

BIO – DATA

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Qualifications:

Course	Name of the Institution	Duration	Percentage
M.Tech-Power Industrial Drives	JNTU College of Engineering, Anantapur.	2015-2017	8.02 (CGPA)
B.Tech-Electrical and Electronics Engineering	Sri Venkateswara Institute of Technology, Anantapur.	2011-2015	75%
Higher Secondary Education-Class XII (A.P. State Board)	Dr B.R Ambedkar Junior College, Anantapur.	2009-2011	80%
Secondary School Education-Class X (A.P.State board)	A.P.S.W.R School, Anantapur.	2008-2009	81%

Work Experience:

S.No.	Name of the Organization	Position held	Years of Experience	Nature of work done
1	JNTUA College of Engineering, Ananthapur	Assistant Professor (Adhoc)	5 years	Teaching

Publications:

1. M.Shirisha (2024). "Design and Implementation of NN Based Solar PV and Grid Based Charging Station for Electric Vehicles", International Journal of Innovative research in Science, Engineering and Technology, ISSN: 2347-6710, Issue 1, Vol.13.
2. M.Shirisha (2023). "Design and Implementation of FLC Based Extreme Fast Charging Station Power Delivery for Electric Vehicles", International Journal of Current Science, Vol 13, Issue 2, ISSN: 2250-1770.
3. .Shirisha (2023). "ANFIS Based Direct Torque Control Topology for Double Stator Machine" International Journal of Innovative Research in Science, Engineering and Technology, Volume 12, Issue 9, |e-ISSN: 2319-8753.
4. Shirisha (2023). "Fuzzy Logic Controller Based Finite control set model predictive and torque control for Induction Motors" International Journal of current Science,
5. M.Shirisha (2022). "Fault-Tolerant Back-to-Back Converter for Direct-Drive Permanent Magnet Synchronous Generators Wind Turbines Using Direct Torque and Power Control techniques", Design engineering, ISSN: 0011-9342, Issue:01, Pages: 126-142.
6. M.Shirisha (2022). "Control Strategy for 5Ø Dual-Stator Winding Induction Starter/Generator Scheme", Design Engineering, ISSN: 0011-9342, Issue:01, Pages: 143-155.
7. M.Shirisha,.(2021). "A Multi-mode Operating Tri Port Based Electric Vehicle Charging Station", International Journal of Electrical and Electronics Engineering, ISSN:2348-8379.
8. M.Shirisha.(2021). "Designing of Multifunctional EV Charger Based on Solar PV Array", Design Engineering, ISSN: 0011-9342, Issue:7.
9. M.Shirisha (2017). "Enhancement of open circuit fault in outer switches of Three level Rectifiers in wind Turbine Systems using fault Tolerant control method", Journal of Emerging Technologies and Innovative Research, Vol.4, issue 11, ISSN:2349-5162

Certification Courses

S. No.	Name of Course	Duration	Status	Online Platform
1	Power system Protection and Switchgear	Jul – Sep, 2024 (08 Weeks)	Certified	NPTEL
2	Smart Grid: Basics to Advanced Technologies	Jan – April, 2024 (12 Weeks)	Certified	NPTEL
3	EV-Vehicle Dynamics and Electric Motor Drives	Jan – March, 2024 (08 Weeks)	Certified	NPTEL
6	Ethics in Engineering Practice	Aug – Oct, 2023 (8 Weeks)	Certified	NPTEL

b) Workshops/FDPs/PDPs/ Training Programs:

S. No.	Workshop /FDP/PDP/ STTP/ Training Programs	Title of Workshop	Organized by	Duration
1	PDP	EV Design and Applications to Aerospace Systems	JNTUA College of Engineering, Ananthapuramu	25 th - 29 th November, 2024
2	ATAL FDP	Electric Vehicle Technology	P.V.K.K Institute of Technology	26 th – 31 st Aug, 2024
3	STTP	Recent Trends in Electrical Engineering and Teaching Padagogy	P.R.Pote College of Engineering & Management, Amaravati	24 th – 29 th June, 2024
4	STTP	Emerging Trends on Control and Automation at present Scenario	Dream Institute of Technology	09 th – 15 th may 2024
5	FDP	Aiming Towards 3D'S in Electrical Engineering	Mahatma Gandhi Institute of Technology, Hyderabad	11 th to 15 th March 2024
6	FDP	Smart Grid: Basics to Advanced Technologies	NPTEL-AICTE	January-April 2024
7	FDP	EV-Vehicle Dynamics and Electric Motor Drives	NPTEL-AICTE	January-March 2024
8	FDP	Introduction to Artificial Intelligence	G.Pulla Reddy Engineering College (Autonomous)	9 th – 14 th Oct, 2023
9	FDP	Recent Trends in Green Energy Initiatives and Soft	Mahatma Gandhi Institute of Technology,	11 th – 15 th July,

		Computing Techniques	Hyderabad	2023
10	FDP	Python for Electrical & Electronics Engineering: A Faculty Development Program on Python Applications	RGM College of Engineering and Technology, Nandyal	27 th – 31 st March, 2023
11	FDP	Design and Development of power converters for Electric Vehicles	JNTUA College of Engineering, Ananthapuramu	11 th -15 th September, 2023
12	Webinar	Intellectual Property Rights	Erode Sengunthar Engineering College	24-06-2023
13	Workshop	Opportunities and Challenges in IT Sector: Software Mastery Bootcamp-Unlock your potential	G.Pulla Reddy Engineering College	6 th – 11 th March, 2023
14	FDP	Ethics in Engineering Practice	Indian Institute of Technology Kharagpur	August – October 2023
15	FDP	Recent Advances in Electrical Engineering	G.Pulla Reddy Engineering College (Autonomous)	17 th – 21 st October, 2022
16	FDP	Research Innovations and Emerging Advances in electrical Engineering	Easwari Engineering College, Chennai	14 th – 19 th June, 2021
17	Workshop	Intellectual Property Rights	Gates Institute of Technology, Gooty	08 th – 12 th June, 2021
18	Workshop	Microgrid and electric vehicles	JK Lakshmipat University, Jaipur.	2 nd -3 rd December, 2020
19	FDP	Data science	Andhra Pradesh State Skill Development Corporation	1 st -30 th June,2020
20	Webinar	Satellite image processing for tracking environmental changes	Annapoorna Engineering college, chennai.	14 th July 2020
21	Webinar	The journey of startup: From product management to growth hacks	Mandsaur university,Mandsaur	31 st July 2020

22	Webinar	Recent developments in solar based renewable energy systems	Government Engineering college, Bharuch.	20 th October, 2020
23	Webinar	Research Aspects on medical device development	Nalla Narasimha Reddy Education Society Group of Institutions, Hyderabad.	8 th July 2020
24	FDP	Challenges and opportunities of energy and sensor Applications	JNTUA College of Engineering, Anantapur.	23 rd -26 th September , 2020
25	FDP	Emerging trends in Electrical Engineering (ETEE-2020)	institute of technology and science Ramtek, Nagpur.	2 nd – 4 th July, 2020
26	FDP	AC-DC Drives	Andhra Pradesh State Skill Development Corporation	29 th Sep – 3 rd Oct, 2020
27	STTP	Future perspective of Electrical power system	Engineering college, Ajmer	9 th -13 th October, 2020

Academic Projects Guided: M.Tech: 01

Subjects Handled:

- Basic Electrical Engineering
- Power System Protection
- Renewable Energy System
- Optimal Control
- Modern Power Electronics
- Intelligent Algorithms
- Research Methodology
- Battery Management system
- Machine Modeling Analysis
- Electric Vehicle Engineering
- Environmental Science

(M. SHIRISHA)

