

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D. (Power Systems)	National Institute of Technology Warangal.	Jan 2018	NA	Thesis: Optimal Planning of Distributed Generations in Distribution Network and Frequency Control of Micro grid using Meta-Heuristic Algorithms
M.E	College of Engineering Guindy, Anna University, Chennai	2012	First class with Distinction	Power Systems Engineering
B. E.	Krishnasamy College of Engineering and Technology, Cuddalore, Anna university, Chennai	2010	First class with Distinction	Electrical and Electronics Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
NBA committee member	Department	25-08-2020	30-06-2021
Class Committee Chairperson for B. Tech. IV year (January session 2020-21)	Department	18-01-2021	30-06-2021
Class committee chairperson for M. Tech I year (PS& PE) (July session 2021-22)	Department	06-09-2021	24-09-2021
Coordinator of internships and industry lecture	Department	01-08-2021	24-09-2021

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

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11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2010	Gold medal in the department of EEE	Krishnasamy College of Engineering and Technology, Cuddalore.

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels

PG courses

1. Renewable Power Generation system

UG courses

1. Renewable Energy System
2. Applied electrical and electronics Engineering
3. Artificial Neural Network
4. Power System Protection and switchgear

(iii) Projects guided at Postgraduate level

1. Power management in micro grid- zero energy building
2. Coordinated scheduling of community integrated system with EV

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

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16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
5-day STTP on Modern Power System Optimization: Techniques, Tools, and Applications (MPSOTTA)	National	May 03-07, 2021	Coordinator	NIT Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Optimal planning of active distribution network	2 nd -6 th November 2020	NIT Andhra Pradesh
Demand side management in smart grid	25 th November 2021	NIT Andhra Pradesh
Introduction to computational Intelligence and TLBO algorithm and its application	16 th August 2021	K. S. R. M. College of engineering
Harmony Search Algorithms and its application	21 st August 2021	K. S. R. M. College of engineering

19. Membership of Learned Societies

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Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Professional Member	IEEE	97135970
Professional Member	IEEE Power and Energy Society	-
Professional Member	IEEE computational Intelligence Society	-

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
S. Kayalvizhi and D.M. Vinod Kumar	Optimal planning of active distribution networks with hybrid Distributed Energy Resources using Grid-based Multi-objective Harmony Search Algorithm	Applied Soft Computing	69	387-398	2018	8.263
S. Kayalvizhi and D.M. Vinod Kumar	Load Frequency Control of an Isolated Microgrid using Fuzzy Adaptive Model Predictive Control	IEEE Access	5	16241-16251	2017	3.476
S. Kayalvizhi and D.M. Vinod Kumar	Distributed Generation Planning using Peer enhanced Multi-Objective Teaching-Learning based Optimization in	Institution of Engineers (India), Springer	98	203-211	2017	-

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	Distribution Networks					
S. Kayalvizhi and D.M. Vinod Kumar	Planning of Autonomous Microgrid with Energy Storage using Grid-based Multi-Objective Harmony Search Algorithm	International Journal of Power and Energy Systems, ACTA Press	37	10-18	2017	-
S. Kayalvizhi and D.M. Vinod Kumar	Frequency Control of Microgrid with wind perturbations using Levy walks with Spider Monkey Optimization Algorithm	International Journal of Renewable Energy Research- IJRER,	7	146-156	2017	-

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
S. Kayalvizhi and D.M. Vinod Kumar	Dispatchable DG Planning in Distribution Network Considering cost	IEEE International conference on Recent Development in Control, Automation and Power Engineering (RDCAPE' 15)			Amity University, UP.	March 2015.
S. Kayalvizhi and D.M. Vinod Kumar	Optimal Operation of Autonomous micro grid for minimization of energy loss, cost and voltage deviation	IEEE Workshop on Computational Intelligence: Theories, application and future directions			IIT Kanpur	Dec. 2015
S.	Stochastic Optimal	National Power System			NIT Trichy	2018

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Kayalvizhi and D.M. Vinod Kumar	Power Flow In Presence Of Wind Generations Using Harmony Search Algorithm	Conference				
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(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number