Dr. PADMANABHA RAJU CHINDA

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Department of Electrical & Electronics Engineering,
P.V.P.Siddhartha Institute of Technology,
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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

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 Ph.D Degree	Jawaharlal Nehru Technological University, Kakinada
	Year of Award	2023
	Co-Supervisor	Dr.R.Srinivasa Rao, Professor, JNTUK, Kakinada
2	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 Ph.D Degree	Jawaharlal Nehru Technological University, Anantapuramu
	Year of Award	2020
	Co-Supervisor	Dr.P.Sujatha, Professor, JNTUA, Anantapuramu

Patents

1	Invention	Power Flow Control in Transmission Lines using Dynaflow Controller
	Inventors	Dr. Ragaleela Dalapati Rao & Dr.Padmanabha Raju Chinda
	Publication No.	40/2020
	Publication date	02-10-2020
	Application No.	202041040800A
	Filed with	Intellectual Property India
	Field of invention	Engineering and Technology
	Status of patent	Published
2	Invention	Optimal Power Flow Analysis using the Particle Movement Bee Colony Algorithm
	Inventors	Dr. Padmanabha Raju Chinda & Dr. Ragaleela Dalapati Rao
	Publication No.	34/2020
	Publication date	21-08-2020
	Application No.	202041033635A
	Filed with	Intellectual Property India
	Field of invention	Engineering and Technology
	Status of patent	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
4	Invention	AHP Approach for Optimum Position of Dynaflow 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

Research Papers Published (Only SCIE & SCOPUS)

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

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https://www.jatit.org/volumes/Vol102No23/19Vol102No23.pdf

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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)
https://www.sciencedirect.com/science/article/pii/S2090447921004603

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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)
https://www.ijeei.org/docs-7299760762610b92029aa.pdf

20 Ragaleela Dalapati Rao, Padmanabha Raju Chinda, "Steady state analysis of dynaflow controller", Journal Of Theoretical And Applied Information Technology ISSN: 1992-8645, 31st May 2021. Vol.99. No 19, Pp. 4524–4535 (Scopus)
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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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16 Kumar Cherukupalli; Padmanabha Raju Chinda; Sujatha Peddakotla, "A hybrid SATS algorithm-based optimal power flow for security enhancement using SSSC", International Journal of Computer Aided Engineering and Technology, ISSN online:1757-2665, ISSN print: 1757-2657, March 2021 Vol.14 No.3, pp.373 – 384, DOI: 10.1504/IJCAET.2021.114493 (Scopus)
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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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10 Ragaleela Dalapati Rao, Padmanabha Raju Chinda, "Application of P-Q Vector Diagram Method for Releiving overloads in Restructured Power Networks", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 03, March, 2020, pp. 4781 – 4790. (Scopus)
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9 Padmanabha Raju Chinda, "Solar Agro Sprayer", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-11, September 2019,

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5 A.Jamalaiah, Dr.CH.Padmanabha Raju, Dr.R.Srinivasarao, "Optimization and operation of a renewable energy based pv-fc- micro grid using homer", International Conference on Inventive Communication and Computational Technologies (IEEE Xplore ISBN:978-1-5090-5297-4), 10th -11th March 2017 held at Ranganathan Engineering College, Coimbatore. (Scopus)
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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

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