Patent Published

2024-2025

S.No	Title of the Patent	Faculty Name	Month &Year of Publication	Is Granted? (Yes/ No)	Publication Number
1.	Blockchain Enhanced adaptive control and fault Detection in IIoT Driven smart factories	Dr.K.Murugan	01/11/2024	Yes	202441080820
2.	Novel Cnn Approach (YOLO V5) To Detect Plant Diseases And Estimation Of Nutritional Facts For Raw And Cooked Foods	Dr.J.Prasad	08/11/2024	Yes	202441084393
3.	Automated Software Debugging and Optimization In Cloud-Based Environments Using AI-Driven Code Analysis	Ms. M. Supriya	22/11/2024	Yes	202441089151
4.	Methods And Compositions For Enhancing Plant Stress Tolerance Through Genetic Modifications	Dr. K. Murugan	15/11/2024	Yes	202441086280
5.	Iot And Machine Learning-Based Fake Profile Detection On social Networking Websites	Dr. J. Prasad	21/02/2025	Yes	202511009610
6.	Smart Pill Dispenser For Chronic Diseases	Dr. V.Seethalakshmi	21/03/2025	Yes	202541020713
7.	IoT-Integrated Real-Time Consumer Engagement System for Digital Marketing Campaigns Using AI	Dr. V.Seethalakshmi	21/03/2025	Yes	202541021925
8.	Image Semantic Segmentation Using AI Algorithm In Image Processing	Dr. H.James deva Koresh	23/08/2024	Yes	202441061651
9.	Intelligent Vibration Control Mechanism for Precision Manufacturing Applications	N.Sathishkumar	07/03/2025	Yes	202541015531
10.	AI based smart water and nutrient recycling system in aerophonics for real time growth monitoring and adjustment for autonomous plant cultivation using deep learning algorithms	Dr.M.Kathirvelu	12/07/2024	Yes	202441051857

11.	Machine Learning And Iot For Predicting Electric Power And Optimising Features Based On Soil Moisture In Agriculture	Dr Muralidharan J	05/07/2024	Yes	202441048130
12.	Dynamic Federated Learning Framework for privacy-centric AI in cloud ecosystems	Mr. Shanmugaraja T	06/12/2024	Yes	202431092080
13.	Blockchain and AI-Based Secure Voting System for Real-Time Election Monitoring and Fraud Prevention	Dr. D. Venugopal	22/11/2024	Yes	202441088154
14.	Smart IoMT-Based Anomaly Detection System for Real-Time Health Monitoring	Dr.K.B. Gurumoorthy	29/11/2024	Yes	202441090366 A
15.	Implementation Of Automatic Irrigation Systems For Smart Agriculture Using Iot And Machine Learning Solutions	Dr. S. M. Ramesh	20/09/2024	Yes	202441068440
16.	Enhanced Real-Time Fraud Detection in Financial Transactions Using Deep Learning	Saranya M D	06/09/2024	Yes	202441065146
17.	Enhancing Agriculture Through IoT-Based Embedded Systems, Cloud Computing, And Machine Learning for Plant Disease Detection	Pradeepkumar G	03/01/2025	Yes	202411094132
18.	Image Semantic Segmentation Using AI Algorithm In Image Processing	Dr H James deva Koresh	23/08/2024	Yes	202441061651
19.	Student Knowledge Analysis Using Knowledge Of Technological Pedagogical Content And Trust	R.Maheswar	22/11/2024	Yes	202441088344
20.	Wheeler Chair Control and Driving Assistance System Aid by Generative AI	Dr. R.Maheswar	22/11/2024	Yes	202441088714
21.	Agriculture Monitoring System with The Aid Of Iot Powered By Renewable Energy	Dr. R.Maheswar	22/11/2024	Yes	202441088722

22.	Artificial Intelligence- Based Smart Systems for Real Time Sleep Apnea Detection using wearable IoT devices and deep learning Algorithms	Dr S Nithya	14/02/2025	Yes	202541007684
23.	AI Based Real-Time wildlifeMonitoring system using IoT-Connected Cameras anddeep learning algorithms forspecies identification	Dr S Nithya	14-03-2025	Yes	202541017900 A

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