



SRIRAMAKRISHNA INSTITUTE OF TECHNOLOGY
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Ph.D Supervisor Details

1. Name of the Faculty:	Dr.G.KANNAYERAM
2. Designation:	Associate Professor
3. Department:	Electrical and Electronics Engineering
4. Anna University Ref. No. for Supervisor Recognition:	3530002
5. Title of Ph.D. Thesis:	Multi-objective optimal Robust damping controller for Unified Power Flow Controller using Evolutionary Algorithms
6. Faculty in which PhD was awarded:	Electrical Engineering
7. Area of Specialization in Ph.D:	Power Systems
8. Year of Ph.D Completion:	2018
9. Year of got Supervisor Recognition:	2019



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10. List of Journals papers published:

Sl. No.	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume, Issue no & Year of Publication	ISSN No.	DOI No.
1.	Murugan Natarajan, Vigneshwaran Basharan, Kannayeram Ganapathiya Pillai, Maheswari Ramasamy Velayutham, Willjuice Iruthayarajan Maria Silluvairaj	Analysis of Stress Control on 33kV Non-Ceramic Insulators using FEM	Electric Power System & Components	https://www.tandfonline.com/doi/abs/10.1080/15325008.2014.994242	Vol.43, No.5. pp. 566-577&2015	1532-5008	https://doi.org/10.1080/15325008.2014.994242
2.	G. Kannayeram, PS. Manoharan, M. Willjuice Iruthayarajan, T. Sivakumar	UPFC damping controller design using multi-objective evolutionary algorithms	International Journal of Business Intelligence and Data Mining	https://www.inderscienceonline.com/doi/abs/10.1504/IJBIDM.2018.088425	vol. 12, no. 2, pp. 514-537, 2018	1743-8187	https://doi.org/10.1504/IJBIDM.2018.088425
3.	G. Kannayeram, PS. Manoharan NB. Prakash	PI-tuned UPFC damping controllers design for multi-machine power system	Journal of Measurements in Engineering	https://www.extrica.com/article/19898	Vol. 6, No. 2, pp. 81-92, 2018	2335-2124	https://doi.org/10.21595/jme.2018.19898



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4	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	https://www.sciencedirect.com/science/article/abs/pii/S0360319920319510	Volume 45, Issue 41, 21 August 2020, Pages 21779- 21795	0360- 3199	https://doi.org/10.1016/j.ijhydene.2020.05.149
5	S. Sankar Ganesh, G. Kannayeram, Alagar Karthick and M. Muhibbullah	A Novel Context Aware Joint Segmentation and Classification Framework for Glaucoma Detection	Computational and Mathematical methods in Medicine	https://pubmed.ncbi.nlm.nih.gov/34777561/	2021 Nov 5:2021:2921737 .	1748- 670X	https://doi.org/10.1155/2021/2921737
6	Ragavan Saravanan, Ganapathia Pillai Kannayeram, Rathinam Muniraj	Mitigating unbalance and improving voltage considering higher penetration of EVs and DG using hybrid optimization technique	International Transactions on Electrical Energy Systems	https://onlinelibrary.wiley.com/doi/abs/10.1002/2050-7038.13119	Vol.31, Issue.11, November 2021	2050- 7038	https://doi.org/10.1002/2050-7038.13119
7.	Ganapathia Pillai Kannayeram, Rathinam Muniraj, Nattanmai Balasubramanian Prakash, Thankaswamy Jarin, Sivadhas	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	https://www.tandfonline.com/doi/abs/10.1080/15567036.2021.2001118	2021/12/29	1556- 7036	https://doi.org/10.1080/15567036.2021.2001118



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	Rosejanet Boselin Prabhu						
8.	P Rajesh, Francis H Shajin, G Kannayeram	A novel intelligent technique for energy management in smart home using internet of things	Applied Soft Computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494622005622	Vol.128 , October 2022	1568-4946	https://doi.org/10.1016/j.asoc.2022.109442
9.	<u>Ganapathiapillai Kannayeram,</u> <u>Rathinam Muniraj & Ragavan Saravanan</u>	Impacts of electric vehicle charging station with the integration of renewable energy with grid connected system: a hybrid technique	Clean Technologies and Environmental Policy	https://link.springer.com/article/10.1007/s10098-023-02548-6#citeas	25 , 2433–2450 (2023).	1618-954X	https://doi.org/10.1007/s10098-023-02548-6
10.	Rathinam Muniraj, <u>Ganapathiapillai Kannayeram,</u> <u>Ragavan Saravanan</u>	Non-linear hydraulic system (MIMO) plant for optimal control and identification by hybrid BCMO-RERNN strategy	International Journal of Heavy Vehicle Systems	https://www.inderscience.com/info/inarticle.php?articleid=138404	Vol. 31, No. 3, 2024.	1741-5152, 1744-232X	https://dx.doi.org/10.1504/IJHVS.2024.138404



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11. Ph.D Research Scholars Details:

Sl.No	Reg. No	Name	Faculty	Reg. Year	Present Status	If completed, Year of Completion	Title of Thesis	No. of Journals Published	Thesis Copy*
1.	22143891147	Mr.S.Vigneshwaran	Electrical Engineering	2022	Course works completed	-	-	-	-