


## FACULTY PROFILE

Name of the Faculty:	<b>MUPPOORI NAGENDRA</b>					
Designation:	<b>Assistant Professor</b>					
Department:	<b>Electrical and Electronics Engineering</b>					
Date of Birth:	<b>15- June - 1989</b>					
AICTE- ID:	<b>1-1509424503</b>					
<b>Education</b>	<ul style="list-style-type: none"> <li>• B.Tech in Electrical &amp; Electronics Engineering from Bapatla Engineering College, Bapatla, University/Institute in 2010.</li> <li>• M.Tech in Power Systems Engineering Specialization from VR Siddhartha Engineering College (Autonomous) University/Institute in 2012.</li> <li>• Pursuing Ph.D in Power Systems Engineering specialization from JNTU University Kakinada.</li> </ul>					
<b>Experience</b>	Teaching: 10 Years	Industry: 0 Years	<b>Total: 10 Years</b>			
	Research: 0 Years	Others: 0 Years				
<b>Research Specialization</b>	Metaheuristic optimization-based degree of freedom controller for the stability of realistic power systems					
<b>Courses taught</b>	<ol style="list-style-type: none"> <li>1. Electromagnetic Field theory</li> <li>2. Electronic Devices and Circuits</li> <li>3. Electrical Circuits – I &amp; II</li> <li>4. Signals &amp; Systems</li> <li>5. Digital Signal Processing</li> <li>6. Analog Electrical Circuits.</li> </ol>					
<b>Research contributions</b>						
<b>International/national peer reviewed journals</b>						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/ SCOPUS, Google scholar)
1	Enhancement of Mechanical Properties of UHMWPE Polymer by Nitrogen Ion Implantation	Journal of Manufacturing Engineering,	Dec - 2020	Vol.15 Issue 4	101-109	DOI: 10.37255/jme.v15i4p101-109.
2	Automatic Generation Control of Two Area Power System with Hybrid Control Technique	International Journal of Engineering Research & Technology (IJERT)	Sept 26, 2020	Vol. 9 Issue 9	676-681	DOI: 10.17577/IJERTV9IS090377
3	PID controller tuning	International	Sep	Vol.1,	1-9	<a href="https://scho">https://scho</a>

	using simulink for multi area power systems	Journal of Engineering Research & Technology (IJERT)	2012	Issue 7		lar.google.com/citations?view_op=view_citation&hl=en&user=4qByKlAAAAAJ&citation_for_view=4qByKlAAAAAJ:u-x6o8ySG0sC
4	AGC and AVR of multi area power systems with and without GRC nonlinearity	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering,	Jun 2013	Vol.2, Issue 6	2117-2126	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=4qByKlAAAAAJ&citation_for_view=4qByKlAAAAAJ:d1gkVwhDpl0C
5	Critical Assessment and Comparative Study of PID and ADRC Approaches Applied to AGC in Multi-Source Single Area Power System	9th IEEE International Conference on Power Systems (ICPS)	2021/12/16		1-6	https://ieeexplore.ieee.org/abstract/document/9670130/
6	A Case Study on Clustering Application to Unlabeled Real-time Time-series Data Streams	5th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	2021/12/2		363-368	https://ieeexplore.ieee.org/abstract/document/9676040/
7	Performance Enhancement of Combined LFC and AVR System with the	IEEE IAS Global Conference on Renewable	2023/3/11		1-6	https://ieeexplore.ieee.org/abstract/document/

	Integration of HVDC Line	Energy and Hydrogen Technologies (GlobConHT)				10087546/
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**Details of Conferences/FDPs/STTPs/webinars/Workshops Organized**

S.No.	Name of the event	Role	Dates
1	Guest lecture on "Power Electronic applications in solar system"	Organized	3/9/2020
2	Guest lecture on Empowering teens through health	Organized	6/3/2021

**Details of Conferences/FDPs/STTPs/webinars/Workshops Participated**

S.No.	Name of the event	Organized by	Dates
1	4 <sup>th</sup> Electric Power and Renewable Energy Conference (EPREC-2023)	National Institute of Technology Jamshedpur, India	25-27May, 2023
2	2023 IEEE IAS Global Conference on Renewable Energy and Hydrogen Technologies (GlobConHT)	Male, Maldives	11-12 March, 2023
3	9 <sup>th</sup> IEEE International Conference on power systems [ICPS-2021]	IIT Kharagpur, India	December 16-18, 2021
4	5 <sup>th</sup> IEEE International Conference on Electronics, communication, and Aerospace Technology [ICECA-2021]	RVS Technical Campus, Coimbatore-641 402, Tamil Nadu, India	December 02-04, 2021
5	Five days online Faculty Development Program on "Future Trends & Advances in Electrical Science".	Department of Electrical and Electronics Engineering, SJB Institute of Technology, Bengaluru	04 <sup>th</sup> -08 <sup>th</sup> April 2022.
6	Three day National Level Faculty Development Program on "Applications of MAT Lab/Simulink to Electrical Systems"	Department of Electrical and Electronics Engineering, Bapatla Engineering College (Autonomous), Bapatla	07 <sup>th</sup> - 09 <sup>th</sup> Dec 2017.
7	Three days training program delivered by R&D team, PRDC Bangalore on "Simulation of Electrical Systems using Mi Power [9.1 Ver.]"	Department of Electrical and Electronics Engineering, Bapatla Engineering College (Autonomous), Bapatla	23 <sup>rd</sup> - 25 <sup>th</sup> Jan 2018.
8	Three day National Level Faculty Development Program on "Feedback Controllers for Renewable Energy Systems in Microgrid"	Department of Electrical and Electronics Engineering, Bapatla Engineering College (Autonomous), Bapatla	27 <sup>th</sup> - 29 <sup>th</sup> Sep 2018.

9	One Week Short Term Training Program on “Challenging Avenues and Research on Fuel Cell Operated Electric Vehicle Retrofitting”	Department of Electrical and Electronics Engineering, Bapatla Engineering College (Autonomous), Bapatla	06 <sup>th</sup> - 10 <sup>th</sup> Jan 2020.
10	Five days Faculty Development Program on “Artificial Intelligence”	Departments of CSE & IT in association with Webtek Labs Pvt. Ltd. & MallaReddy Institute of Engineering and Technology, Hyderabad	27 <sup>th</sup> – 31 <sup>st</sup> May 2020.
11	Five days TEQIP-III Sponsored Faculty Development Program on “Power Electronic Applications to Renewable Energy Systems and Energy Storage Systems”	Department of Electrical & Electronics Engineering, The National Institute of Engineering, Mysuru	06 <sup>th</sup> – 10 <sup>st</sup> July 2020.
12	One Week AICTE Sponsored Short Term Training Program on “Automation and Intelligent Control of Electrical Systems – Phase –IV”	Department of Electrical & Electronics Engineering, Gudlavalleru Engineering College, Gudlavalleru	15 <sup>th</sup> - 20 <sup>th</sup> March 2021.
13	Five days Online Faculty Development Program on “Advances in Renewable Energy & Smart Grid Integration”	Department of Electrical & Electronics Engineering, Amity School of Engineering Technology, Amity University Uttar Pradesh, Noida	31 <sup>st</sup> May- 04 <sup>th</sup> Jun 2021.
14	Five days Faculty Development Program on “Recent Trends and Developments in Electrical Power Engineering”	Department of Electrical and Electronics Engineering, Chadalawada Ramanamma Engineering College (Autonomous), Tirupati	21 <sup>st</sup> – 25 <sup>th</sup> June 2021.
15	One day National Level Faculty Development Program on “Importance of Research for Engineering Faculty”	Department of Electrical and Electronics Engineering, PBR Visvodaya Institute of Technology & Science (Autonomous), Kavali	29 <sup>th</sup> June 2021.
16	One week AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Role of Renewable Energy Sources in Power System"	Government Engineering College, Patan.	05 <sup>th</sup> – 09 <sup>th</sup> July 2021
17	One Week Online Faculty Development Program on “Research Opportunities in Electrical Power Engineering”	Department of Electrical and Electronics Engineering, PVP Siddhartha Institute of Technology, Vijayawada during	23 <sup>rd</sup> – 27 <sup>th</sup> March 2022.
18	One Week Short Term Training Program on “Soft Computing Techniques in Electrical Systems”	Department of Electrical & Electronics Engineering, Bapatla Engineering College, Bapatla	14 <sup>th</sup> - 19 <sup>th</sup> March 2022.

**Awards/recognitions/achievements**

<b>S.No.</b>	<b>Name of the Award</b>	<b>Awarding body/Society/Organization</b>	<b>Year</b>
1	Life member	Indian society for Training & Development [ISTD] [N-420/2019]	2019
2	Member	International Association of Engineers [253624]	2020

**Student Project/research guidance**

<b>S.No</b>	<b>Level</b>	<b>Total number</b>	
1	UG	Completed: 6	Ongoing: 1
2	PG	Completed: 0	Ongoing:
3	PhD	Completed: 0	Ongoing:

**Research credentials**

<b>Index/database</b>	<b>ID/Link</b>
Google Scholar	<a href="https://scholar.google.com/citations?user=4qByKlAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=4qByKlAAAAAJ&amp;hl=en</a>
SCOPUS	
Web of Science	
Vidwan ID	324555

**Any other relevant information**

M Nagendra  
20.09.2023