


Profile

Name of the Faculty	Dr. Radhika Dora	Photo
Designation	Professor and Head of the Department	
Department	Electrical and Electronics Engineering	
Area of Interest	Electric Vehicles, Photovoltaic Systems, Electrical Power Systems	
Subjects Taught	Electromagnetic Field Theory, Electrical Circuits, Network Theory, Signals and Systems, Power Systems, Control Systems, Power Electronics, etc.	
AICTE Unique Id	1-2334612539	
JNTUH Registration Id	71150402-122058	
College Staff Code	SC0797	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph. D	Electrical and Electronics Engineering	JNTU Hyderabad	2017
2	M. Tech	Electrical Power Engineering	JNTU Hyderabad	2007
3	B. Tech	EEE	JNTU Anantapur	2000

S. No.	Publication details
National Conferences	
1	“Static shunt compensation of SMIB system using flying capacitor multi-level inverter”, National conference on Power Distribution, CPRI Bangalore, 2014.

International Conferences

2	"Implementation of FLC based DPFC for enhancement of power quality of transmission system", International conference on electrical electronics signals communication and optimization, Vignans Institute of Information Technology, 2015
3	"Neural network based distributed power flow controller for mitigating voltage sag and swell in a transmission system", International conference on innovations in electrical and electronics engineering, Gurunanak group of Institutions, 2015.
4	"Hybrid power generation using non-conventional energy sources and sea water by electrolytes process", International conference on emerging trends in engineering science and management, Sphoorthy engineering college, 2017.
5	"Investigation on doping for maximum power extraction from a solar cell, International Conference on multifunctional materials (ICMM-2020), Oct 2020.
6	"Design features of e-bike", International Conference on recent trends in electrical, electronics, communication and instrumentation engineering", CVR college of Engineering, December 2021.
7	R. Dora, A. R. Teja, D. Manoj Goud, G. S. Nayak and P. Chethan Chaitanya, "Enhancing Power Quality with Dynamic Voltage Restorer," 2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI), Tirunelveli, India, 2024, pp. 326-331, doi: 10.1109/ICDICI62993.2024.10810873.
8	R. Dora, D. Veeranjanyulu, T. K. Priya and K. S. Kumar, "Intelligence Control Based Fault Detection in Transmission Lines," 2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS), Bengaluru, India, 2024, pp. 612-615, doi: 10.1109/ICICNIS64247.2024.10823356.
9	Dora, R., Jagan, V., Varma, N. R., Swathi, K., Rao, G. S., & Chenchireddy, K. (2025). Electric Vehicle Charging Station with Hybrid Energy Sources. In E3S Web of Conferences (Vol. 616, p. 03035). EDP Sciences.
10	Dora, R., Mulla, G, Chenchireddy, K., Fault Detection in Distribution system using Arduino Micro-controller" 3rd International Conference on Multifunctional Materials (ICMM 2024), (Accepted)

International Journals

1	"Improvement of Voltage Profile of a Transmission System Using D Facts", IOSR Journal of Electrical and Electronics Engineering, with ISSN 2320 3331, April 2015.
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2	“Improvement of Voltage Profile using ANFIS based Distributed Power Flow Controller”, International Journal of Engineering Inventions, ISSN 2319 6491, July 2015.
3	“A Novel Intelligent Controlling Technique for Distributed power flow Controller for Power Quality Improvement”, International Journal of Advanced Research in Electronics and Communication Engineering, ISSN 2278 909X, July 2015.
4	“Hybrid Power Generation using Non-Conventional Energy Sources and Sea Water by Electrolysis Process”, International journal of advanced technology in Engineering and Science, ISSN 2348 7550, March 2017.
5	“A comparative study on UPFC and DPFC towards low harmonic distortion”, International Journal of Advanced in Management Technology and Engineering Sciences, ISSN 2249-7455, January 2018.
6	“Vehicle tracking and locking using GSM and GPS modules”, Journal of Emerging Technologies and Innovative Research, ISSN 2349 5162, Journal of Emerging Technologies and Innovative Research, September 2020.
7	Dr.Radhika Dora, Dandaboina Veeranjanyulu, Tirupathi Keerthi Priya, Kunchi Sunny Kuma “Enhancing Transmission lines safety through GSM Fault Detection” International Journal of Applied Power Engineering (IJAPE) (Under Review 1)
8	Dr. Radhika Dora, Dubbaka Manoj Goud, Adimulam Rahul Teja, Gugloth Srikanth Nayak, Pamarthi Chethan Chaitanya “Robotic Smart Highway with Solar Energy and Catenary Power Lines” IAES International Journal of Robotics and Automation (IJRA) (Under Review 1)
9	Kalagotla Chenchireddy, P Nagabushanam, Radhika Dora, Vadthya Jagan, Shabbier Ahmed Sydu, Varikuppala Manohar “Navigating the Future of Energy Storage: Insights into Lithium-Ion Battery Technologies” The International Journal of Power Electronics and Drive Systems (IJPEDS) (Accepted, Published in Sept 2025)
10	Chenchireddy, K., Dora, R., Jagan, V., Mulla, G. B., Jegathesan, V., & Sydu, S. A. Design of a prototype firefighting robot based on an Arduino microcontroller using machine learning technique. IAES International Journal of Robotics and Automation (IJRA) Vol. 14, No. 1, March 2025, pp. 31~37
11	Chenchireddy, K., Dora, R., Mulla, G. B., Jegathesan, V., & Sydu, S. A. Development of robotic arm control using Arduino controller. IAES International Journal of Robotics and Automation (IJRA), 264, 1024-1064.
12	Bindu, E. Him, Radhika Dora D. Krishna, and B. Srikanth Goud. "Implementation of Sustainable PBL towards Affordable and Clean Energy: Industry,

	Innovation." Journal of Engineering Education Transformations 38. Special Issue 1 (2024).
13	Dr.Radhika Dora, Dandaboina Veeranjanyulu, Tirupathi Keerthi Priya, Kunchi Sunny Kuma "Enhancing Transmission lines safety through GSM Fault Detection" International Journal of Applied Power Engineering (IJAPE) (Under Review 1)
14	Dr. Radhika Dora, Dubbaka Manoj Goud, Adimulam Rahul Teja, Gugloth Srikanth Nayak, Pamarthi Chethan Chaitanya "Robotic Smart Highway with Solar Energy and Catenary Power Lines" IAES International Journal of Robotics and Automation (IJRA) (Under Review 1)

Patents Published:

S. No.	Publication details
1	Published a patent with a grant on "Design of solar energy system with effective extraction with lab view environment", in the month of September, 2021.
2	Published a patent on "Smart solar – based pet house", in the month of May, 2021.
3	Published a Patent on "Design and Fabrication of Electric Smart bike with voice recognition", in the month of December, 2020.

Springer Book Chapters:

S. No.	Publication details
1	Kalagotla Chenchireddy, Radhika Dora, G Srikanth, G Lakshya, Sudhula Madhu, P Vindod Kumar "Diagnosis of Faults in Synchronous Generator Using Intelligent Technique" Proceedings of International Conference on Advanced Communications and Machine Intelligence MICA 2024 (ISBN: 978-981-96-5589-2, Paper will publish 16 September 2025)

Experience:

Teaching	24 Years
Industry	-
Research	8 Years
Total Experience	24 Years