

PRATHYUSHA ENGINEERING COLLEGE

(An Autonomous Institution)

Department of ECE

LIST OF PATENTS PUBLISHED/GRANTED IN THE LAST 4 YEARS

Sl. No.	Academic Year	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YY YY)	Patent Published Date / Granted Date (DD/MM/YYYY Y)	Patent Publication Number / Patent Granted	Assignee/s Name (Institute Affiliation/s at time of Application)
1	2024-25	202241000074	Published	Dr. S. Arun	An algorithm based on deep learning for the detection of Covid 19 infection	Dr. S. Arun	14/04/2022	14/04/2022	202241000074	Prathyusha Engineering College
2		202441103172	Published	A. Priyadarshini	A Modern Methodology Enabling Plastic Disposal And Money Crediting System Promoting Digital India	A. Priyadarshini	12/03/2024	26/12/2024	202441103172	Prathyusha Engineering College
3		202441103104	Published	N. Darwin	Implementation Of Real Time Chatbot Hardware Using Android App	N. Darwin	12/03/2024	26/12/2024	202441103104	Prathyusha Engineering College
4		202441103093	Published	Dr. J. Thirumalai	Improved Multiple Object Detection And Tracking Model Using Learning Algorithm	Dr. J. Thirumalai	12/03/2024	26/12/2024	202441103093	Prathyusha Engineering College
5		202441103103	Published	Dr. S. Vimala	IoT Enabled Crop Prediction Using Machine Learning For Sustainable Applications	Dr. S. Vimala	12/03/2024	26/12/2024	202441103103	Prathyusha Engineering College
6		202441103126	Published	N. Vijayaragavan	Deep Representations Of Iris Face And Finger Print Spoofing Detection	N. Vijayaragavan	12/03/2024	26/12/2024	202441103126	Prathyusha Engineering College
7		202441103112	Published	A. Vidhya	Extending 3-Bit Burst Error Correction Codes With Quadruple Adjacent Error Correction	A. Vidhya	12/03/2024	26/12/2024	202441103112	Prathyusha Engineering College
8		202441103115	Published	J. Arun Prasath	Design Of Wearable Antenna For Detecting Covid-19 Affected Lungs	J. Arun Prasath	12/03/2024	26/12/2024	202441103115	Prathyusha Engineering College
9		202441103113	Published	E U Iniyan	Ultra Securable Programmable Lockbox	E U Iniyan	12/03/2024	26/12/2024	202441103113	Prathyusha Engineering College
10		202441103125	Published	A. Vijayshanthi	Magnetic Induction Based Communication On The Agriculture Field Using Wireless Underground Sensor Net	A. Vijayshanthi	12/03/2024	26/12/2024	202441103125	Prathyusha Engineering College
11		202441103193	Published	L. Padmanaban	Smart Electric Leakage Monitoring And Detection System Using Wsn And Iot	L. Padmanaban	12/03/2024	26/12/2024	202441103193	Prathyusha Engineering College
12	2023-24	416394-001	Design - Grant	Dr.S.Vimala / Dr.K.Prabhu chandran	Li-Fi Enabled Wearable device for High speed data communication	Dr.S.Vimala / Dr.K.Prabhu chandran	03/03/2024	09/05/2024	416359-001	Prathyusha Engineering College
13		416359-001	Design - Grant	Mr.N.Darwin	AI Based street light charging device.	Mr.N.Darwin	08/02/2024	16/04/2024	416359-001	Prathyusha Engineering College
14	2022-23	202141060317	Published	N. Darwin / Dr. S. Vimala	Smart Electronic Notice Board Using Rf Wireless Communication Technology	N. Darwin / Dr. S. Vimala	31/12/2022	31/12/2022	202141060317	Prathyusha Engineering College
15		202241033343	Published	N. Vijayaragavan	Hybrid Storage Architecture For Iot	N. Vijayaragavan	17/6/2022	17/6/2022	202241033343	Prathyusha Engineering College
16		202241040875	Published	Dr.S.Vimala	Object Detection During Glitch On Ground	Dr.S.Vimala	18/7/2022	18/7/2022	202241040875	Prathyusha Engineering College
17		202241041943	Published	N.DARWIN	Symptoms Based Human Disease Prediction Using Machine Learning Technique	N.DARWIN	29/7/2022	29/7/2022	202241041943	Prathyusha Engineering College
18	2022-23	202241050532	Published	Ms. G. Premalatha	Real Time Face Recognition And Tracking Techniques Using Hci	Ms. G. Premalatha	09/05/2022	09/05/2022	202241050532	Prathyusha Engineering College
19		202241050534	Published	Mr. L. Padmanaban	Fuzzy Logic Approaches For Fault Diagnosis In Energy Conversion Devices	Mr. L. Padmanaban	09/05/2022	09/05/2022	202241050534	Prathyusha Engineering College
20		202241050529	Published	Dr. S. Vimala	Object Empathy And Steering For Visually Impaired People Using Kinect Sensor	Dr. S. Vimala	09/05/2022	09/05/2022	202241050529	Prathyusha Engineering College
21		202241050516	Published	Mr J.Yuvaraj	Texture Segmentation And Classification For Grading Small Hepato Cellular Carcinoma	Mr J.Yuvaraj	09/05/2022	09/05/2022	202241050516	Prathyusha Engineering College

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22	2022-23	202241050519	Published	Mr J.Yuvaraj	Mimicknet And Mimicking Clinical Image Post-Processing Under Black Box Constraints	Mr J.Yuvaraj	09/05/2022	09/05/2022	202241050519	Prathyusha Engineering College
23		202241050531	Published	P. Parvathy	Blind Gaurdian Solution For Avoiding Collisions With The Real World	P. Parvathy	09/05/2022	09/05/2022	202241050531	Prathyusha Engineering College
24		202241050528	Published	Ms. A. Priyadharshini	Deep Learning Based Sign Language Recognition System	Ms. A. Priyadharshini	09/05/2022	09/05/2022	202241050528	Prathyusha Engineering College
25		202241007622	Published	Dr.S.Vimala	Development Of A Security System For Women Through Prevention Of Tail Gating	Dr.S.Vimala	02/05/2023	25/8/2023	202241007622	Prathyusha Engineering College
26		202241007633	Published	G.Premalatha	Smart Health Monitoring And Fall Prediction Using Machine Learning	G.Premalatha	02/05/2023	25/8/2023	202241007633	Prathyusha Engineering College
27		202241007675	Published	E U Iniyan	High Efficiency Sea Water Antenna For Biway Wireless Communication Using Water Channel	E U Iniyan	02/05/2023	25/8/2023	202241007675	Prathyusha Engineering College
28		202241007682	Published	T. Rubesh Kumar	A Smart Library Management System Using Labview	T. Rubesh Kumar	02/05/2023	25/8/2023	202241007682	Prathyusha Engineering College
29		2021-22	202141059363	Published	J Yuvaraj	Categorization Of Communication Networking Protocol On Malicious Network Traffic Mechanism Using Machine Learning Techniques	J Yuvaraj	20/11/2021	31/12/2021	202141059363
30		202241007685	Published	Dr. P. Malathi	Multipurpose Ai Based Robot For Automated Trash Removal And Fire Fighting Using Raspberry Pi	Dr. P. Malathi	02/02/2022	25/2/2022	202241007685	Prathyusha Engineering College
31		202241007622	Published	Mr.L.Padmanaban	Development Of A Security System For Women Through Prevention Of Tail Gating	Mr.L.Padmanaban	02/05/2022	25/2/2022	202241007622	Prathyusha Engineering College
32		202241007682	Published	E U Iniyan	A Smart Library Management System Using Labview	E U Iniyan	02/05/2022	25/2/2022	202241007682	Prathyusha Engineering College
33		202241007675	Published	T Rubesh Kumar	High Efficiency Sea Water Antenna For Biway Wireless Communication Using Water Channel	T Rubesh Kumar	02/05/2022	25/2/2022	202241007675	Prathyusha Engineering College
34		202241019891	Published	Dr. G. Premalatha	Smart And Intelligent Vehicle With Multiple Capabilities Of Staircase Climbing On All Terrain For Physically Challenged	Dr. G. Premalatha	04/01/2022	04/01/2022	202241019891	Prathyusha Engineering College
35		202241007678	Published	Dr.S.Vimala	A Smart Library Management System Using Labview	Dr.S.Vimala	02/05/2022	25/2/2022	202241007678	Prathyusha Engineering College
36		202241007633	Published	J.Yuvaraj	Smart Health Monitoring And Fall Prediction Using Machine Learning	J.Yuvaraj	02/05/2022	25/2/2022	202241007633	Prathyusha Engineering College
37		202241019887	Published	Mr.L.Padmanaban	IoT Based Automation For Optimizing Energy And Smart Car Parking Through Mobile App	Mr.L.Padmanaban	04/01/2022	04/01/2022	202241019887	Prathyusha Engineering College
38		202241019874	Published	C. Ada Christa	Design Of 32 Bit Mips Processor With Five Stage Pipelining And Built In Hazard Detection Using Verilog Hdl	C. Ada Christa	04/01/2022	04/01/2022	202241019874	Prathyusha Engineering College
39		202241019882	Published	N.Darwin	Genetic Optimization Driven Lung Cxr Image Analyzer For Covid-19 Cad System	N.Darwin	04/01/2022	04/01/2022	202241019882	Prathyusha Engineering College
40		202241019888	Published	P. Parvathy	An Iot Based Smart Fuel Level And Cost Monitoring	P. Parvathy	04/01/2022	04/01/2022	202241019888	Prathyusha Engineering College
41		202241019885	Published	A. Priyadharshini	Mqtt Based Wireless Scada System For Laboratory Management	A. Priyadharshini	04/01/2022	04/01/2022	202241019885	Prathyusha Engineering College
42		202141032884	Published	T. Rubesh Kumar/S. Arun	Advanced Antenna System Design Using Beam Forming And Massive Mimo Technology For 5G Networking	T. Rubesh Kumar/S. Arun	13/08/2021	13/08/2021	202141032884	Prathyusha Engineering College