



Dr. PADMANABHA RAJU CHINDA

Professor & HoD

Department of Electrical & Electronics Engineering,
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Qualification

Degree	Specialization	University	Year of award
B.E.	EEE	Adhiyamaan College of Engineering, Hosur University of Madras, Chennai	2000
M.Tech.	Electrical Power Systems	College of Engineering, Jawaharlal Nehru Technological University, Anantapur	2005
Ph.D.	EEE	Jawaharlal Nehru Technological University, Kakinada	2011
PG Diploma in Machine Learning and Cyber Physical Systems	Machine Learning, Data Science, Python Programming, Cyber Physical Systems, ML & DS Labs	Indian Institute of Information Technology, Tiruchirappalli	2025

Certification Courses Completed

1. Completed NPTEL Certification course on "Python for Data Science"
2. Completed Coursera certification course on "Artificial Intelligence for all"
3. Completed NPTEL certification course on "Smart Grid Technologies"

Doctoral Thesis (Ph.D) Guided as Supervisor

- 1

Name of the Scholar	B.Baddu Naik
Title of Ph.D thesis	Resolving Congestions in Deregulated Power System Using FACTS Devices
University awarded	Jawaharlal Nehru Technological University, Kakinada
Ph.D Degree	
Year of Award	2023
Co-Supervisor	Dr.R.Srinivasa Rao, Professor, JNTUK, Kakinada

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Name of the Scholar	C. Kumar
Title of Ph.D thesis	Security Constrained OPF by Hybrid Algorithms in Interconnected Power Systems using FACTS devices
University awarded	Jawaharlal Nehru Technological University, Anantapuramu
Ph.D Degree	
Year of Award	2020
Co-Supervisor	Dr.P.Sujatha, Professor, JNTUA, Anantapuramu

Patents

- | | | |
|---|--|---|
| 1 | Invention

Inventors
Publication No.
Publication date
Application No.
Filed with
Field of invention
Status of patent | Power Flow Control in Transmission Lines using Dynaflow Controller
Dr. Ragaleela Dalapati Rao & Dr.Padmanabha Raju Chinda
40/2020
02-10-2020
202041040800A
Intellectual Property India
Engineering and Technology
Published |
| 2 | Invention

Inventors
Publication No.
Publication date
Application No.
Filed with
Field of invention
Status of patent | Optimal Power Flow Analysis using the Particle Movement Bee Colony Algorithm
Dr. Padmanabha Raju Chinda & Dr. Ragaleela Dalapati Rao
34/2020
21-08-2020
202041033635A
Intellectual Property India
Engineering and Technology
Published |
| 3 | Invention | Optimal Placement Of Dynaflow Controller using TOPSIS |

	and NBSP method
Inventors	Dr. Ragaleela Dalapati Rao & Dr.Padmanabha Raju Chinda
Publication No.	47/2023
Publication date	24-11-2023
Application No.	202341078604A
Filed with	Intellectual Property India
Field of invention	Engineering and Technology
Status of patent	Published

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Invention	AHP Approach for Optimum Position of Dynaflo Device
Inventors	Dr. Ragaleela Dalapati Rao & Dr.Padmanabha Raju Chinda
Publication No.	50/2024
Publication date	13/12/2024
Application No.	202441093143 A
Filed with	Intellectual Property India
Field of invention	Engineering and Technology
Status of patent	Published

Scopus Link : <https://www.scopus.com/authid/detail.uri?authorId=57203392485>

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- 30 Ragaleela Dalapatirao, Padmanabha Raju Chinda, Kumar Cherukupalli, "A Hybrid Lion Pride and Bat Algorithm (HLPBA) for Optimal Spot and Size Of EV Charging Stations in Distribution Networks", Journal of Theoretical and Applied Information Technology, December 2024. Vol.102. No. 23, ISSN: 1992-8645 (Scopus)
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- 28 Ragaleela Dalapati Rao, Padmanabha Raju Chinda, Kumar Cherukupalli, "Dynaflow Device Optimal Placement Using Artificial Intelligence", Journal Of Theoretical And Applied Information Technology ISSN: 1992-8645, 31st December 2023. Vol.101. No 24, Pp. 8283–8290 (Scopus)
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- 27 Madupu, H.S., Chinda, P.R. & Kotni, S. "A Novel Tunicate Swarm Algorithm for Optimal Integration of Renewable Distribution Generation in Electrical Distribution Networks Considering Extreme Load Growth", Journal of Electrical Engineering & Technology, ISSN: 1975-0102, Vol.18, No.4, pp.2709–2722, July 2023. <https://doi.org/10.1007/s42835-023-01388-0> (SCIE)
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https://www.engineeringletters.com/issues_v31/issue_1/EL_31_1_20.pdf
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<https://www.jatit.org/volumes/Vol100No22/24Vol100No22.pdf>
- 24 R. D. Rao, P. Raju Chinda and A. N. Kumar, "Artificial Intelligence-Based Optimal Allocation of Dynaflow Device," 2022 International Conference on Smart and Sustainable Technologies in Energy and Power Sectors (SSTEPS), Mahendragarh, India, 2022, pp. 245-250, doi: 10.1109/SSTEPS57475.2022.00068. (Scopus)
<https://ieeexplore.ieee.org/document/10125418>
- 23 Padmanabha Raju Chinda, Ragaleela Dalapati Rao, "Multi-attribute decision making approach for placement of dynaflow controllers in a power system network using particle mobility honey bee algorithm", Ain Shams Engineering Journal, Volume 13, Issue 5, September 2022, 101682, ISSN 2090-4479, <https://doi.org/10.1016/j.asej.2021.101682>. (SCIE)
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- 21 Baddu Naik Bhukya, Padmanabha Raju Chinda, Srinivasa Rao Rayapudi, "A Novel Approach for Congestion Management in Transmission System with Advanced Control Using Innovative

- Algorithm", International Journal on Electrical Engineering and Informatics - Volume 14, Number 1, March 2022, pp.29-54, ISSN 2085-6830/ online e-ISSN 2087-5886(Scopus)
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- 20 Ragaleela Dalapati Rao, Padmanabha Raju Chinda, "Steady state analysis of dynaflo controller", Journal Of Theoretical And Applied Information Technology ISSN: 1992-8645, 31st May 2021. Vol.99. No 19, Pp. 4524–4535 (Scopus)
<https://www.jatit.org/volumes/Vol99No19/7Vol99No19.pdf>
 - 19 Padmanabha Raju Chinda, Ragaleela Dalapati Rao, "Artificial intelligence application to maximize social welfare in the electricity market by installing sssc", Journal Of Theoretical And Applied Information Technology ISSN: 1992-8645, 31st May 2021. Vol.99. No 19, Pp. 4511–4523 (Scopus)
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<https://ojs.imeti.org/index.php/AITI/article/view/5966/1037>
 - 14 M.V. Satyanarayana, Padmanabha Raju Chinda, Ragaleela Dalapati Rao, Kunapareddy Sai Dikshit, Mohammad Sameer, "Architecture and Formation Of Unmanned Ground Vehicle", Journal of Critical Reviews. Vol.7, Issue.12, June 2020, pp: 451-455. doi:10.31838/jcr.07.12.81 (Scopus)
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 - 12 N.Vijaya Anand, Ragaleela Dalapati Rao and Padmanabha Raju Chinda, "Hybrid Optimal Approximation of MIMO System", International Journal of Control and Automation, ISSN: 2005-4297, Vol. 13, No. 2, March, 2020, pp. 723 – 731. (Scopus)
<http://sersc.org/journals/index.php/IJCA/article/view/11215/5962>
 - 11 Hemanth sai Madupu, Vijayaanand Nidumolu, Ragaleela Dalapati Rao and Padmanabha Raju Chinda, "Energy Monitoring Using IOT", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 03, March, 2020, pp. 7259 – 7266. (Scopus)
<http://sersc.org/journals/index.php/IJAST/article/view/7590/4438>
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http://www.arpnjournals.com/jeas/research_papers/rp_2010/jeas_1010_392.pdf

Academic Experience

Designation	Institute	Period
Professor	EEE Department, P.V.P.Siddhartha Institute of Technology, Vijayawada	March, 2011 to Present
Associate Professor	EEE Department, P.V.P.Siddhartha Institute of Technology, Vijayawada	June, 2006 to March, 2011
Assistant Professor	EEE Department, Sri Sarathi Institute of Engineering & Technology, Nuzvid	February, 2001 to June, 2006

Administrative Experience

Position	Place	Period
Head of the Department	Department of Electrical & Electronics Engineering, PVPSIT	August 2022 to Present
Head of the Department	Department of Freshman Engineering, PVPSIT	August 2012 to August 2022

Recognition in Professional Bodies

Secretary, Indian Society of Systems for Science & Engineering, Amaravati Chapter, from 2016 to Present

Member in various committees

Position	Name of the committee	Period
Chairman	Disciplinary committee, PVPSIT	2009 to present
Member	Academic Council, PVPSIT	2012 to present
Chairman	Board of Studies, EEE, PVPSIT	2022 to present
Member	Performance based appraisal system for faculty, PVPSIT	2018 to present
Member	Best teacher & Best student awards	2018 to present
Member	Board of Studies, EEE, PVPSIT	2012 to 2022
Chairman	Anti-Ragging Squad, PVPSIT	2025 to present
Member	Anti-Ragging Committee, PVPSIT	2009 to present
Secretary	Value Education Cell, PVPSIT	2019 to present
Member	Canteen Committee, PVPSIT	2024 to present
Member	New Education Policy - 2020	2023 to present
Member	Academic Audit Committee	2023 to present
Member	Regulations Amendment Committee	2023 to present

Membership in professional bodies

Membership	Professional Body
Life member	Indian Society for Technical Education
Member	Institute of Engineers (India)
Member	Indian Society of Systems for Science & Engineering

Funded Projects

Name of the Project	Funding Agency	Amount of Funding	Role	Status
Tender coconut punching machine	MSME Idea Hackathon 3.0, Government of India	15 lakhs	Mentor	Ongoing
Development of an automated coconut breaking Machine	Unnat Bharath Abhiyan under SEG on Rural Energy System, Government of India	0.91 lakhs	Participating Institute Coordinator	Completed
Adopting five villages and conducting villages survey	Unnat Bharath Abhiyan under SEG on Rural Energy System, Government of India	0.5 lakhs	Participating Institute Coordinator	Completed
Design and Development of Canteen Feedback System	Siddhartha Academy of General & Technical Education	1 lakh	Coordinator	Completed
Installation of Dandelion water fountain in front of college garden	Siddhartha Academy of General & Technical Education	3.53 lakhs	Coordinator	Completed
Installation of water fountain at Open Auditorium and at Main door entrance Budda statue	Siddhartha Academy of General & Technical Education	1.3 lakhs	Coordinator	Completed