KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

SCHOLARS PURSUING PH.D AT KCET RESEARCH CENTRE

DEPARTMENT	RESEARCH SCHOLARS COUNT	CATEGORY
ELECTRICAL AND ELECTRONICS ENGINEERING	13	Part Time
	1	Full Time
ELECTRONICS AND COMMUNICATION ENGINEERING	7	Part Time
	1	Full Time
MECHANICAL ENGINEERING	8	Part Time
COMPUTER SCIENCE ENGINEERING	10	Part Time
BIOTECHNOLOGY	8	Part Time
	4	Full Time
CIVIL ENGINEERING	1	Part Time
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	7	Part Time
	1	Full Time
INFORMATION TECHNOLOGY	7	Part Time
MATHEMATICS	1	Part Time
MECHATRONICS ENGINEERING	1	Full Time
TOTAL	**70 Ph. D Scholars** **62 (Part Time) + 8 (Full Time)**	

S. No.	Name of the Supervisor	Name of the Research Scholar	Internal / External	Affiliation (Designation, Department and College)	Research Title	Category (Full time/Part time)	Date of Registration	Date of Confirmation
1	Dr. B. Gurukarthik Babu Associate Professor, Department of Electrical and Electronics Engineering	Mr.V Petchithai	External	Assistant Professor, Department of Electrical and Electronics Engineering, Thiagarajar College of Engineering, Madurai	Certain Investigations on the Performance Enhancement of Renewable Energy Systems	Part time	11-Jul-24	12-Feb-26
2	Dr. B. Gurukarthik Babu Associate Professor, Department of Electrical and Electronics Engineering	Ms.K. Mari Sudha	External	Assistant Professor, Department of Electrical and Electronics Engineering,, PSR College of Engineering, Sivakasi	Performance Enhancement of Renewable Energy Systems	Part time	25-Jan-25	-
3	Dr. B. Gurukarthik Babu Associate Professor,	Mr.R. Muthu Eshwaran	External	Assistant Professor, Department of	Performance Analysis of Renewable Energy Systems using	Part time	26-Dec-23	07-Feb-26

	Department of Electrical and Electronics Engineering			Electrical and Electronics Engineering,, Ramco Institute of Technology, Rajapalayam	Machine Learning			
4	Dr. B. Gurukarthik Babu Associate Professor, Department of Electrical and Electronics Engineering	Mr.S Selvakumar	External	Assistant Professor, Department of Electrical and Electronics Engineering,, Unnamalai Institute of Technology, Kovilpatti	Studies on polymer composites for solar thermal applications	Part time	01-Jan-22	27-Jun-23
5	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Mr.A Guna	External	Lecturer, Sankar Polytechnic College, Tirunelveli	Perfomance Enhancement of Electrical System by Implementing Effective Energy Management Strategies	Part time	14-Jul-23	28-Apr-25
6	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Mr.P Aravind	Internal	Assistant Professor, Department of Electronics and Communication Engineering,	Design and development of sustainable technologies for renewable energy systems	Part time	8-Jul-22	25-Mar-24

				Kamaraj College of Engineering and Technology, Virudhunagar				
7	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Ms.J. Uma Maheswari	Internal	Assistant Professor, Department of Electrical and Electronics Engineering	Advanced Energy Management and Conservation Strategies for Renewable Energy Systems	Part time	25-Dec-25	-
8	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Mr.A Arul Kumar	Internal	Assistant Professor, /Department of Mechatronics Engineering	Performance Analysis of Renewable and Distributed Energy Systems	Part time	3-Mar-19	15-Mar-23
9	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Ms S.Kalai Vani	Internal	Department of Electrical and Electronics Engineering,	Design and development o f new technologies for enhanced efficiency and reliability in renewable energy systems	Full time	29-Dec-25	-
10	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Ms.V. Jansi Rani	External	Assistant Professor Department of Electrical and Electronics Engineering, Sree	Next Generation Microgrids: A framework for Sustainable Operation through Advanced Renewable Energy	Part time	30-Jul-26	-

				Sowdambika College of Engineering, Aruppukottai	Systems			
11	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Ms.G. Nivetha	Internal	Assistant Professor /Department of Information and Technology	Intelligent control and optimization of renewable energy system	Part time	20-Dec-25	-
12	Dr. D. Prince Winston Professor, Department of Electrical and Electronics Engineering	Ms. G A Muthuchelvi	Internal	Assistant Professor / Department of Computer Science and Engineering	Quantum intelligent frame work for enhanced control of renewable energy systems	Part time	6-Jan-26	-
13	Dr. G. Sakthivel Assistant Professor, Department of Electrical and Electronics Engineering	Mr.G Praveen Kumar	Internal	Assistant Professor / Department of Computer Science and Engineering	Machine Learning and Big Data Analytics	Part time	1-Jan-24	-
14	Dr. G. Sakthivel Assistant Professor, Department of Electrical and Electronics Engineering	Mr.M Petchimuthu	External	Assistant Professor, Department of Electrical and Electronics Engineering, S. Veerachamy Chettiar College	Artificial Intelligence Based Fault Detection and Diagnosis in Solar PV System for Enhanced Reliability and Performance Optimization	Part time	30-Dec-25	-

				of Engineering and Technology, Puliyankudi				
15	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	Mr.R.Muthukumaran	External	Professional Assistant I, Centre of Affiliation of Institution, Anna University, Chennai	Enhancement of data security in cloud environment	FullTime	19.01.2018	19/1/2019
16	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	Mr.B.Muthukrishna Vinayagam	Internal	Assistant Professor, Department of Department of Computer Science and Engineering	Crack defect Identification using image processing	Part Time	06.07.2019	30/8/2023
17	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	Mr.S.Alwyn Rajiv	Internal	Assistant Professor, Department of Electronics and Communication Engineering	Enhance the performance of High Secure Cryptosystem in IoT Devices	Part Time	22.12.2019	26/07/2023
18	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	Ms.P.Ramalakshmi	Internal	Assistant Professor Department of Electronics and Communication	5G Implementation of RF circuits	Part Time	21.12.2019	24/1/2024

				Engineering				
19	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	Mr. S.Wesley Moses Samdoss	Internal	Assistant Professor, Electronics and Communication Engineering	Drone assisted seed dibbling mechanism using deep learning techniques for precision agriculture in diverse terrains	Part Time	22.01.2021	2/2/2024
20	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	.Mr.K.Muthulakshmi	Internal	Assistant Professor, Electronics and Communication Engineering	An experimental study on various video summarization techniques for improving the technical content in videos	Part Time	03.11.2020	27/02/2024
21	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication Engineering	Ms..M.Stella Mercy	External	Assistant Professor, Electronics and Communication Engineering, Sri Venkateswara College of Engineering	Flexible Inter-Operator Spectrum sharing for 5G Wireless Communication Systems	Part Time	16.02.2016	Waiting for Thesis Comments
22	Dr.R.Suresh Babu Professor/ Department of Electronics and Communication	Ms.P.Muthumari	Internal	Assistant Professor, Electronics and Communication	Developing an iot-driven energy management system for real time carbon	Part Time	19.12.2025	Course work in Progress

	Engineering			Engineering	footprint reduction and sustainable production planning			
23	Dr.S.Senthil Professor/ Department of Mechanical Engineering	Mr.T.Hari Prasath	Internal	Assistant Professor, Department of Electrical and Electronics Engineering	Investigation of flash powered mixture with suitable floral seed powder	Part time	1/1/2023	10.10.2025
24	Dr.S.Thanga Kasi Rajan Associate Professor/ Department of Mechanical Engineering	Mr.C.Balaguru	External	Assistant Professor / Department of Mechanical Engineering, Vaigai College of Engineering, Madurai	A study on effect of optimum process parameters of 3d printed biodegradable composites reinforced with pla	Part time	12/7/2024	20-03-2026
25	Dr.S.Thanga Kasi Rajan Associate Professor/ Department of Mechanical Engineering	Mr.S.Ajithkumar	External	Assistant Professor/ Mech, Info Institute of Engineering, Coimbatore	Machine learning models f or process control - material performance and defect detection in additive manufacturing of 3d printed polymer composite materials	Part time	3/2/2025	-

26	Dr.S.Thanga Kasi Rajan Associate Professor/ Department of Mechanical Engineering	Mrs.V.Sarumathi	External	Assistant Professor/ Electronics and Communication Engineering SRM Madurai College of Engineering and Technology, Madurai	Development of deep lear ning framework and defect reduction of recycled pla composites in fused deposition modelling process	Part time	18-08-2025	-
27	Dr.P.Narayanasamy Associate Professor/ Department of Mechanical Engineering	Mr.R.Siddharthan	External	Assistant Professor/ Department of Mechanical Engineering JP College of Engineering, Tenkasi	Experimental investigation of wire arc additive manufacturing of aluminium alloy	Part time	29-09-2021	04-08-2025
28	Dr.B.Balavairavan Associate Professor/ Department of Mechanical Engineering	Mr.M.Senthil Kumar	External	Assistant Professor/ Department of Mechanical Engineering, SCAD College of Engineering and Technology, Tirunelveli	Advance green manufactu ring: 3d-printed natural fiber reinforced biopolymer composites for sustainable packaging and mobility	Part time	18-08-2025	01-10-2026

29	Dr.B.Balavairavan Associate Professor/ Department of Mechanical Engineering	Mrs.K.Buvaneswari	External	Assistant Professor/ Department of Mechanical Engineering h, SCAD College of Engineering and Technology, Tirunelveli	Statistical modelling and optimization of biofilm properties for packaging applications using taguchi regression analysis	Part time	18-08-2025	01-10-2026
30	Dr. P. Narayanasamy Associate Professor/ Department of Mechanical Engineering	Mr. A. Ganesan	Internal	Assistant Professor/ Department of Mechatronics Engineering, Kamaraj College of Engineering and Technology	Development and thermal characterization of nano particle enhanced phase change ,aterials for solar thermal energy storage applications	Part Time	26.10.2026	-
31	Dr.G.Uma Maheswari Associate Professor/ Department of Computer Science and Engineering	Mrs.V.Sangeetha	External	Assistant Professor, Department of ADS, SRM Easwari Engineering College, Chennai	Investigation of Machine Learning Algorithms by Mitigating the Security Threats in Social Media Applications	Part Time	15-07-2024	26-12-2025
32	Dr.G.Uma Maheswari Associate Professor/ Department of Computer Science and Engineering	Ms.S.Yashmin	External	Assistant Professor, Department of Computer Science and	Ai based computer aided diagnostic method for lung cancer	Part Time		Confirmation Completed

				Engineering, FX Engineering College, Tirunelveli				
33	Dr.G.Uma Maheswari Associate Professor/ Department of Computer Science and Engineering	Ms.A.Nishan	External	Assistant Professor, Department of Information and Technology FX Engineering College, Tirunelveli	Detection and classification of brain tumor using deep learning on mr images	Part Time		Confirmation completed
34	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mrs.M.Mohana	Internal	Assistant Professor, Department of Computer Science and Engineering	Towards Improving The Performance Of Data Hiding Using Deep Learning Techniques	Part time	12.07.2024	
35	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mrs.K. Priyadharshini	Internal	Assistant Professor, Department of Computer Science and Engineering	Effective Prediction And Detection Of Breast Cancer Using Deep Learnin	Part time	12.07.2024	
36	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mrs.K.Indumathi	External	Assistant Professor, Department of Artificial Intelligence and	Zero Short Learning Using Machine Learning And Deep Learning	Part time	31-01-2025	

				Data Science, Mepco Schlenk Engineering College, Sivakasi				
37	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mrs.R.Indhuja	External	Assistant Professor, Department of Computer Science and Engineering, Mepco Schlenk Engineering College, Sivakasi	Graph Neural Network Approach In Social Networks	Part time	2-Mar	
38	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mrs.K.Leelarani	Internal	Assistant Professor, Department of Computer Science and Engineering	SLM Based Precision Irrigation System For Resource Constrained Farms	Part time	03.02.2025	
39	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mrs.T.Divya	Internal	Assistant Professor, Department of Computer Science and Engineering	LLM Based Multilingual Fake News Detection System	Part time	03.02.2025	
40	Dr A Meenakshi Professor/ Department of Computer Science and Engineering	Mr.G.Rohini Priya	Internal	Assistant Professor, Department of Computer	Weather prediction from satellite images with generative adversarial network	Part time	14-08-2025	

				Science and Engineering				
41	Dr. R.Shyam Kumar Professor/ Department of BioTechnology	Ms. R.Amutha Lakshmi	Internal	Assistant Professor, Biotechnology	Extraction, characterization and applications of exopolysaccharide from cyanobacterial species of cyanolichens	Part Time	3/1/2019	
42	Dr. R.Shyam Kumar Professor/BioTechnology	Mr.Rajadurai Jesudoos R.P	External	Department of Biotechnology	Extraction of polysaccharides from red algae and development of edible biofilms and its application in food processing	Full Time	4/8/2022	
43	Dr. R.Shyam Kumar Professor/ Department of BioTechnology	Ms. Lakshmi Praba. S	External	The Head, Biotechnology, Roever Engineering College, Perambalur	Biodiesel production from non-edible seed oil using heterogenous catalyst	Part Time	18-08-2022	
44	Dr K.Geetha Professor/ Department of BioTechnology	Ms A. Ganga	Internal	Assistant Professor, Biotechnology	Biosynthetic nanoparticle production, characterization and its pharmaceutical	Part Time	11.01.2019	

					implications in the treatment of chronic rhinosinusitis			
45	Dr K.Geetha Professor/ Department of BioTechnology	Ms.K.Shalini	External	Assistant Professor, Biotechnology, P.S.R.College of Engineering, Sivakasi	Process development for microbial remediation of heavy metals from industry effluent	Part Time	09.06.2022	
46	Dr K.Geetha Professor/ Department of BioTechnology	Ms.R.Subashini	External	Assistant Professor, Biotechnology, P.S.R.College of Engineering, Sivakasi	Bioprocess development of microbial degradation of azo dyes from dye industry effluent	Part Time	09.06.2022	
47	Dr K.Geetha Professor/ Department of BioTechnology	Er.P. Ponkarthi keyan	Internal	Assistant Professor, Department of Civil Engineering,	Machine learning based Modeling of urban air pollution using meteorological and environmental parameters	Part Time	23.10.2026	
48	Dr.S.Karthikumar Associate Professor/ Department of BioTechnology	Mr.Karl J Samuel	Internal	Assistant Professor, Biotechnology	Investigation of algal species for the bioremediation of industrial effluents by biosorption and biodiesel production	Part Time	07.02.2022	

49	Dr.S.Karthikumar Associate Professor/ Department of BioTechnology	Ms.Jemima Romola	Internal	Full Time Research Scholar, Department of Biotechnology	Production, extraction and enhancement of structural and functional properties of c-phycocyanin from spirulina plantensis and its applications	Full Time	28-06-2022	
50	Dr.R.Baskaran Associate Professor/ Department of BioTechnology	Ms.R.Raja Rajesweri	Internal	Assistant Professor, Biotechnology	Engineering poly(levulinic acid-co-itaconic acid)/zirconium nano composites: a study on green synthesis, multifunctionality, and application potentia	Part Time	20-08-2025	
51	Dr.S.Karthikumar Associate Professor/ Department of BioTechnology	Ms.Sathya Priya	Internal	Research Scholar, Department of Biotechnology	Screening and bio process optimization of fresh water micro algae from southern states of indian regions for accelerated carbon sequestration	Full Time	24-12-2025	
52	Dr.S.Karthikumar Associate Professor/ Department of BioTechnology	Ms.V.Sasirekha	Internal	Department of Biotechnology	Bioprospecting algal bioa ctive metabolites for the development of reinforced functional biocomposites for biomedical, food and agricultural	Full Time	21-12-2025	

					applications			
53	Dr.P.Ganesh prabhu Associate Professor/ Department of Civil Engineering	Mr.K.Hariharan	Internal	Assistant Professor, Department of Civil Engineering	Development and Performance Evaluation of Self-Curing Concrete Incorporating Diatomaceous Earth and Steel Mill Scale	Part time	25.01.2025	
54	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Mr.Raj Kannan C	Internal	Assistant Professor, Department of Information Technology	Clustering and Routing Optimization in Vehicular Ad-Hoc Networks (VANET) with Multi Metric Considerations	Part Time	July-24	
55	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Mr.Ram Ganesh G H	Internal	Assistant Professor, Department of Information Technology	Enhancing Chronic Kidney Disease Prediction through Integrated Imaging and Deep Learning Models	Part Time	July-24	
56	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Mrs.Mahalakshmi P	Internal	Assistant Professor, Department of Information Technology	A Novel Approach for Fetal Biometry Analysis with Enhanced Segmentation	Part Time	July-24	

57	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Mrs.Saranya Priyadharshini R	Internal	Assistant Professor, Department of Information Technology	Gastrointestinal Bleeding Detection in Wireless Capsule Endoscopy Images: A Hybrid Inception-Resnet Approach with Cuckoo Search Optimization	Part Time	July-24	
58	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Ms.S. Archana Devi	Internal	Assistant Professor, Department of Information Technology	Challenges and management of log4jshell threads in cyber security breaches in companies leading to open source customer problem in supply chain	Part time	January-25	
59	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Mr.K.Satheesh Kumar	External	Assistant Professor, Department of Computer Science and Engineering, University College of Engineering, Thirukkuvalai, Nagapattinam	AI-Based Intrusion Detection Systems for Cybersecurity in Cloud Networks Using Machine Learning	Part Time	July-25	

60	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Mr.S.Sundararajan	External	Teaching Fellow - CSE, University College of Engg. Panruti	Brain Tumor Detection and Classification Using Deep Learning	Part Time	July-25	
61	Dr.R.Aghila Professor/ Department of Artificial Intelligence and Data Science	Ms.K.Kalpana	External	-	Data Mining and Data Warehousing for Supply Chain Management	Full Time	July-25	
62	Dr. R. Muthuselvi Professor/ Department of Information Technology	Mr.D.Asir	Internal	Assistant Professor, Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, Virudhunagar	Machine Learning For Rural Education Equity With Adaptive Learning Systems Tailored To Local Needs	Part time	24-Jul	26.12.2025
63	Dr. R. Muthuselvi Professor/ / Department of Information Technology	Mrs.X.Ignatius Selvarani	Internal	Assistant Professor, Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology,	“Investigation Of Techniques To Improve The Robustness Of Transfer Learning Models In Natural	Part time	24-Jul	19.01.2026

				Virudhunagar				
64	Dr. R. Muthuselvi Professor/ Department of Information Technology	Mrs.C.Manjula Devi	External	Assistant Professor / Department of Information Technology, Velammal College of Engineering and Technology, Madurai	Language Processing (NLP)	Part time	24-Jul	10.12.2025
65	Dr. R. Muthuselvi Professor/ / Department of Information Technology	Mrs.S.Uma Maheswari	External	Assistant Professor, Department of Computer Science and Engineering Francis Xavier Engineering College, Tirunelveli	Smart Healthcare	Part time	24-Jan	27.02.2026
66	Dr. R. Muthuselvi Professor/ / Department of Information Technology	Mrs.A.Nadi priya	External	Assistant Professor, School of Computer Science, Nadar Saraswathi	Suitability Study Of Machine Learning Enabled Routing Algorithm For Heterogeneous Wsn In	Part time	25-Jan	-

				College of Arts and Science,Theni	Iot Based			
67	Dr. R. Muthuselvi Professor/ / Department of Information Technology	Mr.S.Ganesh Kumar	External	Assistant Professor, Department of Computer Science and Engineering, Sree Sowdambika College of Engineering, Aruppukottai	Intelligent Tutoring System With Deep Learning: Predicting Student Struggles And Providing Targeted Assistance	Part time	25-Jul	-
68	Dr. R. Muthuselvi Professor/ / Department of Information Technology	Ms. P. Sudha	Internal	Assistant Professor, Department of Information Technology, Kamaraj College of Engineering and Technology, Virudhunagar	AI-Driven Multimodal Soil Intelligence Framework: Integrating Deep Learning for Prediction, Edge Forecasting, Explainability and Generalization Across Regions	Part time	26-Jan	-
69	Dr. N. Kamatchi Associate Professor Department of Mathematics	Mr S.Sivabalan	External	Assistant Professor Department of Mathematics National Engg	A study on vertex magic graphs of some groups	Part time	24.12.2025	

				College Kovilpatti				
70	Dr. P. Balasundar Professor/ Department of Mechatronics	Mrs. R. Devadharshini	Full time	Research Scholar, Department of Mechatronics Engineering, Kamaraj College of Engineering and Technology	Optimization and Microstructural Analysis of Friction Stir Welding in Dissimilar Steel-Magnesium Joints using DoE, Machine Learning and Simulation	Full time	Jan-26	-