



Rajarajeswari College of Engineering

(An Autonomous Institution)



(Affiliated to VTU, Belagavi & Approved by AICTE, UGC & Govt. of Karnataka)
#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru -560074, Karnataka

Department of Electronics & Communication Engineering

Patent Publications (2022-2025)

Sl. No.	AY	Name of the Faculty	Title of the Patent	Application Number	Published
1.	2022-2023	Dr. A Muruganandham	A system providing support in mobile devices for scalable natural host and private network discovery	202341025090A	01/04/2023
2.		Dr. Sumitha Manoj	Early Diagnosis and preventive mechanism for covid 19 to cardiac patients.	202341003004A	20/01/2023
3.		Dr. Sumitha Manoj	Smart sensors based on hill area maintenance in winter using the internet of things.	202241059660A	28/10/2022
4.	2023-2024	Vani S Badiger	Enhancing Smart City And Iot Solutions With Adversarial LSTM And CNN Models	202341049093A	1/9/2023
5.		Chaithanya S	Enhancing Smart City & Iot Solutions With Adversarial Lstm & Cnn Models	202341049093	01-09-2023
6.		Haritha K Sivaraman	AI & IOT Based Smart Agriculture Management System For Efficient Irrigation And Crop Monitoring Using Machine Learning Algorithm	202341043483A	28/6/2023
7.		Dr. D. Sobyra	Deep Learning (DL) Techniques For Prevention Of Train Accident And	202341043272A	1/9/2023



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Department of Electronics & Communication Engineering

			Prediction Of Breakdown In The System		
8.	Dr. Deepika J		Deep Learning (DL) Techniques For Prevention Of Train Accident And Prediction Of Breakdown In The System	202341043272A	1/9/2023
9.	Dr. Sunitha R		Autonomus Medication Delivery And Patient Care Robot For Hospitals	2023410171206A	1/12/2023
10.	Dr. Sumithamanoj		Autonomus Medication Delivery And Patient Care Robot For Hospitals	2023410171206A	1/12/2023
11.	Suresh M		AI & IOT Based Smart Agriculture Management System For Efficient Irrigation And Crop Monitoring Using Machine Learning Algorithm	202341043483A	1/9/2023
12.	Dr. Vijaya S M		Artificial Intelligence Based Semi Manual Teli Medical Robot For Cardio Pulmonary Resuscitation Chest Compression	202321045375	1/9/2023
13.	Vani S Badiger		Information System For Contamination Water Quality Monitoring Using Cloud Based Iot	202441029450	19/04/2024
14.	Chaithanya S		Driver Alcohol Level and Sleeping Status Accident Place Detection And Notification System Using Mach	202441024098	5/4/2024
15.	Chaithanya S		Advancements In Agriculture: The Role Of Machine Learning And Biotechnology In Autonomous Harvesting And Data-Driven	202441049504	5/7/2024



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			Management		
16.		Haritha K Sivaraman	Design An Intelligent Surveillance And Night Patrolling Using Drone-System Based On Ai & Iot	2024441009631	12/2/2024
17.		Dr. Deepika J	Navigating The Future: A Cognitive Framework For Ai, Digital Transformation, And Cybersecurity In Banking	202441010175A	08/03/2024
18.		Suresh M	Cluster Electric Vehicle Charging Behavior Optimization Method Based On Deep Reinforcement Learning	2024411029453	19/04/2024
19.		Ajay M	Modified Cascaded H-Bridge Multilevel Inverter For The Minimization Of THD Using Sparrow Search Algorithm	202441029452	19/04/2024
20.		Ajay M	Wearable Textile Antenna For Telemedicine Application	6338613	22/01/2024
21.		Vinodha G	AI And Blockchain Based Secure Password Management System To Enhance Security Through Cryptography	202441015629A	22/03/2024
22.		Dr. Muruganandhan	AI Based Smart Cough Detector	422745-001	10/7/2024
23.		Dr. Sunitha R	IoT And Cloud Based Smart Agriculture Device To Detect Flames Using Wsn And Image Processing Techniques	202441028695 A	19/4/2024



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24.		V Sreepathi	Robotic Arm For Precision Manufacturing	417390-001	19/05/2024
25.		M.Supraja	AI and IOT Based Parking availability Prediction System for sensor enabled car parks in smart cities using Machine Learning Algorithms	202411040006A	07/06/2024
26.		Dr. D. Sobyra	Design Of Iot-Enabled Face Detection And Tracking Using Image Processing On Raspberry PI	202441009131A	08/03/2024
27.		M.Supraja	IOT & AI for Smart Automation in industry 4.0 using Sensors	202341076516 A	22/12/2023
28.	2024-2025	Dr.Sunitha R	System to perform Self charge electric vehicle battery using IoT based system	202441028695 A	18/10/2024
29.		Dr. S M Vijaya	An Efficient Spam Detection System Technique:A Relaiable Method Using Supervised learning Techniques	202441068333	20/9/2024
30.		Dr. S M Vijaya	Detecting And Classifying Fraudulent Sms And Email With A Robust Machine Learning (ML) Approach	202441093335	6/12/2024

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PATENTS Publications

S.NO	AY	Name of the Faculty	Title of the Patent	Application Number	Published
1	2021-22	Dr. A. Muruganandham	Identifying arrhythmias with effective mining algorithms from heterogeneous biomedical records	202241020184	22/04/2022
2		Dr. D. Soby	Identifying arrhythmias with effective mining algorithms from heterogeneous biomedical records	202241020184	22/04/2022
3		Dr. SumithaManoj	Big Data and Cloud Bursting Real- Time Intelligent scheduling using Machine Learning	202141052902	10/12/2021
4		Dr. P. Bhuvaneswari	Dryland Agriculture and yield gap analysis by machine learning algorithms using IOT sensors	2021104029	25/08/2021
5		Dr. D. Soby	Trust worthy electronics voting using adjusted block chain technology	202141035793	13/08/2021
6		Dr. SumithaManoj	Intelligent- SIM: Multiple Company Mobile Number Installed in Single SIM (Single Sim, Multiple Networks)	202141052902	09/08/2021
7	2020-21	Dr. SumithaManoj	A Novel Method For Magnet Electricity Generator Field	202141026242	25/06/2021
8		Dr. SumithaManoj	IPCM-Movable Satellite: Intelligent Propagation Impairments for Movable Satellite Communication Links at the Microwave Frequencies in location	2020102827	17/10/2020
9		Dr. D. Soby	Surveillance Automation For Detection and Identification of Human	202041036283 A	11/09/2020
10		Dr. A. Muruganandham	Ground Water Location Mapping Technique From Multivariable GIS Data Using Data Mining Methods	202041035289	04/09/2020
11		Dr. Jyothi A P	Energy Efficient Routing Technique Using Multi Objective Localization In Wireless Body Area Networks for Better Life Time	202041036191 A	04/09/2020
12		Dr. Rangaiah L	IVEP-Surveillance Systems: Intelligent Video Surveillance Systems Ensuring Privacy of People	202041029262	31/07/2020
13		Dr. Rangaiah L	Preventing Vehicle Accidents: Intelligent Accident Avoidance Using Satellite-Based Positioning System	202041028920 A	31/07/2020
14	2019-20	Dr. P. Bhuvaneswari	Cryptographic Security of Data Transfers In Computer Systems	202041005154 A	14/02/2020
15		Dr. Gangadhar Reddy	System for Remote Monitoring of Hazardous & Flammable Substances In Chemistry Industry Using IoT Sensors	202041002371	31/01/2020
16	2019-20	Dr. Rangaiah L	An Apparatus for Detection of Gas Leakage	201941003789	02/08/2019


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