

New Horizon College of Engineering

Department of Electrical and Electronics Engineering

Patent Publication Details for the AY 2025-26

Sl. No.	Name of the Inventor	Application No.	Date of Application Submitted	Title of Patent	Published/Granted	Publication Date
1	Dr. Vinoth Kumar K	202641087078 A	16/07/2026	Design of Ai-Based Battery Management with Hot-Swappable Modular Battery Packs Using Adaptive Current Control Mechanism	Published	24/07/2026
2	Dr. Vinoth Kumar K	202641087069 A	16/07/2026	Design of Hot-Swappable Modular Battery Units Without Interrupting Power Supply Using Efficiency Improvement	Published	24/07/2026
3	Anitha.A	202641087132 A	16/07/2026	Cloud-Based Wearable AI Voice System with Smart Charging Case	Published	24/07/2026
4	Dr. Sujoy Das	202641077815 A	24/06/2026	AI and IIoT Assisted Hybrid Mycelium–Banana Fiber Composite Panels for Eco- Packaging and Insulation in Tropical Climate	Published	3/7/2026
5	Dr. Sujitha S	202541130761 A	23/12/2025	AI-Assisted Real-Time Routing Device for Ev Application	Published	2/1/2026
6	Vinod kumar M H	202641052162 A	24/04/2026	Full-Face Bike Helmet with Modular Dual-Filtration Respiratory Protection	Published	8/5/2026
7	Soumya KV	202541130799	23/12/2025	Smart Sloped Vertical Hydroponic Indoor Farming Chamber For Height -Adaptable Plant Growth	Published	2/1/2026
8	Sunil S K	202641021161 A	23/2/2026	AI-Driven Self-Sustained Plant Pot	Published	6/3/2026
9	Dr. Mohan Das R	202641020993 A	23/2/2026	A Solar-Powered Smart Bag with Rain Sensing and Automated Flap Control	Published	6/3/2026
10	Dr. Gunapriya B	Design No: 446999-001	5/2/2025	Camera -Integrated Mudguard	Granted	5/2/2026
11	Satish Kumar D	202541036697 A	15/04/2025	Ambulance Priority Traffic Management System for Emergency Response Optimization	Published	6/2/2026
12	Sangeetha C N	202541130765 A	23/12/2025	Smart Assistive Health Monitoring Framework for Neuro-Muscular Patients	Published	2/1/2026
13	Pooja Jose	202541130790 A	23/12/2025	Vision-Assisted Robotic Arm Control System for Autonomous Object Detection And Pick and Place Operations	Published	2/1/2026

14	Vinod Kumar S	202541131063 A	24/12/2025	Dynamic Energy Management System for Solar–Wind EV Charging with Integrated Vehicle-to-Home Functionality Using AHEMA Intelligence	Published	2/1/2026
15	Dr. Sujitha S	202541122431 A	5/12/2025	Design of A Smart Handlebar with Integrated Auto Finger Biometric Authentication and Rider Safety System	Published	2/1/2026
16	Dr. Agalya V	202541 122419 A	5/12/2025	System And Method for Offline Water Vending Machine with Auto Secure Prepaid Control and Smart Dispensing Mechanism	Published	2/1/2026
17	Dr. Vinoth Kumar K	202541104790A	30/10/2025	Design of Bluetooth Based Remote Voltage Monitoring for Off-Grid Battery	Published	28/11/2025
18	Dr. M Karthika	202541088542 A	17/9/2025	A Novel Control System for Adaptive MPPT Controller	Published	17/10/2025
19	Anitha.A	202541088545 A	17/9/2025	Design of Portable Fixture for Solar Powered System	Published	17/10/2025
20	Kavitha Chenna Reddy	202541088498 A	17/9/2025	Atomizer Based Toothbrush Sterilization Stand	Published	17/10/2025
21	Dr. Vinoth Kumar K	202541088341 A	17/9/2025	Design of Stable Battery System	Published	17/10/2025
22	Dr Agalya V	462636-001	17/10/2025	Top-Locking Carabiner Hook	Published	17/10/2025