



Rajarajeswari College of Engineering

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CRITERIA - 2.4.2

AY 2024-25

2.4.2. Average Percentage Of Full-Time Teachers with PhD

SL. NO.	Research Guide	Dept.	Research Topic	Research Scholar Name	Year of Registration	Research Scholar Topic
1	Dr. R. Balakrishna	CSE	Multihop performance wireless mobile ad hoc network	Mrs Shabana	2021	Cancellation biometric technique for iris recognition system using ANN and CNN model as a cloud service
				Mr.Vinay B	2021	Development of a Secure Routing Algorithm Encompassing Context Awareness in Internet of Things
				Mr.Kushal Kumar B N	2021	Study of Development Approach in Cognitive Intrusion Detection System for Internet of Things
				Mrs.Pushpalatha G	2023	Harnessing Suricata IDS with Honeypot development threat Intelligence
				Mrs.Deepa K R	2023	Design and Development Novel Approach for occluded shape recognition in 3D Objects
				Mr.V.M.Saravana perumal	2019	High Secure expeditious transmission for image and video over 5G device to device communication
2	Dr.S.Jeyabalan	CSE	An Efficient computational model for analyzing cell signaling pathways using intelligent techniques	Nil	Nil	Nil


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3	Dr.A.K.Mariappan	CSE	A Prototype Meta search engine to enhance the quality of results pages using wordnet ontology	Nil	Nil	Nil
4	Dr. S. Usha	CSE	Investigation of misbehaving nodes in mobile Adhoc Networks	Mrs Rekha	2020	Enriching the life of Space Craft based on virtual sensors using Machine Learning algorithms
				Mr Kiran Gowda	2016	Hyper spectral Data spaces Analysis for Detection and Classification of Plantation/Vegetation Crops
				Mrs Pallavi.C.V	2017	Design and Development IoT based recommendation system for Farmers to enhance Crop Yield
				Mrs Bhagya Lakshmi. D	2017	Cloud based tracking of Blood Donor and Organ Donor Application
				Mrs Majida C V	2021	Futuristic Healthcare Applications based on Big data Analytics using novel algorithms
				Ms. Nisha Bai	2022	An Investigation on medical image content enrichment for diagnosis using improves unsupervised learning Process
5	Dr. C.S.Pillai	CSE	Design of Efficient Methodology for Image based Query Processing	Mr.Gopi Krishna T L	2019	Novel Framework To Implement Security And Mitigate Bandwidth Utilization In Cloud
				Mr.Sanjay Kumar	2020	An Efficient and Secure Data Transmission using Lightweight Symmetric Encryption Algorithm in IoT Devices
				Mr.Panchaxachaxari Mamadapur	2017	Advancing throughput through enhanced pilot based modulation in wireless network

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				Mrs.Snigdhakesh	2022	IntelliWeed: An AI-Driven Vision-Based Autonomous Robotic System for Sustainable Weed Detection and Non-Chemical Uprooting in Precision Agriculture
6	Dr. T. Kamal Raj	CSE	Development of Cluster Routing Protocol for power consumption in wsn using E-CAS	Mrs Sahana Gowda	2020	Challenges for Efficient Cold Storage Management for Agricultural Products
				Mrs.Yenugula Swapna	2020	Cluster- Based Routing By using Advanced iCSHS Algorithm for Efficient Energy Management
				Mrs. Pavithra	2022	Cross Model Explainable AI approaches for optimized osteoporosis Disease diagnosis
				Ms. Shalot Benvin	2022	Edge AI for real time video analytics in IOT surveillance
7	Dr. J. Amutha Raj	CSE	Design of Efficient and resilient content distribution network	Mr.Vinod Kumar	2017	Design of hybrid public key cryptographic algorithm for cloud security based on dynamic, reliable and rapid group key management mechanism
8	Dr. S. Vijayanand	CSE	An Effective compression Techniques using Segmented and Intra pixel based Multi-dimensional for images	Mrs.Aswini	2021	Development of Cluster Routing Protocol for Wireless Sensor Networks for Power Consumption using LEACH
9	Dr.Rajesh. KS	CSE	Design and Implementation of trusted secure routing	Mrs Kavitha.D	2021	Evaluating DSM Security Attach in 5G Networks using FUZZY Prediction Intervals


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			framework for dynamic wireless Ad-Hoc Network	Mr. Veeresh	2023	Design and Development of Energy Efficient Scheduling techniques for 3D Heterogeneous WSNs Based on Enhanced Mametic Algorithm
				Mr.Chidanandan.V	2023	Federated Learning based Internet of Vehicle IoEV Network Framework
				Kavyashree N	2023	Development of Efficient Algorithms for Masked Face Recognition using Advanced Deep learning Techniques
				Nandini N S	2023	Design and Implementation of Deep Learning Algorithms for the Classification and Prediction Acute Lymphoblastic Leukemia by using White blood Cells
10	Dr. D Siva Kumar	CSE	Performance Estimation of Modified COCOMO II Model Parameters for Software Projects Using Soft Computing Techniques	Mrs. Rajalekshmi. Jegadeesan	2022	Classification of breast cancer using machine learning and deep learning Techniques
				Mr. Mahendra Boopathy	2020	Internet of Things Plug and Play Secured Devices for Next Generation Smart Systems
				Monika Nag K J	2020	Computer Networking
				Mr.Dineshkumar M	2018	Design and Analysis of Decision Support System for Health care Process Improvement in chronic Disease using Data mining Technique
11	Dr.M. Selvi	CSE	Design and Developing a Multicast Routing Protocol for Link Failure and Reliable Dats Delivery	Mr. Sunil.A	2022	Simplified learning based diagnosis of covid nineteen form chest Xray

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12	Dr. D. Kirubha	CSE	A Study of QoS aware Video Streaming Methods for Surveillance applications	Mrs.Sophia	2022	An Investigation to Improve the performance for identifying Distinct frames over the video for limiting frame replication using ML Techniques.
13	Dr.Shashidhar V	CSE	An Efficient Method for Robust Recognition of Face Occlusion	Mr. Bharath B	2025	Artificial Intelligence in Biofeedback for Personalized Stress management
14	Dr. Srinivas Murthy V	CSE	An Innovative Solution to Improve and Test "Data Synchronization" between Client Mobile Application and the server	Nil	Nil	Nil
15	Dr.Mage Usha	CSE	Rate control logic to handle and test "The ask load spikes" on an overloaded Cloud System	Nil	Nil	Nil
16	Dr. T.Dharani	CSE	Multi Domain Image Retrieval System by using Machine Learning Techniques	Nil	Nil	Nil
17	Dr. T.Subburaj	CSE	Countermeasures on Network Traffics against DDoS attacks	Nil	Nil	Nil


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18	Dr. Prakash P.K	CSE	DSP based field oriented of three phase IM	NIL	NIL	NIL
19	Dr. B Hari Prasad	CSE	A study of different technologies for hacking websites	NIL	NIL	NIL
20	Dr. Muruganandham S K	CSE	Network lifetime maximizing using modern proficient algorithms in wireless sensor network	NIL	NIL	NIL
21	Dr. Ebby Darney	EEE	Performance enhancement in pmbldc motor using sepic and z -source inverter	Sincy E Kuruvilla	2023	Optimal Energy Management in Dc Microgrid with Optimized Machine Learning Classifier Based MPPT controller
		EEE	Performance enhancement in pmbldc motor using sepic and z -source inverter	Nandini N	2024	an Effective PV powered EV charging System Using Z Source modified ZETA converter with Optimization Approach
		EEE	Performance enhancement in pmbldc motor using sepic and z -source inverter	Avinash C M	2024	AI enhanced energy management system for electric vehicles using Hybrid power sources and BLDC motor Drive
22	Dr. Arul Jose	EEE	Certain investigation on half bridge licresonant dc dc converter employing intelligent controllers	Gayathri Devi G	2024	AI optimized control algorithms for enhanced speed and torque regulation of bldc motors in next generation electric vehicles


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23	Dr. Rangaiah L	ECE	Major issues in design of wireless communication system quality of service reliability-delay trade off in adhoc network frequency synchronsation for ofdm	Prasanna Kumar	2017	Design Implementation and validation of network on chip (NOC) for data encoding and decoding
		ECE	Major issues in design of wireless communication system quality of service reliability-delay trade off in adhoc network frequency synchronsation for ofdm	Jayan K George	2017	Weighting scheme based interference cancellation using adaptive cuckoo search optimization
		ECE	Major issues in design of wireless communication system quality of service reliability-delay trade off in adhoc network frequency synchronsation for ofdm	Haritha K S	2018	Secure and efficient design for minimizing energy maximizing life time of wireless sensor network
		ECE	Major issues in design of wireless communication system quality of service reliability-delay trade off in adhoc network frequency synchronsation for ofdm	Hamsa Rekha SD	2022	Wearable device for wireless body area network driven by artificial intelligence
		ECE	Major issues in design of wireless communication system quality of service reliability-delay trade off in adhoc network frequency synchronsation for ofdm	Supraja M	2024	Wireless Communication
24	Dr. A. Muruganandham	ECE	Modified spiht and fractal based efficient medical image coder	R. Gangadhar Reddy	2022	Improving the accessibility of speech used in broadcast media for an ageing population using multi- modal approach
		ECE	Modified spiht and fractal based efficient medical image coder	Karthikeyan R	2017	Improvisation of clinical diagnostic image quality using Logarithmic DWT with Enhanced particle swarm optimization Technique
		ECE	Modified spiht and fractal based efficient medical image coder	Lokesh K	2023	Glaucoma eye disease detection using Deep learning and modified classification technique implementation
		ECE	Modified spiht and fractal based efficient	Nagesh H B	2023	early detection and classification of parkinisions disease

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	Dr. A. Muruganandham	ECE	medical image coder Modified spihit and fractal based efficient medical image coder	Ajay M	2023	using progressive deep learning on radiological images Modified brain tumours segmentation based on the fusion of deep semantic and edge information in MRI using multispectral analysis of multi model images
25	Dr. Radhakrishna Kumshikar	ME	Characterization of woven hybrid bamboo and jute fiber reinforcement in epoxy composites	NIL	NIL	NIL
26	Dr. Thanuj Kumar	ME	Green composite from fabric reinforced natural rubber for high performance engineering application	NIL	NIL	NIL
27	Dr. Satheesha V	ME	Heat transfer and fluid flow	NIL	NIL	NIL
28	Dr. Karthikeyan M	ME	Industrial Engineering	NIL	NIL	NIL
29	Dr. Vishwanath K C	ME	Numerical investigation of the effect of elastic- plastic behavior around the notches under cyclic loading	NIL	NIL	NIL
30	Dr. N Sreenivasalu Reddy	ME	Solar energy	Vinay Kumar	2022	Study on Parabolic trough collector
31	Dr. Lakshmi BL	MBA	A study on assessment of relationship among corporate social Responsibility practices, Organisational Culture and ethics in Retail industry of Bangalore	NIL	NIL	NIL
32	Dr. C Ramesh	CIVIL	Fuzzy Reliability Analysis of Transmission line Towers	NIL	NIL	NIL
33	Dr. K. Aravinthan	CIVIL	Experimental Analysis of Earthquake Resistant Base Isolated Structures with Hybrid Spherical Roller	Ummer farooq pasha	2020	Analytical studies on performance of rc beams strengthen with various composite overlays


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34	Dr. Hari Prasad	S&H	Some studies on quartic and quintic splines with application to quadraure	NIL	NIL	NIL
35	Dr Sudhakara A	S&H	Novel approach towards the synthesis of Indoles	NIL	NIL	NIL
36	Dr Pruthviraj R D	S&H	Corrosion science	Vishwa prakash	2017	Corrosion characterization of aluminum based alloy
		S&H	Corrosion characterization of aluminum hybrid composites	Ramya D R	2017	Corrosion characterization of aluminum hybrid composites
37	Dr. Jobish Johns	S&H	Materials Science	NIL	NIL	NIL
38	Dr. KS Krishna Kumar	S&H	Materials Science	NIL	NIL	NIL
39	Dr. Hari Prasad	S&H	Some studies on quartic and quintic splines with application to quadraure	NIL	NIL	NIL


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