


## FACULTY PROFILE

Name of the Faculty:		NEERUKONDA RAMA DEVI				
Designation:		PROFESSOR & HOD				
Department:		ELECTRICAL AND ELECTRONICS				
Date of Birth:		23-02-1975				
AICTE – ID:		1-425788492				
<b>Education</b>		<ul style="list-style-type: none"> <li>B.Tech in EEE from JNTU KAKINADA University/Institute in 1997</li> <li>M.Tech in POWER SYSTEMS Specialization from REC WARANGAL University/Institute in 2000</li> <li>PhD in POWER SYSTEM specialization from NIT WARANGAL University/Institute in 2017</li> </ul>				
<b>Experience</b>		Teaching: _24_Years	Industry: ____Years	<b>Total: _24_Years</b>		
		Research: _15_Years	Others: ____Years			
<b>Research Specialization</b>		<b>Conditional monitoring of power components and Smart Grid</b>				
<b>Courses taught</b>		<ol style="list-style-type: none"> <li>1. Circuit Theory</li> <li>2. Network Analysis</li> <li>3. Signals and Systems</li> <li>4. DC Machines</li> <li>5. Control Systems</li> <li>6. IOT Applications to Electrical Systems</li> <li>7. Power System Analysis</li> <li>8. Power System Protection</li> <li>9. Computer Aided Power Systems</li> <li>10. Advanced Power System Protection</li> <li>11. Digital Signal Processing</li> <li>12. C- Programming</li> </ol>				
<b>Research contributions</b>						
<b>International/national peer reviewed journals</b>						
<b>S. No.</b>	<b>Title of paper</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>pages</b>	<b>Indexing SCI/WoS/ SCOPUS, Google scholar)</b>

1	Zero Switching Current Fed Half Bridge Isolated DC/DC Converter for Fuel Cell Application	International Research Journal of Engineering and Technology	2022	Vol. 9 Iss. 6	pp. 315- 322	Google Scholar
2	Detection and Identification of Stator Incipient faults in Wound-Field Synchronous motor by using Wavelet Transform	International Journal of Advanced Science and Technology	2020	Vol.29 Iss.4	pp. 904- 913	Scoups
3	Diagnosis of Stator winding inter-turn Fault in Wound-Field Synchronous Motor by using Wavelet Transform	Journal of Advanced Research in Dynamical & Control systems	2019	Vol.11 Iss.4	pp. 571- 578	Scopus
4	Elimination of Harmonics in TCHB Based Cascaded Multilevel Inverters	IJARLT	2017	Vol.9 Iss.3	pp. 2210- 2216	Google Scholar
5	Diagnosis and classification of stator winding insulation faults on a three-phase induction motor using wavelet and MNN	IEEE Transactions on Dielectrics and Electrical Insulation	2016	Vol.23 Iss.5	pp. 2543- 2555	SCI
6	Detection and Identification of Stator Inter-Turn Faults in Three-Phase Induction Motor under Presence of Supply Unbalances	Journal of Electrical Engineering	2016	Vol.16 Iss.2	pp.1- 10	Scopus
7	Monitoring and Diagnosis of stator inter turn fault and supply unbalance in three phase induction motor	International Research Journal of Engineering and Technology	2016	Vol.3 Iss.7		Google Scholar
8	Monitoring and Diagnosis of stator inter turn fault and supply unbalance in three phase induction motor	International Research Journal of Engineering and Technology	2016	Vol. 3, Iss. 7,		Google Scholar
9	Detection and Identification of Stator Incipient Faults in Three-Phase Induction Motor - Simulation and Experimental Verification	IET Electric Power Applications	2015	Vol. 9, Iss. 8,	pp. 540- 548	SCI
10	Analysis of Wind Farm to Weak-Grid Connection Using Unified Power Quality Compensator (UPQC)	International Journal of Technology and	2015	Volum e 3[6]	pp: 3542- 3550	Google Scholar

		Engineering Science				
11	Monitoring and Diagnosis of Stator Inter Turn Faults in Three Phase Induction Moto	International Journal of Advanced Research in Electronics and Communication Engineering	2014	Volume 3, Issue 11		UGC
12	Islanding Detection in Distributed Generations Using Negative Sequence Components	International Journal of Engineering Science & Advanced Technology	2012	Vol. 2 Issue-5	pages : 1440-1446	Google Scholar

#### 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	Load Immune Based Stator incipient Faults for Three-Phase Electrically-Excited Synchronous motor	Data Engineering and Communication Technology	Spinger	2021

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

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	202241016231	Detection of stator incipient faults and identification of faulty phase in three-phase induction motor	23/03/2022	21/12/2022

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

S.No.	Name of the event	Role	Dates
1	Two Days Workshop on "Research Report and Article Writing using LaTeX Software	Resource person	17/03/2023 – 18/03/2023
2	A three-day hands-on training programme on PCB Design & Fabrication.	Coordinator	28/07/2022 to 30/07/2022
3	One-week online STTP on Soft Techniques and it's applications in Electrical Systems.	Convenor and Resource person	14/03/2022 to 19/03/2022.
4	Two Week Online Short-Term Training Program on Emerging Technologies in Electrical Vehicles from	Convenor	02/08/2021 to 14/08/2021
5	One Week Short Term Training Programme on Applications of Soft Computing in Electrical Engineering	Convenor and Resource person	15/03/2021 to 20/03/2021.
6	Workshop on Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles	Convenor	01/06/2020 to 05/06/2020.
7	Workshop on Challenging Avenues and research on fuel cell operated electrical vehicle retrofitting	Convenor	06/01/2020 to 10/01/2020
8	Vocational Training on Making and Testing of industrial Electric Apparatus	Convenor and Resource person	30/9/2019
9	Oriented program Power quality Issues in Electrical Systems Connected to Smart Grid	Convenor	17/12/2018 to 21/12/2018
10	Oriented program on Feed Back Controllers for renewable generation in Micro Grid	Convenor	27/09/2018 to 29/09/2018
11	Oriented program on Simulation of Electrical systems using MiPower 9.1 version	Convenor	23/01/2018 to 25/01/2018
12	Oriented program on LabVIEW Professional Software and Power Electronics ELVIS	Convenor	20/03/2018 to 21/03/2018
13	Oriented program on Applications of MATLAB/Simulink to Electrical Systems	Convenor and Resource person	7/12/2017 to 9/12/2017

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

S.No.	Name of the event	Organized by	Dates
1	Detection and identification of stator inter-turn faults in three-phase induction motor in presence of supply unbalance condition	International Conference on Power Electronics, Drives and Energy Systems (IEEE)	2014

2	Wavelet—ANN based fault diagnosis in three phase induction motor.	INDICON 2011	2011
3	Wavelet ANN based stator internal faults protection scheme for 3-phase induction motor.	Industrial Electronics and Applications (ICIEA), 2010 the 5th IEEE Conference	2010
4	A transient current based bus zone protection scheme using wavelet transform.	IEEE Region 10 Conference TENCON	2008
5	Introduction to Internet of Things	NPTEL	July to October 2022
6	Outcome Based Education and Examination Reforms	Bapatla Engineering College, Bapatla	03rd – 5th August 2022
7	Artificial Intelligence and ICT application to Power System Protection	NITW	18/07/2022 to 27/07/2022
8	SPARC program on Enabling Technologies for Electric Transportation	Malaviya national institute of technology, Jaipur	30/07/2021 to 21/09/2021
9	Two-week online training program on IIOT	NISC	16/03/2021 to 30/03/2021
10	One-week AICTE Sponsored Short Term Training Programme on Outcome based Education for Technical Institutes	Ragari School of Engineering and Technology	16/11/2020 to 21/11/2020
11	Short Term Training Programme through ICT Mode on Digital System & Programmable Logic Control (PLC)	NITTRK	22/06/2020 to 26/06/2020
12	Faculty Development Program on Data Science	Andhra Pradesh State Skill Development Corporation (Apsdc)	1 <sup>st</sup> -30 <sup>th</sup> June, 2020
13	A Three-day workshop on Recent Trends in Power System Protection	NITW	27 <sup>th</sup> -29 <sup>th</sup> NOV 2014
14	Two-day workshop on Graphical System Design Approach for Research in Power Systems, Power Electronics & Communications	NITW	3 <sup>rd</sup> - 4 <sup>th</sup> OCT 2013
15	Short-term training programme on Recent Advances in Power System Protection	NITW	29 <sup>th</sup> – 31 <sup>st</sup> March 2007.
16	Two-day national workshop on Real Time Power Systems	JNTU Kakinada	27 <sup>th</sup> - 28 <sup>th</sup> OCT 2006.

**Awards/recognitions/achievements**

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Second best Indian	47 <sup>th</sup> foundation day at Acharys	2023

	<b>Government Approved Patent</b>	<b>Nagarjuna University</b>	
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**Details of project proposals submitted/sanctioned/completed**

<b>S.No.</b>	<b>Title of the Project</b>	<b>Funding body</b>	<b>Submitted/ Sanctioned/ Completed</b>	<b>Amount</b>	<b>Year/ duration</b>
<b>1</b>	<b>Development of Electronics Devices and Design Lab</b>	AICTE- Modernisation & Removal of Obsolescence (MODROBS)	<b>Submitted 2021</b>	<b>18,50,940</b>	

**Consultancy Contribution**

<b>S.No.</b>	<b>Year</b>	<b>Amount</b>	<b>Details</b>
<b>1</b>			

**Student Project/research guidance**

<b>S.No</b>	<b>Level</b>	<b>Total number</b>
<b>1</b>	<b>UG</b>	<b>Completed: 35      Ongoing: 02</b>
<b>2</b>	<b>PG</b>	<b>Completed: 11</b>
<b>3</b>	<b>PhD</b>	<b>Completed: 01</b>

**Administrative experience**

<b>S.No.</b>	<b>Role</b>	<b>Duration (From – to)</b>
<b>1</b>	<b>Head of the Electrical Engineering Department</b>	<b>2023 to till date. 2016 to 2022</b>
<b>2</b>	<b>Member in CAC of BEC, Bapatla from 14/09/2016 to 22/02/2022</b>	<b>2016 to till date</b>
<b>3</b>	<b>Member in Governing Body Autonomous, Bapatla</b>	<b>2020 to till date</b>
<b>4</b>	<b>Member of DSC of ANU College Engineering</b>	<b>2014 to 2016</b>
<b>5</b>	<b>Member of Board of Studies of Electrical Engineering of ANU College Engineering</b>	<b>2012 to 2017</b>
<b>6</b>	<b>I/C Head of the Electrical Engineering Department</b>	<b>2005 to 2006 2012 to 2013</b>

<b>7</b>	<b>Time Table Coordinator</b>	<b>2003-2005 and 2006-09 (5 Years).</b>
<b>8</b>	<b>Electro Mechanics Lab-I Incharge</b>	<b>2009-13 (4 Years)</b>
<b>9</b>	<b>Power system Lab Incharge</b>	<b>2004-2007 (3 Years)</b>
<b>10</b>	<b>Power Electronics Lab Incharge</b>	<b>2000-2003 (3 Years)</b>

**Research credentials**

<b>Index/database</b>	<b>ID/Link</b>
Google Scholar	<a href="https://scholar.google.co.in/citations?hl=en&amp;user=jv5EppEAAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=jv5EppEAAAAJ</a>
SCOPUS	<a href="https://www.scopus.com/authid/detail.uri?authorId=26430881300">https://www.scopus.com/authid/detail.uri?authorId=26430881300</a>
Web of Science	
Vidwan ID	

**Any other relevant information**

(Name)

(Date)