


## FACULTY PROFILE

Name of the Faculty:		Karimulla Polisetti		
Designation:		Assistant professor		
Department:		Electrical and Electronics		
Date of Birth:		16/06/1990		
AICTE – ID:	1-7500188122			
<b>Education</b>	<ul style="list-style-type: none"> <li>• B.Tech in <b>EEE</b> from <b>RVRJC</b> University/Institute in 2011.</li> <li>• M.Tech in <b>POWER SYATEMS</b> Specialization from <b>NIT KURUKSHETRA</b> University/Institute in 2016.</li> </ul>			
<b>Experience</b>	Teaching: <b>7</b> Years	Industry: <b>2</b> Years	<b>Total: 9 Years</b>	
	Research: <b>0</b> Years	Others: <b>NIL</b>		
<b>Research Specialization</b>	<p>My research is on distribution system pricing and optimization techniques. I have proposed a new optimal power flow algorithm to calculate nodal prices for both radial and mesh type distribution systems. I have also done research on distributed generation (renewable) and Facts devices by integrating them in the distribution system to reduce system losses. Some of the optimization algorithms (genetic &amp; PSO) are also modelled for finding best location to place capacitors and Renewable Dg's.</p>			
<b>Courses taught</b>	<ol style="list-style-type: none"> <li>1.Basic electrical and electronics engineering</li> <li>2.Circuit Theory</li> <li>3.DC Machines and Transformers</li> <li>4.Induction and Synchronous Machines</li> <li>5.Power electronics</li> <li>6.Switch gear and Protection</li> <li>7.High voltage engineering</li> <li>8.Electric and Hybrid vehicle</li> <li>9.Electrical power Distribution system</li> <li>10.Quantitative Aptitude</li> </ol>			
<b>Research contributions</b>				
International/national peer reviewed journals				

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/SCOPUS, Google scholar)
1	Determining Nodal prices for radial Distribution System with wind and solar power integration using probabilistic load	IRJET	2022	9		Google scholar
2	Impact on Radial Distribution System by Integrating Wind Power with ZIP Load Considering Load Growth	IJERT	2020			scopus
3	Distribution system nodal prices determination for realistic ZIP and seasonal loads: An optimal power flow approach”, Global Colloquium in Recent Advancement and Effectual Researches in Engineering	Elsevier energy procedia	2016	25		Scopus
4	Nodal prices determination with wind integration for radial distribution	IJEST	2017	9		Scopus

#### Books published

S. No.	Title of the book	Publisher	year
1			

#### Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	Impact of Capacitor Banks on the Nodal Prices of Meshed Distribution System	Springer Lecture Notes in Electrical Engineering Book Series	SPRINGER	2021

#### Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1				

#### Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates

1			
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**Details of Conferences/FDPs/STTPs/webinars/Workshops Participated**

S.No.	Name of the event	Organized by	Dates
1	6th IEEE International Conference on Power Systems, ICPS	IIT DELHI	04-06 March, 2016

**Awards/recognitions/achievements**

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	POSO CO Power system award (PPSA)	POSO CO Ltd in association with FITT, IIT Delhi	2017

**Details of project proposals submitted/sanctioned/completed**

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration

**Consultancy contribution**

S.No.	Year	Amount	Details
1			

**Student Project/research guidance**

S.No	Level	Total number	
1	UG	Completed: 8	Ongoing:1
2	PG	Completed:	Ongoing:
3	PhD	Completed:	Ongoing:

**Administrative experience**

S.No.	Role	Duration (From – to)
1	DC Machines Lab in charge	From 2018
2	Timetable coordinator	From Aug 2023
3	Gate classes coordinator	From 2021
4	NBA Criterion 3 coordinator	2023-2024
5	Jnana Bhumi Coordinator	2018- Aug 2023

**Research credentials**

<b>Index/database</b>	<b>ID/Link</b>
Google Scholar	<a href="https://scholar.google.com/citations?user=mg6Ykc4AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=mg6Ykc4AAAAJ&amp;hl=en</a>
SCOPUS	-----
Web of Science	-----
Vidwan ID	<b>324220</b>

**Any other relevant information**

(Karimulla Poliseti)  
(22/09/2023)