

PERI INSTITUTE OF TECHNOLOGY
CENTRE FOR RESEARCH AND DEVELOPMENT
ACHIEVEMENTS 2022-23

No.of.Journals – 103
No.of.Patents – 22
Books – 6
International conference – 4

JOURNALS

<u>S.N</u> <u>o</u>	Dept	Author Name	Name of the Paper	Name of the Journal	Year	SCI/Scopus/UG C
1	ECE	Dr. M. Ramkumar Prabu	Auto Encoders and Decoders Technique of Convolutional Neural Network Approach for Image Denoising in Deep Learning	JPNR (Journal of Pharmaceutical Negative Results)	2022	SCI
2	ECE	Dr. M. Ramkumar Prabu	Comprehensive Design Analysis of Digital Marketing in Agriculture Sector	INTJECSE(International Journal of Early Childhood Special Education)	2022	SCI
3	ECE	Dr. M. Ramkumar Prabu	Personality prediction through textual data from the social media using multi- model deep learning frameworks	Computational Intelligence and Neurosciences	2022	SCI
4	ECE	Dr. G.Charulatha, Dr.M.Ramkumar Prabhu	Li-Fi based Human Health Monitoring System	JPCS (IOP Journal of Physics)	2022	Scopus
5	ECE	Dr. G.Charulatha, Dr.M.Ramkumar Prabhu	New Idea to Non - Invasive Monitoring of Blood Glucose	JPCS (IOP Journal of Physics)	2022	Scopus

6	CSE	Dr.R.Palsonkennedy	Human Signature Verification Using CNN With Tensorflow	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
7	CSE	Dr.R.Palsonkennedy	Land Registration Using BlockChain Method	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
8	CSE	Dr.R.Palsonkennedy	Virtual Cloth Fitting in 2D Using Deep Learning	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
9	Mech	Dr. Sathiyamoorthy R M	AI based chatbot for physically challenged people	IEEE xplore	2022	Scopus
10	Mech	Dr. Sathiyamoorthy R M	AI based battery life estimation of electric vehicle	IEEE xplore	2022	Scopus
11	S&H	Dr.V.Chithambaram	Influence of l-alanine doping on zinc (TRIS) thiourea sulphate (ZTS) single crystals	Optical and Quantum Electronics	2022	SCI
12	S&H	Dr.V.Chithambaram	Investigation of optical, thermal and mechanical studies on semi organic nonlinear optical diaquabis(Llactato)magnesium (DLLM) single crystal for optoelectronic devices applications	Journal of Materials Science: Materials in Electronics	2022	SCI
13	S&H	Dr.V.Chithambaram	Enhanced photocatalytic and Antibacterial Activity of Copper oxide Nanoparticles Synthesized by Facile Combustion methods from Mussaendafrondosa Plant Extract	Physics and Chemistry of Solid State	2022	SCI
14	CSE	K.Varalakshmi	Facial Manipulation Detection Using U-NET	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
15	CSE	K.Varalakshmi	Optimization Of Internet Signals Using	IJCRT (International	2022	UGC

			QOS Prediction in AI	Journal of Creative Research Thoughts)		
16	CSE	K.Varalakshmi, Ms.Kalaierasai	IOT and Google Assistant Based Wireless Notice Board	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
17	CSE	K.Varalakshmi	Stock Market Price Prediction Using Random Forest and SVM	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
18	CSE	Mr.Vijayanarayana n.A	Brain Tumor Diagonation Using ML	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
19	CSE	Mr.Saravanan.S	Smart Sensing With MQTT Mesh Network	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
20	CSE	Mr.Saravanan.S	Facial Based Authentication Using Eigenface, Fisherface and Local Binary Pattern Histogram	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
21	CSE	Mr.S.S.Vasanth Raja	Consumer To Consumer Product Trading With Strategic Consumer Behaviour Using Private Block Chain Technique	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
22	CSE	Mr.S.S.Vasanth Raja	Prediction of Cyber Attacks Using ML Technique	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
23	CSE	Dr.Neelaveni	Improveing Accessing Efficiency of Clous Storage Using Deduplication Schemes	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
24	CSE	Dr.Neelaveni	Personalized Recommendation of Topic By Influence Analysis Using SVM Algorithm	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
25	CSE	Dr.Neelaveni	Fog Drive Disaster Backup as a Service for Cloud Server Using IOT and Fog	IJCRT (International Journal of Creative	2022	UGC

			Computing	Research Thoughts)		
26	CSE	Dr.Neelaveni	On Demand Service System Using SOA	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
27	CSE	Mr.Dharma Prakash	Steganalysis of Digital images Using Deep Fractal Network	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
28	CSE	Mr.Dharma Prakash	Virtual Institution Management Using Combined Technology Acceptance Model	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
29	CSE	Ms.Kalaiarasi.C	Real Time Crash Prediction Using Adaptive Boosting in ML	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
30	CSE	Ms.Priya.B	Adaptive and Fault Tolerant Data Processing in Health Care IOT	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
31	CSE	Ms.Priya.B, Ms.,Abbirami R S	Stock Market Prediction Using Deep Learning	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
32	CSE	Ms.Abbirami.R.S	Animal Repellent System for Smart Farming Using AI and DL	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
33	CSE	Ms.Divya.M	Frame work For Non Continuous Spacious Mechanism With Technical Begats	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
34	CSE	Ms.Jonisha.S	Data Driven Decision Support For Optimizing Cyber Forensic Investigations	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
35	CSE	Ms.Jonisha.S	Agricultural Product Price and Crop Cultivation Prediction Based On Data Science Technique	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC

36	CSE	Ms.Jonisha.S	A Provable contextual Retrieval Strategy In The Public Cloud Using Optimal Matching Over Secure Data	IJCRT (International Journal of Creative Research Thoughts)	2022	UGC
37	CSE	Dr.R.Palsonkennedy, K.Varalakshmi	A Novel Hybrid Clustering Algorithm for Lifetime Maximization and Throughput Enhancement in Wireless Sensor Networks	Industrial Engineering Journal	2022	UGC
38	CSE	K.Varalakshmi	IOT usage in Mobile system and Ecosystem	Journal of Science, Computing and Engineering Research (JSCER)	2022	UGC
39	Mech	Mr. Anilkumar	Efficient network threat detection and classification methods using SVM+NB algorithm on cloud computing	Journal of Science Computing and Engineering Research	2022	UGC
40	EEE	Mrs.S.L.Sreedevi, Dr.G.Irin Loretta	An Ac-Dc single stage Full bridge hybrid converter with improved output characteristics	International Journal of Innovative Research in Technology IJIRT	2022	UGC
41	ECE	Dr.M.Ramkumar Prabhu	Auto Encoders and Decoders Techniques of Convolutional Neural Network Approach for Image Denoising In Deep Learning	Journal of Pharmaceutical Negative Results	2023	SCI
42	ECE	Dr.M.Ramkumar Prabhu and Dr.G.Charulatha	Logistic regression with elliptical curve cryptograph to establish secure IOT	Computer systems science and Engineering	2023	SCI
43	ECE	Dr.M.Ramkumar Prabhu and Dr.R.Charulatha	A prescribed paperless clinic to view the patients document	International conference on computing power and communication.	2023	IEEE conference
44	MECH	Dr.R.M.Sathiyamoorthy	AI based battery life estimation of electric vehicle	IEEE Conference	2023	Scopus
45	ECE	Dr.G.Charulatha	A decision supporting network and a FARM structure equipped with	Recent trends in intelligent automation and computing	2023	Scopus

			intelligent technologies for keeping packed foods	techniques		
46	ECE	Dr.R.Dinesh kumar	Lingusitic based emotion detection from live social media data classification using deep learning techniquee	International journal of communication network and information security.	2023	Scopus
47	ECE	Mr.L.Saravanan	A Hybrid security model for the protection of diagnostic text data in medical images over IoT	Sixth international conference on I-SMAC(IoT in social, mobile, analytics and cloud)	2023	Scopus
48	EEE	Dr.Yamunna	Automated short term load prediction in power systems using collision bodies optimization with multihead deep learning model	IEEE conference	2023	Scopus
49	ECE	Ms.K.Lakshmipriya	E- Governance services using Artificial Intelligence Techniques	International Conference on computer communication and informatics – IEEE at Sri Shakthi institute of Engineering and Technology.	2023	Scopus
50	CIVIL	Ms.C.Lavanya and Ms.N.Thangam	Hydrogen production from industrial waste by photo catalysis	World Journal of advanced Engineering technology and sciences	2023	UGC
51	ECE	Dr.M.Ramkumar Prabhu	Transform technique for the security improvement in the medical images for the attack prevention	International journal of intelligent systems and applications in engineering.	2023	Scopus
52	S&H	Dr.Ramesh	Heat transfer analysis of MHD casson	Indian Journal of Natural	2023	WoS

			fluid flow over an unsteady vertical permeable porous plate under the influence of heat source”	sciences.		
53	ECE	Mr.L.Saravanan	Design of elliptical to circular dielectric resonator antenna for microwave imaging application	International conference on power, energy, control and transmission systems- IEEE.	2023	IEEE
54	CIVIL	Mr.B.Magesh	Deflection and crack width assessment of RC beam using nano alumina amalgamate with GGBS and Polypropylene Fibre	Advanced Engineering science.	2023	Scopus
55	ECE	Dr.M.Ramkumar Prabhu and Dr.G.Charulatha	Employing IoT Machine learning to minimize industrial structure resource utilization	International conference on Computing methodologies and communication.	2023	IEEE
56	ECE	Dr.M.Ramkumar Prabhu and Dr.G.Charulatha	A prescribed paperless clinic to view the patents documents”.	IEEE Conference	2023	Scopus
57	ECE	Dr.M.Ramkumar Prabhu	Modified microstrip patch antenna for improved Radiation	Research Journal of Applied sciences	2023	Scopus
58	ECE	Dr.G.Charulatha	Integrated optics based on electro optic modulators for long distance links and high bit rate communication	Journal of Optical communication.	2023	SCI
59	CSE	Ms.K.Varalakshmi	An automated Glaucoma detection from fundus images based on deep learning network	International conference on I-SMAC.	2023	Scopus
60	ECE	Dr.M.Ramkumar Prabhu	Conventional arrayed waveguide grating devices for high stability and low insertion loss in near infrared wavelength band	Journal of Optical communication.	2023	SCI

61	ECE	Dr.M.Ramkumar Prabhu	Detection of TCP, UDP and ICMP DDOS attack in SDN using machine learning approach	Journal of survey in fisheries sciences.	2023	Scopus
62	ECE	M.Durairaj, R.Dinesh Kumar, K.S.Senthil Kumar, S.Dhivya Bharathi, V.Sharanya, T.Sathish	A Comprehensive Review of MOSFET Device Scaling Challenges	Journal of Science, Computing and Engineering Research.	2023	UGC
63	EEE	.Tamilamuthan, Dr.G.Irin Loretta, A.Vijayalakshmi, Dr.P.Yamunaa, Mr.A.Antonycharle s, Dr.S.Dinakar Raj	A CW Multiplier for High Voltage Generation with A Dc-Dc Converter using Photovoltaic Application	Journal of Science, Computing and Engineering Research.	2023	UGC
64	MECH	Anilkumar, Sounthar Rasu, Dhilipkumar	Analysis of Drills Used in Bone Surgery	Journal of Science, Computing and Engineering Research	2023	UGC
65	ECE	M.Renuga, B.Lavanya, K.Lakshmi priya , K.Senthil Kumar	Analysis of Neuro-Imaging and Prediction of Alzheimer's Syndrome and Brian Tumor using Machine Learning Techniques	Journal of Science, Computing and Engineering Research.	2023	UGC
66	CSE	S.S.Vasanth Raja, R.Palson Kennedy, S. Jonisha, T.Bersikin Libina	Authorized Data Deduplication Technique In Cloud Storage System	Journal of Science, Computing and Engineering Research.	2023	UGC
67	EEE	Dr.G.Irin Loretta , A.Vijayalakshmi , Dr.P.Yamunaa , A.Antonycharles, Dr.S.Dinakar Raj,	Automatic Smart Solar Radiation Tracker for PV Power Plants	Journal of Science, Computing and Engineering Research.	2023	UGC

		S.L.Sreedevi				
68	EEE	.Yamunaa, A.Antonycharles, S.Dinakar Raj, S.L. Sreedevi, R.Tamilamuthan, G.Irin Loretta	Dc-Dc Boost Converter with Ripple Reduction Techniques for Electric Vehicle	Journal of Science, Computing and Engineering Research.	2023	UGC
69	MEC H	Madhavan P, Anil Kumar, Sivakumar R	Design and Fabrication of Multipurpose Agriculture Vehicle	Journal of Science, Computing and Engineering Research.	2023	UGC
70	CSE	Dr Palson Kennedy R, Vasantha Raja S S, Jonisha S, Bersikin Libina T	Early Detection of Alzheimer's disease with Blood Plasma Proteins Using Support Vector Machines	Journal of Science, Computing and Engineering Research.	2023	UGC
71	MEC H	P. Madhavan, Dhilipkumar, R. Sivakumar, G. Loganathan	Experimental Study on Drilling Characteristics of Fiber Metal Laminates	Journal of Science, Computing and Engineering Research	2023	UGC
72	CSE	Vijayanarayanan A, Savithiri R, Lekha P, Abbirami R S	EXTRACTION AND PLOTTING OF SPECTRAL AND TEMPORAL FEATURES OF EEG RHYTHMS	Journal of Science, Computing and Engineering Research	2023	UGC
73	CSE	Vijayanarayanan A, Savithiri R, Lekha P, Abbirami R , Noble Lourdhu	Hiro Card Marker Detection in Augmented Reality	Journal of Science, Computing and Engineering Research	2023	UGC
74	ECE	G.Charulatha, Kurtideepa Bhol, B.Kaleeswari, K.Lakshmi Priya	Implementation of Orthogonal Frequency Division Multiplexing based on Discrete Wavelet Transforms in FPGA	Journal of Science, Computing and Engineering Research	2023	UGC

75	ECE	Krutideepa Bhol, M.Durairaj, L.Saravanan, B.Kaleeswari, M.Renuga	Optimization of the Radix 4 and Radix 8 Booth Algorithms and Their FPGA Realization.	Journal of Science, Computing and Engineering Research	2023	UGC
76	SES	Gayathri G S, Vimala Devi A, Priya B, Kalaiarasi C, Deepika H	Sign Language Prediction Using CNN	Journal of Science, Computing and Engineering Research	2023	UGC
77	EEE	S.L. Sreedevi, R.Tamilamuthan, Dr.G.Irin Loretta, A.VijayaLakshmi, P.Yamunaa, Mr.A.Antonycharles	Switching State Step up Converter Mixed with Magnetic Coupling and Voltage Multiplier Techniques for High Gain Conversion	Journal of Science, Computing and Engineering Research	2023	UGC
78	CSE	Gayathri G S, Vimala Devi A, Priya B, Kalaiarasi C	Vehicle Collision Detection and Alert System Using Yolov3 Algorithm	Journal of Science, Computing and Engineering Research	2023	UGC
79	ECE	Dr.M.Ramkumar Prabhu	Unmasking unbalanced network traffic by intruders based on machine learning algorithm	Journal of survey in fisheries sciences.	2023	Scopus
80	ECE	Dr.G.Charulatha	A Novel orientation approach in artificial intelligence for mounting robots utilizing a three dimensional framework of broadcast tower	IEEE International conference on Artificial intelligence and knowledge discovery in concurrent engineering.	2023	Scopus
81	ECE	Dr.G.Charulatha	An efficient intelligent systems for low power consumption zigbee based	IEEE International conference on Artificial	2023	Scopus

			wearable device for voice data transmission	intelligence and knowledge discovery in concurrent engineering.		
82	EEE	A.Antonycharles, Dr.S.Dinakar Raj, S.L.Sreedevi R. Tamilamuthan, Dr.G.Irin Loretta, A.Vijayalakshmi	An Integrated Motor-Drive and Battery-Charging System Based on a Split-Field-Winding Doubly Salient Electromagnetic Machine	Journal of Science, Computing and Engineering Research.	2023	UGC
83	ECE	R.Dinesh Kumar, M.Ramkumar Prabhu, K.Lakshmi Priya, M.Renuga, K.S.Senthil Kumar	An Investigation of Low Power VLSI Design Techniques	Journal of Science, Computing and Engineering Research.	2023	UGC
84	MECH	Sivakumar.R, Prabhakaran, Sathiyamoorthy.R. M	Analysis of Formability of Aa6061 by Dual Step Angle Single Point Incremental Forming	Journal of Science, Computing and Engineering Research.	2023	UGC
85	CSE	Dr Palson Kennedy R, Jonisha S, Bersikin Libina T, Vasanth Raja S S	B&W Image Colorization Using Computer Vision And Deep Learning	Journal of Science, Computing and Engineering Research.	2023	UGC
86	ECE	G.Charulatha, R.Dineskkumar, B.Kaleeswari, K.Lakshmipriya	Computer-Aided Design for skin disease Identification and Categorization Using Image Processing	Journal of Science, Computing and Engineering Research	2023	UGC
87	EEE	Vijayalakshmi, P.Yamunaa, Mr.A.Antonycharle s, Dr.S.Dinakar	Design of an MLI with a reduced amount of Switches	Journal of Science, Computing and Engineering Research	2023	UGC

		Raj, S.L. Sreedevi, R. Tamilamuthan				
88	MEC H	Sivakumar.R, Prabhakaran.D, Sathiyamoorthy.R. M	Design of Smart Helmet	Journal of Science, Computing and Engineering Research.	2023	UGC
89	S&H	Dr.C.N.Vidhyalaks hmi & Ms.V.Jeeva	Emotional intelligence and academic motivation in students	Advanced Engineering science	2023	Scopus
90	CSE	Vijayanarayanan A, Savithiri R, Lekha P, Abbirami R S	Google Playstore Reviews Prediction Using ML And NLP	Journal of Science, Computing and Engineering Research	2023	UGC
91	CSE	Vijayanarayanan A, Savithiri R, Lekha P, Abbirami R S	Image Processing Based on Optical Character Recognition with Text to Speech for Visually Impaired	Journal of Science, Computing and Engineering Research	2023	UGC
92	CSE	Gayathri G S, Vimala Devi A, Priya B, Kalaiarasi C	Intelligent Voice Over System for Disabled People	Journal of Science, Computing and Engineering Research	2023	UGC
93	CSE	Varalakshmi K, Dharma Prakash V, Noble Lourdhu, Deepika H	IOT based Health Machine for covid-19 with Matlab	Journal of Science, Computing and Engineering Research	2023	UGC
94	MEC H	Sathiyamoorthy Margabandu , Madhavan. P ,Anilkumar, Prabhakaran, Sivakumar	Mechanical Behaviour of Jute / Glass / Chicken Feather Reinforced Hybrid Composites	Journal of Science, Computing and Engineering Research	2023	UGC
95	CSE	Varalakshmi K,	Multipurpose File Transfer and File	Journal of Science,	2023	UGC

		Dharma Prakash V, Noble Lourdhu, Deepika H	Inquiry	Computing and Engineering Research		
96	CSE	Varalakshmi K, Dharma Prakash V, Noble Lourdhu, Deepika H	Real-Time Facial Recognition Based Student Proctoring System Using KNN Algorithm	Journal of Science, Computing and Engineering Research	2023	UGC
97	EEE	S.Dinakar Raj, S.L. Sreedevi, R.Tamilamuthan, Dr.G.Irin Loretta, A.VijayaLakshmi, P.Yamunaa	Step up – Step down Converters Based on Semi-active Rectifiers for High Output Voltage Applications	Journal of Science, Computing and Engineering Research	2023	UGC
98	CSE	Gayathri G S, Vimala Devi A, Priya B, Kalaiarasi C	Support Vector Machine based Multi Block Chain E Voting System	Journal of Science, Computing and Engineering Research	2023	UGC
99	CSE	Dr.K.Senthilkumar	Socio-Demographics and life satisfaction among college teaching fraternity in tamilnadu	Empirical economics letters	2023	WoS
100	CIVIL	Mr.B.Magesh	Structural performance of nano alumina based EC element with polypropylene fibre and GGBS	Sustainable Energy Technologies and Assessments	2023	SCI
101	CSE	Vasanth Raja S S, Jonisha S, Bersikin Libina T, Senthilkumar K	Enhancement of Short Term Prediction Using modified LSTM	Journal of Science, Computing and Engineering Research	2023	UGC
102	CIVIL	Ms.C.Lavanya	A technical review on recent usage of used tyre waste in concrete	Eur.Chem.Bull	2023	UGC
103	MEC H	Mr.S.M.Sathyamoo rthy	Buckling and dynamic behavior of uniform and tapered woven carbon/jute	Mechanics of advanced materials and structures	2023	SCI

			fiber reinforced polyester hybrid composite beams			
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PATENTS

S.No	Dept	Name of the Applicant	Name of the Patent	Title of the Invention	Application no	Published Date
1	CSE	PERI IT & CSE dept 13 faculties	Facial manipulation detection using U-NET	Intellectual Property India	TEMP/E-1/69082/2022-CHE	19.10.22
2	CSE	PERI IT & CSE dept 13 faculties	Real-Time facial recognition based student proctoring system using KNN Algorithm	Intellectual Property India	TEMP/E-/69074/2022-CHE	19.10.22
3	CSE	A.Vijayanarayanan & Dr.P.Neelavani	Cardiovascular disease prediction system using machine language	Intellectual Property India	202241002512	18.8.22
4	ECE	PERI IT, Dr.M.Ramkumar Prabhu, Dr.M.Durairaj, Dr.R.Dineshkumar, Mr.L.Saravanan, Mr.K.Senthilkumar, Dr.G.Charulatha, Ms.M.Renuga, Ms.B.Kaleeswari, Ms.K.Lakshmipriya, Ms.S.Dhivyabharathi	Personalized Recommendation Of Topics By Influence Analysis Using Support Vector Machine Algorithm	Intellectual Property India	202241058910A	21-10-2022
5	ECE	PERI IT, Dr.M.Ramkumar Prabhu, Dr.M.Durairaj, Dr.R.Dineshkumar,	Virtual Cloth Fitting In 2D Using Deep Learning Approach	Intellectual Property India	202241058911A	21-10-2022

		Mr.L.Saravanan, Mr.K.Senthilkumar, Dr.G.Charulatha, Ms.M.Renuga, Ms.B.Kaleeswari, Ms.K.Lakshmipriya, Ms.S.Dhivyabharathi				
6	ECE	PERI IT, Dr.M.Ramkumar Prabhu, Dr.M.Durairaj, Dr.R.Dineshkumar, Mr.L.Saravanan, Mr.K.Senthilkumar, Dr.G.Charulatha, Ms.M.Renuga, Ms.B.Kaleeswari, Ms.K.Lakshmipriya, Ms.S.Dhivyabharathi	AI-Based Animal Recognition and Repellent System For Smart Farming DCNN Algorithm	Intellectual Property India	202241058912A	21-10-2022
7	ECE	Dr. M. Ramkumar Prabhu	IOT based crop monitoring scheme using smart device with machine learning methodology	Intellectual Property India	20214131518A	16-07-2022
8	Mech	Dr. Sathiyamoorthy R M	A Deep Convolutional Neural Network system for lithium ion battery capacity	Intellectual Property India	202241056622 A	14-10-2022
9	Civil/ Mech	PERI IT , Mr. B. Magesh & Mr.Anilkumar	Implementation of smart residential building with floatable car parking using AUTOCAD and STAAD PRO	Intellectual Property India	202241052833 A	14-10-2022
10	EEE	Dr.G.Irin Loretta	Deep Learning based system to analyze and support the process of cleaning solar seperators in	Intellectual Property India	202211060209A	4.11.2022

			solar energy enabled devices for harvesting solar energy			
11	EEE	Mrs.S.L Sreedevi	Artificial intelligence based approach to study the issues associated with fuel cells to reduce cost and increase sustainability	Intellectual Property India	202211061210 A	11-11-2022
12	EEE	Dr.P.Yamunaa	System for blind person intelligent walkink stick by integrated machine learning and IOT	Intellectual Property India	201941023059	10-11-2022
13	EEE	Mr A Antony Charles	IOT Enabled Energy efficient advanced 6G Communication network systems	Intellectual Property India	202241053255	17.09.2022
14	ECE	Dr.R.Dineshkumar	Monitoring E-health coresystem using AI techniques and methods	Intellectual Property India	202241075332	12.3.2023
15	ECE	Dr.R.Dineshkumar	Localization error mitigation technique for location enabled IoT in athlete training system	Intellectual Property India	202331001873	28.3.2023
16	CSE	Dr.R.Palson Kennedy	IOT Module with AI based mathematical model for curve fitting for sensory data		202241071546	1.2.2023
17	ECE	Dr.R.Dineshkumar	An adaptive fuzzy power controller based wind energy conversion system		202341005348	4.4.2023
18	ECE	Dr.R.Dineshkumar	AI & ML based system for		202341005350	4.4.2023

			prediction of wind power for multi-turbine			
19	ECE	Dr.R.Dineshkumar	Architecture FPGA for non linear and morphological image filtering		202341007078	4.4.2023
20	S&H	Dr.C.N.Vidhyalakshmi, Ms.G.Malathy, Ms.V.Jeeva and Ms.J.Julie	Enhancing communication skills of the learners through activity based learning		202341009804	19.4.2023
21	CSE	Mr.Vijayanarayanan	Sarcasm detection in chat bot replies using improved support vecor machine learning technique		202341004578	21.3.2023
22	ECE	Dr.M.Ramkumar Prabhu	Patent Grant Smart Solar shoe”		202341004125	20.2.2023

BOOKS

1. Dr.R.Palson Kennedy, Principal published book titled “Computer Networks and Switching” by GCS Publishers, ISBN: 978-81-460493-0-0.
2. Dr.M.Ramkumar Prabhu of ECE department published book titled “Digital Signal Processing” by AIP Publishers, ISBN: 978-93-95978-88-0
3. Dr.G.Charulatha of ECE department published book on Communication Theory by AIP Publishers, with ISBN: 978-93-95978-88-0
4. Mr.L.Saravanan of ECE department published book on Digital Communication by AIP Publishers, with ISBN number: 978-93-95978-90-3
5. Mr.R.M.Sathiya Moorthy published a Book chapter titled “ Fused Deposition Modelling of Polyactic Acid(PLA) – Based polymer composites”
6. Dr.M.Ramkumar Prabhu and Dr.G.Charulatha published a book chapter titled “ A Decision supporting network and a FARM structure equipped with intelligent technologies for keeping packed food” in Recent Trends in intelligent automation and computing techniques

