

PROFILE



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Google scholar : <https://scholar.google.com/citations?user=TL7yP4EAAAAJ&hl=en>

Qualifications:

S. No.	Qualification	Year of Passing	Board/ University	Division
1.	SSC	2002	Board of Secondary Education, A.P.	I Class with Distinction (82.50%)
2.	Intermediate/ Diploma	2004	Board of Intermediate Education, A.P.	I Class with Distinction (84.52%)
3.	B. Tech/B.E.	2008	GATES Engineering College, Gooty.	I Class with Distinction (75.27%)
4.	M. Tech/M.E.	2011	Jawaharlal Nehru Technological University, Anantapur	I Class with Distinction (89.50%)
5.	Ph.D.	Pursuing	Jawaharlal Nehru Technological University, Anantapur	-

Work Experience:

S. No.	Name of the Organization	Position held	Years of Experience	Nature of work done
1.	JNTUA CEA, Ananthapuramu	Assistant Professor (Adhoc)	11.9 (Till date)	Teaching
2.	Anantha Lakshmi Institute of Technology, Ittukullapalli, Ananthapuramu	Assistant Professor	1.5	Teaching

Publications:

- N. Mounika, Y. Manasa and P. Rizwan “Controlling and Modeling of a Doubly-Fed Induction Generator Based Wind Turbine by using Adaptive Techniques” published in Journal of Systems Engineering and Electronics, Volume 34 Issue 3 2024.
- J. Munibhargavi, Y. Manasa and P. Rizwan “Grid Integration of Direct Drive OMSG Based Wind Power System using Adaptive Controllers” published in Journal of Systems Engineering and Electronics, Volume 34 Issue 3 2024.
- P. Rizwan, Manjula Ganesh and Y. Manasa “Meta Heuristic Algorithm for Placement of EVs and DGs in Conventional and Renewable Energy” published in Journal of Systems Engineering and Electronics, Volume 34 Issue 3 2024.
- P. Rizwan, Chittipireddy Vikas and Y. Manasa “Optimal Power Flow Analysis and Transmission System with JAYA Algorithm for Reducing Power Loss” published in Journal of Systems Engineering and Electronics, Volume 34 Issue 3 2024.
- M. Nikhil, Dr. R. Bhavani and Y. Manasa “Analysis of Sustainable Concrete by using Reliability Methods” published in International Journal of Scientific Engineering and Research Volume 11, Issue 2, Feb. 2023.
- K. Pavitra, Dr J. Sreenivasulu, Dr. M. Anka Rao and Smt. Y. Manasa “Implementation of a Fuzzy Logic Controller for Power Conversation through a PV – Battery Based Multi Bus Power Router System” published in International Research Journal of Engineering and Technology, Jan. 2023.
- K. Lokeswaraiyah, Y. Manasa “Super Capacitor-based Inverter control using Fuzzy Controller Wind Energy System connected to Weak Grid” published in IJITEE, Volume-9 Issue-2, Dec 2019.
- A. Geetha, Y. Manasa “Analysis and simulation of Adaptive Power System with Fuzzy Control of Dynamic Loads” published in JETIR, Aug 2017.
- S.R.S Akhila, Y. Manasa “Advanced Power control Strategy in grid connected PV systems for constant power generation” published in IJR, Volume 04, Issue 09, ISSN: 2348 6848, Aug 2017.
- Sirigi Geetha Vani, Y. Manasa “Simulation of DC Grid Control Based on Modular Multilevel Converters” published in JETIR, ISSN : 2349-5162, Volume 4, Issue 9, Sep 2017, Available at: <http://www.jetir.org/view?paper=JETIR1709033>.
- G. Hema Namratha, Y. Manasa “Islanding Detection Method Based on the Reactive Power Disturbance for Inverter-Based Distributed Generators” published in JETIR, ISSN : 2349-5162, Volume 4, Issue 10, Oct 2017, Available at: <http://www.jetir.org/view?paper=JETIR1710063>.

Conferences/Workshops:

- Bammidi Siddartha, Y. Manasa “Distribution System Reliability Analysis with Wind Energy System and MEV” Published in SCOPES-16.
- Participated in the two-day faculty development program on “**Programming in C and Data structures**” held at JNTUA College of Engineering Ananthapuramu during 25th and 26th march 2015.
- One day workshop on “**Awareness on Power Systems Simulation Analysis using Mi Power Software**” held on 22.09.2015 at JNTUA College of Engineering.
- One day workshop on “**Wind Energy Conversion Systems**” held on 13.04.2016 at JNTUA College of Engineering.
- One day workshop on “**Solar Power Technologies**” held on 20.04.2016 at JNTUA College of Engineering.
- One day workshop on “**Crafting Powerful Questions**” held at JNTUA Ananthapuramu.
- One day Faculty development program on “**21st Century Teaching Strategies**” held at JNTUA College of Engineering on 16th Sep 2017.
- Two-day Faculty development program on “**Prospective Energy Sources of Wind and Solar PV systems**” held at JNTUA CEA on 22nd and 23rd March 2018.
- Two-day Faculty development program on “**Pedagogical Skills for Outcome Based Education Systems**” held at JNTUA CEA on 16th and 17th Nov 2018.
- Three-day Online Faculty development program on “Automation in Industrial Revolution” by Kalasalingam Institute of Technology on 29th June to 1st July 2020.
- One-Week FDP on “Integration of Green Energy with Smart Power Systems” Organized by Department Of EEE, Sathyabama Institute of Science and Technology, Chennai from 22nd June to 27th June.
- International Online One Week Faculty Development Programme on “Industrial Relevance of Electrical Engineering” organized by Electrical and Electronics Engineering Department, BVRIT Hyderabad College of Engineering for Women from 15th to 20th June 2020.
- One-Week FDP on “Machine Learning in Big Data Applications and Security Challenges” organized by MLR Institute of Technology, Dundigal, Hyderabad, from 24th – 29th April 2023.
- One-Week FDP on “Introduction to Artificial Intelligence” organized by G. Pulla Reddy Engineering College, from 9th-14th Oct. 2023.

- One-Week workshop on “VLSI to System Design: Silicon to End Application Approach Introduction to Artificial Intelligence” organized by AICTE Arm Education and STMicroelectronics, from July 31st to 4th Aug. 2023.
- One-Week FDP on “Electric Vehicle Technology” organized by AICTE Training and Learning (ATAL) Academy at P.V.K.K. Institute of Technology, from 26/08/2024 to 31/08/2024.
- One-Week PDP on “EV Design and Applications to Aerospace Systems” organized by Dept. of EEE, JNTUA College of Engineering, Ananthapuramu, from 25/11/2024 to 29/11/2024.
- Got Certificate of Appreciation (Cadferm Prize Winner) from Cadferm India Pvt. Ltd. in Ansys Simulation Competition on 25/11/2024.

Certification Courses:

S. No.	Title of the online certificate course completed	Offered by the organization/platform	Duration, specify dates	Specify Grading/percentage if any
1.	Ethics In Engineering Practice	NPTEL	8 weeks, Aug.- Oct. 2023	50%
2.	Deep Learning	NPTEL	12 weeks, Jul.- Oct. 2023	50%
3.	Research and Publication Ethics (RPE)	IGNOU	8 weeks, 26/02/2023	79%
4.	Efficient HVAC Systems	Edx	April – June 2024	83%
5.	Solar Energy 1	Edx	April – June 2024	86%
6.	Machine Learning at the Edge: A Practical Introduction from Arm	Edx	May-July 2024	83%
7.	Introduction to Web Development with HTML5, CSS3, and JavaScript	Edx	April – June 2024	75%
8.	Soft Skills: Develop Interpersonal Skills	Edx	April – June 2024	90%
9.	Introduction to Cloud Computing	Edx	April – June 2024	94%

Academic Projects Guided/Guiding: 25

Administrative Works Supported:

- Performed Invigilation duties for different exams (End semester examinations, UPSC, Civil Services & CET examinations).
- Work support for Board of Studies for framing Syllabus.
- Work support for NBA, NAAC and NIRF.
- Acting as department Coordinator for NBA and Alumni Matters.

Y. MANASA