

K.L.N COLLEGE OF ENGINEERING(An Autonomous Institution)

Intellectual Property Rights Cell (IPR Cell)

Academic Year-July 2024-June 2025

S. No	Application Number	Title of the Patent	KLNCE Applicant Name	Dept	Date of Filing	Current Status
1	436890-001	Forensic Data Analysing Robotic Device	Mr.S.Sathish Kumar, AP/AI&DS	AI&DS	09/11/2024	Granted 09/01/2025
2	422965-001	Solar PV Panel Integrated Electric Car	Dr.SathesshPandian D. Mrs.D.Thangamari	Mech & CSE	11/7/2024	Granted 27.11.2024
3	440018-001	Wireless IoT – Driven Crack Detection System for Enhanced Railway Track Safety	B.Ananda Sabari Raajan Dr.D.Satheesh Pandian	AI&DS Mech	10/12/2024	Granted
4	6395173	Thermal Imaging Drone	Dr.D.Satheesh Pandian, Prof/Mech	Mech	01.10.2024	Granted 08.10.2024
1.	202511039277A	Machine Learning Driven Alaysis of the Photocatalytic Behavior of Cr- doped Bismuth ferrite Nanoparticles	Dr.P.Piramanayagam, AP/Chem	Chem	23/04/2025	Published 16/05/2025
2.	202541033811	Ultraviloet-Based Currency Scanner with AI for Real-Time Counterfeit Note Detection	Mrs.S.Yoheswari AP/CSE Mr.M.Arul Selvam, AP/CSE	CSE	07/04/2025	Published 02/05/2025
3.	202541030723	Design of E Vehicles integrated with wireless technology with sensor using Artificial Intelligence	Mr.T.L.Vijayakumar, AP/Mech B.Devi, AP/Mech	Mech	29/03/2025	Published 18/04/2025
4.	202541024146	Measuring Player tendency with artificial intelligence approach through gesture recognition	Mr.T.L.Vijayakumar, AP/Mech B.Devi, AP/Mech	Mech	18/03/2025	Published 28/03/2025
5.	202541019467A	Machine Learning-Assisted Optimization of ER-DopedBifeo3 Nanoparticles for Enhance Solar-Driven Photocatalytic Activity	Dr.P.Piramanayagam, AP/Chem	Chem	04.03.2025	Published 21.03.2025
6.	202521010517	Real-Time Water Conservation System using Machine Learning for Smart Irrigation	Mrs.K.Usharani, AP/CSE	CSE	07/02/2025	Published 28/02/2025
7.	439474-001	Smart Underground Drainage Clogging Detection System with Real –Time Alerts for Rainy Seasons	Mr.B.Ananda Sabari Rajan, AP/AI&DS	AI&DS	04/12/2024	Published 28/02/2025

8.	202541007620	Advancing Teaching and Learning through machine learning hi Higher Education with the emerging need for Pedagogical Intelligence	Dr.P.Piramanayagam, AP/Chem	Chem	29/01/2025	Publication 07/02/2025
9.	202441095847	Hybrid 5G and AI- Driver Image Processing for Health Care and Smart Devices	Mrs.M.Sasikala,AP/CSE	CSE	05/12/2024	Published 13/12/2024
10.	20241075465	Machine Learning Enhanced Optimization Of Ag –Loaded Bifeo3/Cus Photocatalysts For Efficeint Antibiotic Removal	DrP Piramanayagam, AP/Chem	Chem	05/10/2024	Published Date; 06/12/2024
11.	202441091942A	Bifeo3 Nanoparticles For Water Purification Through Visible Light –Driven Photocatalysis Using A Wet Chemical Synthesis Approach	Dr.P Piramanayagam, AP/Chem	Chem	26/11/2024	Published 29/11/2024
12	6405134	Temperature controlled Food storage with Freshness Alerts	Dr.D.Satheesh Pandian,Prof/Mech	Mech	17.11.2024	Published 27.11.2024
13	202441091504A	Biomass Power Generation System and Method Coupled with Coal Burner Unit	Mr.T.L.Vijayakumar Mrs.B.Devi	Mech	24.11.2024	Published 29.11.2024
14	202441090329	Intelligent Vehicle Tyre and Fuel Status Monitoring Solution for Fleet Operations	Mr.A.Alagar, AP/CSE	CSE	21/11/2024	Published 29/11/2024
15	202441089432	IoT - Enabled Dual- ARM Robatic System for Enhanced Precision and Real-Time Monitoring in Endoscopic Cardiac Surgeries	Mrs.S.Yogeswari, AP/CSE Mr.M.Arul,AP/CSE	CSE	19/11/2024	Published 29/11/2024
16	202441077470	Design and Development of Automated attendance Management system Based on Face recognition Algorithm	Mr.B.AnandasabariRajan	AI&DS	12/10/2024	Published 25/10/2024
17	202431063254	Green Profits; The Economics Of Plastic Waste Conversion To Energy Fuels Worldwide”	Dr.S. Parthasarathy AP/EEE	EEE	22/08/2024	Published Date; 25/10/2024
18	422992-001	AI based Heart Patient Monitoring Device	Mrs.V.Abinaya	AI&DS	12/07/2024	Published 27/09/2024
19	202441065132	High- Torque Electric Engine Design For Long –Range EV Applications Electrical	Dr.S.Parthasarathy AP/EEE	EEE	29/08/2024	Published Date; 06/09/2024
20	202441058721	Development of Customized 3D Printed Foot Insole Incorporating Foot Pressure	K.L.N.College of Engineering	Mech	02/08/2024	Published 09/08/2024

		Measurement System using Arduino and FSR Sensors	Dr.P.Udhayakumar Dr.A.Hemalatha C.Anbumeenakshi Mr.S.Sabarish Mr.N.Rajkumar Ms.A.Nivethitha Mary Mr.M.S.Sanjay Kumar			
21	422966-001	Wireless 5G Antenna	Mr.B.AnandasabariRajan	AI&DS	11/07/2024	23/08/2024
22	202441050734	Hybrid Hydro- Solar Power Plant With Floating Solar Collector	Dr.S.Parthasarathy AP/EEE	EEE	02/07/2024	Published Date; 05/07/2024
23	20441049869	Predictive Analytics For Real-Time Health Assessment of EVLI -On Batteries Through Artificial Intelligence	Dr.S.Parthasarathy AP/EEE	EEE	28/06/2024	Published Date; 05/07/2024
1.	202541061769	Smart Drone system Utilizing AI for Efficient Pesticide Dispersion and Crop Surveillance	Mr.R.Jeyapandi Prathap	EEE	27.06.2025	Filing