



RajaRajeswari College of Engineering



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Number of Patents Published/ Granted:

Sl no.	Name of the applicant/ Investigator	Title of the Patent	Indian/ Foreign	Patent Status	Published Date	Granted Date
2022-23						
1	Dr. R Balakrishna	Early Diagnosis and preventive Mechanism for Covid19 to Cardiac Patients	Indian	Published	20-01-2023	-
2	Dr. R Balakrishna	Machine Learning Based Approach to detect the Quality of stripped watermelon	Indian	Published	26-08-2022	-
3	Dr. S Usha	Gas Leakage with Auto Ventilation and smart management system using IOT	Indian	Published	26-05-2023	-
4	Dr. P Ebby Darney	Solar Phone Case	Indian	Granted	21-03-2023	21-03-2023
5	Dr. P Ebby Darney	Impact and Analysis of Green Concept in Mechanical Design and Manufacturing Industry	Indian	Published	17-03-2023	-
6	Dr. Sumitha Manoj, Dr. Vishwanath K C, Dr. Sunitha R, Dr. S Usha	Autonomous Medication Delivery and Patient Care Robot for Hospitals	Indian	Published	01-12-2023	-
7	Prof. Manasa G V	AI & IoT Based Smart Agriculture Management System for Efficient Irrigation & Crop Monitoring Using Machine Learning(ML) Algorithm	Indian	Published	28-06-2023	-
8	Prof. RajKumar	Green healthcare services using integrated IOT-Edge fog cloud computing environments	Indian	Published	07-04-2023	-

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9	Prof. V M Saravana Perumal	Convolutional Neural Network based technique to Identify the Security and Privacy issues in IoT based Big Data Cloud Systems	Indian	Published	18-08-2023	-
10	Dr. Rajesh K S, RajaRajeswari College of Engineering	Analysis of dental implant system from radiographs using machine learning method	Indian	Published	05-05-2023	-
11	Dr. K Aravinthan, RajaRajeswari College of Engg, , Dr. S Vijayanand, Dr. S Jeyabalan, Dr. R Balakrishna, Dr. J Amutharaj, Dr. S Usha	HSO-Brick and Process for Manufacturing Thereof	Indian	Published	26-05-2023	-
12	Sincy Elezebeth Kuruvilla, Bharathi V, Dr. P Ebby Darney, Dr. D Kirubha	Bluetooth Speakers with Power Bank	Indian	Granted	24-06-2023	24-06-2023
13	Dr A Muruganandham	A system providing support in Mpbile devices for scalable natural host and private network discovery	Indian	Published	01-04-2023	-
14	Vani S Badiger	power efficient data aggregation technique for IOT and Cloud Enabled Wireless sensor networks	Indian	Published	09-12-2022	-

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15	Dr.Sumitha Manoj	Early Diagnosis and Preventive Mechanism for COvid 19 to Cardiac Patients.	Indian	Published	20-01-2023	-
16	Dr.Sumitha Manoj	Smart sensors based on hill area maintenance in winter using the internet of things.	Indian	Published	28-10-2022	-
17	Dr. Auntin Jose	Design of High Confidence Embedded Operating SystemBased on IoT, AI & Smart Chips	Indian	Published	18-08-2023	-
18	Prof. T Rathi Devi	Using Lora and LightWeight Dynamic Clusering Algorithm a Mobile Data Sink can be made Wide Area WSNs that are Connected to Internet of Things	Indian	Published	19-08-2022	-
19	Dr. Selvi	Artificial Intelligence based Automatic Stock Price prediction System to predict High, Low and Closing Price using cloud computing and Machine Learning Algorithms, publication	Indian	Published	23-06-2023	-
20	Dr. Kirubha	Enhanced Video Surveillance System for Police Cops To MonitorUnusual Activities	Indian	Published	01-09-2023	-
21	Dr. R Balakrishna, Dr. S Vijayanand, Dr. Kamalraj T, Dr. Sumitha Manoj	Health Monitoring System based on Internet of Things Devices and AWS	Indian	Published	16-06-2023	-
22	Dr. T. Subburaj	Prediction of Intelligent level (IQ) of Children	Indian	Published	24-03-2023	-

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2021-22						
		Below the normal level results in retardation using AI & ML Techniques				
1	Prasanna Kumar Mallappa	Design of Food Ingredient Dispenser for Feeding and Cooking	Indian	Published	13-05-2022	
2	Dr. A. Muruganandham, Dr. D. Soby	Identifying arrhythmias with effective mining algorithms from heterogeneous biomedical records	Indian	Published	22-04-2022	
3	R.Balakrishna Dr.M.Selvi Dr.KamalRaj T Dr.D.Kirubha Rajarajeswari college of Engineering	Developing a protocol for link failure recovery and reliable data delivery	Indian	Published	16-04-2022	
4	Prasanna Kumar Mallappa, Srinivasa R, Mahantesh Mathapati, Auntin Jose T, RajaRajeswari college of Engineering	Detection of Arrhythmia Using Machine Learning	Indian	Published	22-04-2022	
5	Dr.R.Balakrishna	Comparators with power gates for 3-Bit Flash AC Conversion	Indian	Published	09-04-2022	
6	Dr.R.Balakrishna	Performance Testing of Web Service Using Replicas	Indian	Published	08-04-2022	

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7	Dr.R.Balakrishna Dr. Neha Singhal	Internet Of Things Based Smart Irrigation System For Water Resource Management	Australian	Granted/ Published	30-03-2022	30-03-2022
8	Dr.R.Balakrishna	Composite Web Services: A Shapley Value-based game theory application for evaluating workload distribution	Indian	Published	25-03-2022	
9	Dr. Neha Singhal	Intelligent Tracking & Managing System for Water Quality Distribution and Water Consumption Plan Scheduling Using Block Chain	Australian	Granted/ Published	09-03-2022	09-03-2022
10	Prasanna Kumar Mallappa	An Algorithm for Detecting Leukemia in Microscopic Images Using Machine Learning Techniques	Indian	Published	04-03-2022	
11	Dr.R.Balakrishna	Data Analytics on Television Dataset using Hadoop, Machine Learning	Indian	Published	04-03-2022	
12	Dr.R.Balakrishna	Smart Air Purifier with IoT enabled technology	Indian	Published	18-02-2022	
13	Dr.R.Balakrishna	Block Chain-Based Solutions for Proof of Pick-up of A Physical Asset	Indian	Published	17-01-2022	
14	Dr.R.Balakrishna	Novel Approaches of Identification of Tangent and Normal of a Hyperbola.	Indian	Published	17-12-2021	
15	Dr.R.Balakrishna Dr.Sumithamanoj Dr.Rajesh K S Dr. S Vijayanand	Big Data and Cloud Bursting Real- Time Intelligent scheduling using Machine Learning	Indian	Published	10-12-2021	

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16	Dr.R.Balakrishna Dr.Sumithamanoj Dr.Rajesh K S Dr. S Vijayanand	Intelligent- SIM: Multiple Company Mobile Number Installed in Single SIM (Single Sim, Multiple Networks)	Indian	Published	10-12-2021	
17	Dr N Sreenivasalu Reddy Dr. Vishwanath K C Dr.Pruthviraj.R.D Prof. Gangadhara N	Four stroke petrol engine piston	Indian	Granted/ Published	03-12-2021	10-08- 2021
18	Prof. Thanuj Kumar M	Smart Device for Women/Child Safety with Automatic Location Tracking and Emergency Dialing Alert System using Artificial Intelligence & Internet of Things	Indian	Published	22-11-2021	
19	Dr. Neha Singhal Dr. S Vijayanand Dr J Amutharaj Dr. D Sobyra	Trustworthy Electronic Voting using Adjusted block chain Technology	Indian	Published	13-08-2021	
20	Dr. S Usha Dr J Amutharaj Dr. P. Bhuvanewari	Dryland Agriculture and Yield Gap Analysis by Machine Learning Algorithms Using IoT Sensors	Foreign	Granted	25-08-2021	25-08- 2021
21	Dr.R.Balakrishna	Smart Toll Collection Through GPS	Indian	Published	23-07-2021	
22	Dr.R.Balakrishna	Learning Long Term Model Fro Predictions for AIR Pollution Causing Pollutants for Bengaluru Environment	Indian	Published	14-07-2021	
23	Dr D Sivakumar	Machine Learning Enabled Sensitive Flex Sensor Based Back Spine Position Monitoring and Alert System	Indian	Published	02-07-2021	

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2020-21

1	Dr.R.Balakrishna Dr.Sumithamanoj Dr.Kamalraj T Dr.S.Vijayanand	A Novel Method for Magnet Electricity Generator Field	Indian	Published	25-06-2021	
2	Dr J Amutharaj	An Efficient Coverage Management For Smart IoT Application	Foreign	Granted	27-03-2021	27-03-2021
3	Prof. Thanuj Kumar M	Novel Design For Casting Table	Indian	Published	31-12-2020	
4	Prof. Thanuj Kumar M	Automatic Signal Alert For Preventing Accidents	Indian	Published	11-12-2020	
5	Dr. Vishwanath K C Dr.Pruthviraj.R.D	Solar water heater with twisted elliptical sectioned absorber tubes	Indian	Published	04-12-2020	
6	Dr.R.Balakrishna Dr.Sumithamanoj Dr.S.Vijayanand	IPCM- Movable Satellite: Intelligent Propagation Impairments for Movable Satellite Communication Links at The Microwave Frequencies in Location	Foreign	Granted	17-10-2020	17-10-2020
7	Dr.R.Balakrishna	CNIB-Water Management Technology: Water Collection and Notification using IoT – Based Technology	Indian	Published	01-10-2020	

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8	Dr.R.Balakrishna	Design and Develop Low Cast School, Office, Hospital HighTech Buildings	Indian	Published	18-09-2020	
9	Dr J Amutharaj Dr.D.Sobya	Surveillance automation for detection and identification of human behaviours	Indian	Published	11-09-2020	
10	Dr. S Usha, Dr. Jyothi A P	Energy efficient routing technique using multi objective localization in wireless body area networks for better lifetime	Indian	Published	04-09-2020	
11	Dr.R.Balakrishna Dr.Rajesh K S	IML- Data Cleaning: Intelligent Data Cleaning using Machine LearningProgramming.	Foreign	Granted	03-09-2020	03-09-2020
12	Dr A Muruganandham	Ground Water Location Mapping Technique From Multi Variable GIS Datas Using Data Mining Methods	Indian	Published	17-08-2020	
13	Dr N Sreenivasalu Reddy	Flat plate solar water heating system with twisted elliptical tubes	Indian	Published	10-08-2020	
14	Dr. Rangaiah L	IVEP-Surveillance Systems: Intelligent Video Surveillance Systems Ensuring Privacy of People	Indian	Published	31-07-2020	
15	Dr. Rangaiah L	Preventing Vehicle Accidents: Intelligent Accident Avoidance Using Satellite-Based Positioning System	Indian	Published	31-07-2020	

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16	Dr.R.Balakrishna Prof. Thanuj Kumar M	CNG Kit: Intelligent CNG Kit Design For Two Wheelers.	Indian	Published	17-07-2020	
17	Dr.R.Balakrishna	Social Media Sentiments: Profile based Mapping Social Media Sentiments Using Deep Learning Programming	Indian	Published	14-07-2020	
18	Dr.R.Balakrishna Dr.Rajesh K S	ICS-System: Intelligent Customer Service System Using Artificial Intelligence Programming	Indian	Published	10-07-2020	
19	Dr.R.Balakrishna Mr.Sreepathi.V	ICD-Devices: Intelligent clustering Digital Device in an Internet of Things	Indian	Published	03-07-2020	
20	Dr.R.Balakrishna Dr.S.Vijayanand	IMFBT-Data Discover: Intelligent Data Discover with one Member of the Family B-Tree Using Machine Learning	Indian	Published	03-07-2020	
2019-20						
1	Dr.R.Balakrishna, Dr. M Selvi	IRBC-System: Intelligent Rule Based Classification systems to Classify Discrete Sets	Indian	Published	30-06-2020	
2	Dr N Sreenivasalu Reddy, Dr. Vishwanath K C	Bench Vice	Indian	Published	12-05-2020	
3	Dr N Sreenivasalu Reddy	Sub-assembly for domestic lpg swirl burner	Indian	Published	11-04-2020	

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4	Dr. S Usha, Dr J Amutharaj Dr.Kamalraj Dr.K.Janaki, Dr. P Bhuvaneshwari	Cryptographic security of data transfers in computer systems	Indian	Published	14-02-2020	
5	Dr. R Gangadhar Reddy	System For Remote Monitoring Of Hazardous & Flammable Substances In Chemistry Industry Using Iot Sensors	Indian	Published	31-01-2020	
6	Dr N Sreenivasalu Reddy	Sub-assembly for flat plate solar collector	Indian	Granted	31-01-2020	31-01-2020
7	Dr. Vishwanath K C	A Smart Digitalized Knob For A Gas Stove Along With A Device To Check Efficacy And Safety Factors	Indian	Published	28-01-2020	
8	Dr D Sivakumar	An intelligent helmet system for collision avoidance by alerting the two wheeler rider	Indian	published	29-11-2019	
2018-19						
1	Dr N Sreenivasalu Reddy	Parabolic trough collector with rotating absorber tube	Indian	Published	10-04-2019	
2	Dr.R.Balakrishna Dr.Rangiah Leburu	An Apparatus for Detection of Gas Leakage	Indian	Published	30-01-2019	
3	Dr.R.Balakrishna	Domestic Birds Protective System	Indian	Published	18-01-2019	

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