILS 2023- 2024

S. No.	Name of the Inventor	Patent Title	Application No & Year	Granted /Published
1.	Dr. T. Anuradha	Women Safety Shoe	404761-001 & 17.01.2024	Indian Design Granted
2.	Dr. R. Gayathri	Smart Railway Platform	201741023020 & 11-03-2024	Indian utility Patent Granted
3.	Dr. T. Anuradha	Machine Learning-Based Health Monitoring Wearable Device	6319898 & 25 .10. 2023	UK Design Patent Granted
4.	Dr. T. Anuradha	Wireless Charging Pad with Multiple Device Support Design number	6352310 & 27.3.2024	UK Design Patent Granted
5.	Dr. T. Anuradha	Advanced and User-Friendly Drone Controller Design	6361475 & 30.4.2024	UK Design Patent Granted
6.	Dr. T. Anuradha	Solar-Powered Engine Cooling System for Electric Cars	6366660 & 23.5.2024	UK Design Patent Granted
7.	Dr. T. Anuradha	A Wearable Device for Mental Health Monitoring and Support Design	6366998 & 24.5.2024	UK Design Patent Granted
8.	Dr. T. Anuradha	Oil Based Transformer Smart Health Monitoring System Using AI	202341072833 & 26.01.2024	Indian Patent Published

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9.	Dr. T. Anuradha	Design and Development of The Deep Fake Detection Framework– Patent Application	202441017014 A & 29.03.2024	Indian Patent Published
10.	Dr. T. Anuradha	Analysing the Impact on The Transmission Medium by Broadcast Packets	202421031598 A & 17.05.2024	Indian Patent Published
11.	Dr. T. Anuradha Mr. S. Balaji	IOT Based Car Parking and Security system	202441013653 & 26-02-2024	Indian Patent Published
12.	Dr. K. Karthikeyan	Deep Learning Based on Automated attendance Monitoring System	202441013679 & 26-02-2024	Indian Patent Published
13.	Dr. T. Anuradha Ms. Jitha Varghese Dr. B. Brindha Sakthi	Smart Agriculture system monitoring and controlling over terrace farm	202341052194 & 03-08-2023	Indian Patent Published
14.	Dr. B. Brindha Sakthi	Design And Development of Wireless Power transfer for Irrigation System	202341052189 & 03-08-2023	Indian Patent Published
15.	Dr. T. Anuradha	Neural Network Assisted Diagnosis of Electric Junction Anomalies in EVS	202441028527 & 09-03-2024	Indian Patent Published
16.	Dr. T. Anuradha	IoT Based water purifier	401672-001 & 08-12-2023	Indian Design Granted
17.	Dr. T. Anuradha	Advanced and User-Friendly Drone Controller Design number	6361475 & 29-11-2023	UK Design Patent Granted
18.	Dr. T. Anuradha	Sleek and Stylish Electric Scooter -	6338963 & 23-1-2024	UK Design Patent Granted
19.	Dr. T. Anuradha	Belt For School Children Safety	6315132 & 26-09-2023	UK Design Patent Granted

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20.	Dr. T. Anuradha	Smart Trolley with Product Tracking Device	6319898 & 19-10-2023	UK Design Patent Granted
21.	Dr. T. Anuradha	Design and Usability of Interfaces for Automated Vehicles	202341037112A & 16.06.23	Indian Patent Published
22.	Dr. T. Anuradha	Design of IoT-based Monitoring and Alarm System for Elderly People	202341032633 & 18.08.23	Indian Patent Published
23.	Dr. T. Anuradha	Functioning and Effectiveness of Specific Mobile Applications Supporting the Smart City Trend	202341044493A & 01.09 2023	Indian Patent Published
24.	Dr. T. Anuradha	Intelligent Power Distribution system with Real-Time monitoring and control for Enhanced Resilience and Efficiency	202341062365 & 06.10.23	Indian Patent Published
25.	Dr. T. Anuradha	Driving Assistance System using Machine Learning	202341056377 A & 01.12.23	Indian Patent Published
26.	Dr. T. Anuradha	A New Adaptive Routing Protocol for Internet Of Things In Mobile Ad Hoc Networks	202341083003 A & 29.12.23	Indian Patent Published