



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)


(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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Faculty Profile

Full name with Qualification, Designation and Department: Dr. G.Kannayeram ,B.E., M.E.E., Ph.D., Associate Professor, Electrical and Electronics Engineering					
Date of birth	:	10-03-1976	Gender	:	Male
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	No:39 X Block, Kamarajar Street, Kovaipudur, Coimbatore- 641042	Permanent address	:	No;K6, Vakkil Street, Indhira Thottam, Kovilpatti-5628 501 Thoothukudi District.
Mobile no	:	9443034130	e-mail (official)	:	Kannayeram.eee@srit.org
Landline	:	04222434130	e-mail (personal)	:	g.kannayeram@gmail.com
Date of joining	:	06.06.2022	Post of joining	:	Associate Professor
No of promotions since D.O.J	:	-	Present post	:	Associate Professor
Present pay scale	:	Rs.43,164	Gross pay	:	Rs. 65,257/-
Employer ID	:	TE424	Bank account No. (Salary credited)	:	976813494
P.F. No	:	CBE/56764/10941	Group Insurance No	:	
PAN Number	:	ALEPK0966A	Aadhar Number	:	233432008856
AICTE ID	:	1-455253275	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Electrical and Electronics Engineering	1998	National Engineering College	Mananmaniam Sundaranar	First
PG	Power Systems	2007	Jadavpur University	Jadavpur University	First
Ph.D	Electrical Engineering	2018	Thiagarajar College of Engineering	Anna university, Chennai	First
Others					

Registration for Ph.D. with area of interest:

Tuning of UPFC controllers using Evolutionary algorithms

Year of Ph.D. Registration: 2010

Year of Ph.D. Completed: 2018

Thesis Title: Multi-objective optimal Robust damping controller for Unified Power Flow Controller (UPFC) using Evolutionary Algorithms.

Supervisor Recognition Number: 3530001

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status
1.	Mr.S.Vigneshwaran	22143891147	Saranathan College of Engineering, Trichy	Course works completed

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Balaji	Lecturer	1-08-2000	8-6-2001		10	8

Chokkalingam College of Engineering, Arni						
National Engineering College, Kovilpatti	Lecturer	11.06.2001	31.05.2008	6	11	20
National Engineering College, Kovilpatti	Senior Lecturer	01.06.2008	31.10.2011	3	4	30
National Engineering College, Kovilpatti ⁶	Assistant Professor (Sr.Grade)	01.11.2011	04.06.2022	10	7	03
Total				21	10	0

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Golden Rock workshop, Southern Railway	Apprentice Trainee	Electrical Apprentice	7-6-1999	8-7-2000	1	0	0
R.S.Karunakaran Pillai, Electrical Contractor, Kovilpatti	Electrical Supervisor	Supervisor	01-05-1998	6-6-1999	1	1	5
Total					2	1	5

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2022-2023	VII	UEEC012	UEEC012 Protection and Switchgear	T	95
2022-2023	V	20EEE04	20EEE04 Renewable Energy Systems	T	100
2022-2023	I	20EEG01	20EEG01 Basic Electrical and Electronics Engineering	T	61.3
2022-2023	VI	20EE019	20EE019 Power System	T	80

			Operation and Control		
2022-2023	II	20EE001	20EE001 Electric Circuit Analysis	T	78.26

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-23	VIII	Smart Environmental monitoring system using LORAWAN for Underground parking	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	22	-
Conferences	19	-

Journal Publications (IEEE format)

1. G .Kannayeram, R.Muniraj, R.Saravanan, "Impacts of electric vehicle charging station with the integration of renewable energy with grid connected system: a hybrid technique' **Journal of Clean Technologies and Environmental Policy**,25(7), 1-18, 2022
2. P Rajesh, Francis H Shajin, G Kannayeram "A novel intelligent technique for energy management in smart home using internet of thing" i **Applied Soft Computing**, 109442,2022.
3. Ganapathia Pillai Kannayeram, Rathinam Muniraj, Nattanmai Balasubramanian Prakash, Thankaswamy Jarin, Sivadhas Rosejanet Boselin Prabhu , "An elitist control scheme for power flow management in smart grid system: a hybrid optimization scheme", **Energy Sources, Part A: Recovery, Utilization, and Environmental Effects**, 1-22, 2022
4. Ragavan Saravanan, Ganapathia Pillai Kannayeram, Rathinam Muniraj," Mitigating unbalance and improving voltage considering higher penetration of EVs and DG using hybrid optimization technique", 31,(11),2021

5. Alagar Karthick and M. Muhibbullah S. Sankar Ganesh, G. Kannayeram, "A Novel Context Aware Joint Segmentation and Classification Framework for Glaucoma Detection", Computational and Mathematical methods in Medicine, 1-15, 2021
6. G Kannayeram, NB Prakash, R Muniraj, "Intelligent hybrid controller for power flow management of PV/battery/FC/SC system in smart grid applications," international journal of hydrogen energy, 45(41), 21779-21795, 2021.
7. G Arun, R Arunkumar, K Krishnakumar, P Muthupattan, G Kannayeram, K Karthik Kumar, "High efficient solar integrated an isolated DC-DC full-bridge converter for electric vehicle battery charging application" nt. J. Innov. Technol. Explor. Eng ,9(4), 432-437, 2020
8. Kannayeram G, Prakash NB, Muniraj R, T.Sivakumar, "Optimal Tuning Of UPFC Damping Controller Using Single And Multi-Objective Evolutionary Algorithms," INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH,8(10), 3031-3037, 2019.
9. G.Kannayeram, Megala V, Prakash NB, Muniraj R, B.Sundar, "Assessment of NR/EPDM Blend Ratio using Graphical Method" International Journal of Innovative Technology and Exploring Engineering (IJITEE),8(12), 2358-2362, 2019.
10. G Kannayeram, NB Prakash, R Muniraj, Mr Rajesh NB, "Optimal Tuning of UPFC Damping Controller in Solar Penetrated Power System using DBCSO", Sylwan Journal, 163(11), 40-51, 2019.
11. G Kannayeram, NB Prakash, R Muniraj, B Sundar, "Optimal Blending of Polymeric Materials for Power Transmission Cable Insulation using CHAOTIC PSO and GA—A Case Study," Sylwan Journal, 163(11), 52-63, 2019.
12. Prakash NB Ayyakrishnan M., Saravanan R, Kannayeram.G, "Fast recovery switching fault tolerant control schemes for four switch voltage source inverters, Sylwan Journal, 163(11), 29-39, 2019.

1. G. Kannayeram S Maharani, "Flashover performance of an AC insulator under various uniform and FSNU contamination conditions", International Mobile and Embedded Technology 2022
2. G Kannayeram, NB Prakash, P Eswari Prabha, RK Gobiga," Damping of Low Frequency Oscillations Using Controllability Measures of UPFC," 2019 International Conference on Recent Advances in Energy-efficient Computing and Communication (ICRAECC), IEEE ,2019. conference

Books / Book Chapters (IEEE format)

1. R.Shalini, PS Manoharan, N.Kumarasabathy, G.Kannayeram," Strategy for Charging of Battery and Super capacitor Combined Storage System" Intelligent Communication Technologies and Virtual Mobile Networks pp 839–847, 2023, Springer Scopus indexed book chapter.
- 2.G Kannayeram, M Madhumitha, S Mahalakshmi, P Menaga Devi, K Monika, NB Prakash," Smart Environmental Monitoring Using LoRaWAN, "International Conference on Communication, Devices and Computing, 513-520, Springer nature book chapter.
3. G Kannayeram, PS Manoharan, NB Prakash, T Sivakumar, R Saravanan," Robust Optimal Tuning of UPFC Using Single Objective Optimization Algorithm", ntelligent Paradigms for Smart Grid and Renewable Energy Systems,27-38,2021, Springer Scopus indexed book chapter..

Sponsored Research : Nil

Project Title	Funding Agency	Amount Rs.	Duration
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Consultancy : Nil

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year

Workshops / Seminars attended :

Faculty Development Program attended (from recent)

S.No	Title	Period	No. of Participants	venue

1	Techniques in Power System Operation and Control	05.12.2022 to 09.12.2022 (1 week Online FDP)	30	GCT , Coimbatore
2.	Electrical Power systems design and analysis using ETAP	24 th January to 3 rd February 2022	50	MSME, Agra
3.	Modern Power system optimization techniques, tools and Applications one week STTP	May 3 rd to May 7 th 2021	100	NIT,Trichy
4.	Electric Vehicles: New Trends and Technologies one week FDP	22 nd to 26 th June 2020	200	ABES Engineering College, Gaziabad
5.	Intelligent Controllers for Renewable Energy systems	02.06.20 & 03.06.20	100	P.S.R Engineering College, Sivakasi

Events Organized (from recent)

S.No	Title	Period	No. of Participants	venue
1	Student National level symposium, Flashover 2K23.	February 11,2022	200	SRIT

Conference

S.No	Title	Period	No. of Participants	venue
1	ELCON'10	March 14, 2010	40	National Engineering College, Kovilpatti
2	ELCON'11	March 13, 2011	40	National Engineering College, Kovilpatti
3	EMESYNEC'12	February 17&2012	60	National Engineering College, Kovilpatti

4	ELCON'12	March 30, 2012	50	National Engineering College, Kovilpatti
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FDP : Nil

Workshops

S.No	Title	Period	No. of Participants	venue
1	How to conduct Effective Research”	23-12-2022	50	SRIT
2.	Interfacing LORAWAN for Real world applications”	20-01-2023	30	SRIT
3.	Hands on training in “Electrical maintenance equipments” for finalyear EEE students	One day Workshop19-3-2018	50	National Engineering College, Kovilpatti
4.	Matlab workshop on Transmission and Distribution	2015- 2016 (ODD semester)	22	National Engineering College, Kovilpatti

Seminars

S.No	Title	Period	No. of Participants	venue
1	ACSGS'15 MNRE sponsored 2days Seminar	January 9 th &10 th 2015	30	National Engineering College, Kovilpatti
2.	ALTANZIA 2K14	March 10 th &11 th 2014	100	National Engineering College, Kovilpatti
3	ELECTRISCHIE2K13	October 3 rd ,2013	100	National Engineering College, Kovilpatti

Online Courses Completed

Sl. No.	Title	Platform
1.	Introduction to Research	NPTEL
2.	Smart Grid	NPTEL

3.	Power system Engineering	NPTEL
4.	Power system Protection and Switchgear	NPTEL

Awards and Recognitions Secured : Nil

Self-appraisal

Major Strengths: 1. Able to work with any team

2. To publish papers in Good SCI and Scopus indexed Journals

3. To do the innovative projects along with students

Major Weakness :

1. Collect the data from others little difficult

Signature