

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

ECE — Patents Filed / Published / Granted From January 2026 to till now

S.No	Name of Inventor(s)	Title of the Patent	Status (Filed / Published / Granted)	Application Number	Month of Filing / Publication / Grant	Country	Patent / Grant Number
1	Dr.P. Venkata Lavanya,Dr B.Swapna Rani,Dr.P.Gayathri,Dr.M.Mahe sh,Budagam Tejasri	Smart Helmet with Accident detection, GPS Tracking and vehicle Ignition Control using Node-MCU ESP8266	Published	202641057193	15.05.2026	India	
2	Dr. P.Gayathri	Smart Helmet with Accident detection, GPS Tracking and vehicle Ignition Control using Node-MCU ESP8266	Published	202641057193	15.05.2026	India	
2	Dr. P.Gayathri	System and Method for Explainable Dermoscopic AI Using Lesion.Aware Counterfactual Image Generation for Clinical Decision Support	Published	202641058268	22.05.2026	India	
4	Dr.B.SWAPNA RANI	System and Method for Explainable Dermoscopic AI Using Lesion.Aware Counterfactual Image Generation for Clinical Decision Support	Published	202641058268	22.05.2027	India	
5	Dr.B.SWAPNA RANI	Smart Helmet with Accident detection, GPS Tracking and vehicle Ignition Control using Node-MCU ESP8266	Published	202641057193	15.05.2026	India	
6	P.Tejaswini,v.Jhansi Reddy ,B.sreshta,P.Pravallika	smart distraction control system for realtime student attention monitoring	Published	202641085141 A	17.07.2026	India	
7	Dr.P.Venkata Lavanya, Dr. Ranjith B Gowda, Dr. Anishbhai Vahora, Dr. Prathibhadevi Tapashetti, Dr. V Saidulu	Portable IoT Device Connectivity Analyzer	Filed	507242-001	26-06-2026	India	
8	J.Shireesha	IOT -Based Intelligent Autonomous Robotic System For Remote Monitoring And Adaptive Control	Published	202641077139	22-06-2026	India	
9	Nelloju Prathibha	Adaptive Federated Edge intelligence frame work for real time smart grid monitoring predective fault diagnosis and autonomus energy optimization using explainable AI	Published	202641090052	25-07-2026	India	
10	S.Anusha	IoT-Based Disaster Monitoring Device	Filed	508540-001	15-07-2026	India	
11	L. BHAVANI ANNAPURNA	AI assisted Urban Flood prediction and Drainage response system using sensor fused Hydrological state modelling	Published	202641077841 A	03-07-2026	India	
12	S Balakrishna	Smart IoT-Based Manhole Monitoring and Hazard Detection System for Underground Public Safety and Real-Time Municipal Alert Management	Published	202641085516 A	13-07-2026	India	
13	Dr.J.SUNITHA KUMARI	Magnetic controlled system for regulating hemodynamic flow in an inclined stenosed artery suspended with Fe3O4 nanoparticles	Published	202641063045	19.05.2026	India	
14	Dr.J.SUNITHA KUMARI	SMART ROBOTIC CART – THE INTELLIGENT FOLLOWER	Published	202641057972	22..05.2026	India	
15	M GNANESH GOUD,G.V.SUBBA RAO,M.CHAITANYA,	AI based smart attendance system with slot based presence verification and automated reporting using Flask and CNN model	Published	202641065571	05-06-2026	India	
16	M GNANESH GOUD	An efficient fruit identification and ripeness detection using CNN algorithm	Published	202641079273 A	03-07-2026	India	
17	T.CHANDRA KALA	AI Based Real time Video Analysis System	Filed	202641090748	03-07-2026	India	
18	K.SHILPA	AI Powered Smart Glasses for hands free learning &Real time Information Access	Published	202641077319 A	03-07-2026	India	
19	ch.swapna	AI powered Smart Glasses for hands free learning and Real time information Access	Published	202641077319 A	03-07-2026	India	
20	D Swathi	system for satellite image change detection using Multi-Temporal feature comparison	Published	202641089660	31-07-2026	India	
21	ch.krishnaveni	iot connectcity of EEG based BCI emotion recognition using ML and DL	Published	202641066671	31/06/2026	india	