



Mr. R. NARENDRA RAO

Electrical and Electronics Engineering Department,

JNTU College Of Engineering,

PULIVENDULA – 516390,

YSR KADAPA(D),

ANDHRA PRADESH, INDIA.

MOBILE : +91 9491944569

✉: rnrao.jntueee@gmail.com

Objective Summary :

To obtain a position as a Assistant Professor that will utilize my strong dedication to student's development and to their educational needs.

Professional Summary :

- More than 17 years Teaching Experience.
- Working as an Assistant Professor in the Department of Electrical and electronics from 2006 to till date
- Have experienced as the project Incharge for Engineering Students.
- Having excellent Analytical, Design and Development.
- Good communication Skill, Proactive listener and the ability to work in a team.

Reasearh Area:

Power Electronic and Drive, Power Converter and Renewable Energy Source.

Educational Qualification :

- Pursuing Ph.D in the Department of Electrical Engineering at Dr .A.P.J.Abdul Kalam University, Indore (M.P).
- Master of Engineering (Power Electronics) from RGPV, BHOPAL, passed at 2006 with 71.87%.
- Bachelor of Engineering in Electrical and Electronics Engineering from J N T UNIVERSITY, passed in july 2001 with 58.4%.
- Intermediate from Board of Intermediate Education A.P, passed in1997 with First Class.
- S.S.C from Board of Secondary Education (AP), passed in 1995 with First Class.

Professional Experience :

- Worked as Lecturer in Samrat Ashok Technology Institute Of Engg from Mar 2006 - November 2007
- Worked as Lecturer in JNTUA COLLEGE OF ENGINEERING, Pulivendula from Oct 2010 – Till date .

Professional Services:

- Presently Serving as **Honorary Secretary** of the The Institution of Engineers (India) IEI, Kadapa Local Centre for the sessions 2021-2022 and 2022-2023.
- Served as The Institution of Engineers (India) Kadapa Local Centre as **Executive Committee Member** in the Division of Electrical & Electronics Engineering (EEE) from the sessions 2018-2020 & 2020-2021.
- Invited as Keynote speaker for events in various Engineering Colleges.

- Acted as the Advisory Committee Member for various national level student technical symposiums and workshops, being organized by JNTUA College of Engineering Pulivendula in Association with The Institution of Engineers(India), Kadapa.
- Acted as Judge for Technical Students Symposiums in Dept.of EEE, JNTUACEP Engineering Colleges.
- Acted as Judge for Technical Activities in The Institution of Engineers(India), Kadapa Local Centre on the Occasion of Engineers Day Celebration.

Awards: 03

- Received BEST ENGINEER AWARD 2022, The Institution of Engineers (India) Kadapa Local Centre on the Occasion of 55th Engineers Day Celebration, 15th Sep 2022.
- Received GURU SPANDANA PURASKAR AWARD 2022 , Spandana Eda International Foundation in Association with Department of Psychology ,Yogi Vemana University ,Kadapa. – Nov 2022.
- Received BEST ENGINEER AWARD 2017, The Institution of Engineers (India Kadapa Local Centre on the Occasion of 50th Engineers Day Celebration, 15th Sep 2017..

Software Skills :

- MAT Lab,
- P-Spice
- C & Keil C51 (8051 Micro controller).

Hardware Skills :

- PCB Design
- Circuit Design
- Hardware setup & Assembly

Subjects Taught :

Post Graduate level

- HVDC Transmission
- FACTS
- Switched Mode Power Converters
- Modern Power Electronics
- Power Electronics Devices & DC converter
- Electric Drives
- Microprocessors and Microcontrollers
- Reactive Power Compensation and Management

Under Graduate level

- Power Electronics
- Basic Electrical Engineering
- HVDC Transmission
- Renewable Energy Sources
- Microprocessors and Microcontrollers
- Power system analysis
- Power semiconductor Drives
- Basic of Non Conventional Energy Sources

LABS HANDLED:

- Electrical Machines – I Lab
- Electrical Circuits Lab
- Power Electronics Lab
- Electrical Engineering Lab
- BEEE Lab
- Power system and simulation Lab

- Machines and Power systems Lab
- Networks & Electrical Engineering Lab
- Power Converters & Drives Lab
- Power System Protection Lab
- Advanced Power Converters Lab
- Design and Simulation of Power Electronic Circuit Lab
- Power Converters & Energy Lab

PROJECTS GUIDED:

- 16 Projects Guided for B.Tech.
- 5 Projects Guided for M.Tech.

Scopus/Orcid/web of science/Vidwan Details:

- **Scopus Authod ID** : 58033582800
- Web of Science Researcher **ID: GZG-4135-2022**
- **ORCID** : <https://orcid.org/0000-0001-8412-856X>
- **VIDWAN ID** : **322245**

Memberships in Professional Organizations :

Member of Institution of Engineers (India) - MIE (M-1479797)
 Life Member of ISTE - MISTE (LM-93822)
 IAENG (139731)

Expert Lecture Delivered: 10

- Expert lecture on “ROLE OF ELECTRICAL ENGINEER IN THE DEVELOPING NATION” held at IEI Local centre, kadapa, 26th November 2022.
- Expert lecture on “ELECTRIC VEHICLE STATION USING RENEWABLE ENERGY SOURCE ” held at IEI Local centre, kadapa, 21st October 2022.
- Expert lecture on “NEW TECHNOLOGIES AND RENEWABLE ENERGY” held at IEI Local centre, kadapa, 20th Aug 2022.
- Expert lecture on “POWER CONVERTERS AND DRIVES ” held at IEI Local centre, kadapa, 30th April 2022.
- Expert lecture on “FACTS CONTROLLERS ” held at IEI Local centre, kadapa, 29th January 2022.
- Expert lecture on “SMART DISTRIBUTION GRID” held at IEI Local centre, kadapa, 18th December 2021.
- Expert lecture on “FUTURE ELECTRICITY SYSTEMS ” held at IEI Local centre, kadapa, 26th November 2021.
- Expert lecture on “HVDC POWER TRANSMISSION” held at The Institution of Engineers (India), kadapa, 06 Oct 2018.
- Expert lecture on “FUTURE TRENDS OF POWER ELECTRONICS” held at The Institution of Engineers (India), kadapa, 12 Aug 2018. .
- Expert lecture on “FUTURE ROLE OF POWER ELECTRONICS IN POWER SYSTEMS” held at IEI Local centre, kadapa, 06 April 2016.

Papers published:

International Journals: 08

- R. Narendra Rao “Study and analysis of modified LMF control method for power quality improvement” International Journal of Power Electronics and Drive Systems (IJPEDS) (ISSN 2088-8694), Vol. 14, No. 2, June 2023. DOI: 10.11591/ijpeds.v14.i2.pp992-1000.

- R. Narendra Rao “Voltage regulation of DC micro grid system using PV and battery coupled SEPIC converter ” International Journal of Power Electronics and Drive Systems (IJPEDS) (ISSN 2088-8694), Vol. 14, No. 1, March 2023. DOI: 10.11591/ijpeds.v14.i1.pp41-50.
- R. Narendra Rao “ Electrical Power Generation by Hybrid Technology (wind & piezo) ” Mukta Shabd Journal, October /2022, Volume XI, Issue X, UGC Listed (DOI: 09.0014.MSJ).
- R. Narendra Rao “Improved Interleaved High Step-Up Converter With Efficiency Having L-C-L Filter For Renewable Energy Applications” Mukta Shabd Journal, MAY/2022, Volume XI, Issue V, UGC Listed (DOI: 09.0014.MSJ).
- R. Narendra Rao “A Novel Control for Inverter to Improve the Frequency Response of Micro Grids under Transient Conditions” International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE) (ISSN 2321-5526), Vol. 4, Issue.11, Nov-2016.
- R. Narendra Rao “A New Control Scheme for Voltage Regulation in Micro Grids to Ensure Maximum Power Point Tracking (MPPT)” International Journal of Magazine of Engineering, Technology, Management and Research (IJMETMR) (ISSN 2348-4845), Marh-2015.
- R. Narendra Rao and Dr.V.Ganesh “Design and Implementation of PLC Controllers For Different Engineering Applications” International Journal of International Journal of Electronics & Communication Technology (IJECT) (ISSN 2230-7109) Vol. 5, Issue.3, Sep-2014.
- R. Narendra Rao and Dr.V.Ganesh “ Five Level Inverter For Off Grid Connected Pv System Employing PI And PID Controllers ” International Journal of Electrical and Electronics Engineering & Telecommunications (IJEETC) (ISSN 2319-2518) Vol. 3, No.2, April-2014.

Workshop/Seminar Organized:

- Acted As Advisory Committee Member of a National Level One Day Workshop “ Data Science ” Organized by J.N.T.U.A. College of Engineering Pulivendula, in Association The Institution Of Engineers (India), Kadapa, on 29th April 2023.
- Acted As Advisory Committee Member of a National Level One Day Workshop “ QGIS ” Organized by J.N.T.U.A. College of Engineering Pulivendula, in Association The Institution Of Engineers (India), Kadapa, on 15th March 2023.
- Acted as Co-ordinator for “ PHASOR 2K18” A National level student technical symposium Organized by Department of Electrical & Electronic Engineering J.N.T.U.A. College of Engineering Pulivendula, on 12th & 13th 2018.
- Organized a National Level One Day Workshop “ Design of Electrical Vehicles by using Matlab” Department of Electrical & Electronic Engineering J.N.T.U.A. College of Engineering Pulivendula, in Association The Institution Of Engineers (India), Kadapa, on 17th March 2023.
- Organized a National Level One Day Workshop “SCADA” Department of Electrical & Electronic Engineering J.N.T.U.A. College of Engineering Pulivendula, in Association The Institution Of Engineers (India), Kadapa, on 16th March 2023.

Workshop/Seminar Attended: 20

- Two days National Seminar on “Recent Trends in Machine Learning and Deep Learning Applications(RTMDA-2023)” Organized by Department of Computer Science and Technology, Yogi Vemana University, kadapa(A.P), India, on 27th to 28th March 2023.
- Attended one week National level work shop on “ECAD for Buildings” Organized by Department of Electrical & Electronic Engineering , J.N.T.U.A. College of Engineering Pulivendula – 10th to 16th October 2022.
- One day Online Webinar on “Energy Efficiency And Energy Management ” Organized by West Bengal State Centre of The Institution of Engineers (India) under the aegis of Electrical Engineering Division on 23/09/2022.

- One day Online Webinar on “Development Of Lithium Ion Battery /Sodium Ion Batteries For Commercial Applications” Organized by Durgapur Local Centre of The Institution of Engineers (India) under the aegis of Chemical Engineering Division on 23/06/2022.
- One day Online Webinar on “World’s largest Hands-On workshop on Dart programming language ” Organized by Computer Science and Engineering Department of JNTUA College of Engineering Pulivendula in association with Brainovision Solutions India Pvt. Ltd. held on 27/07/2020.
- One day International Webinar on “Solar Energy Introduction and Current Trends in India ” Organized by T&P Cell of Sri Venkateshwarra College of Engineering and Technology, Puducherry on 17th July 2020.
- One day Webinar on “ Trends in Automotive Electronics ” Organized by Ekalavya Group of Technologies Tirupati on 30th June 2020.
- One day Online Webinar on “ Effective Role of Teachers in Enhancing Standards of Technical Education ” Organized by Department of Electrical & Electronic Engineering ,Githanjali Institute of Science and Technology, in Association with The Institution of Engineers(India), on 6th June 2020.
- One day Online Webinar on “Power Intelligence & Asset Management in Smart Grids ” Organized by Department of Electrical & Electronic Engineering ,Anurag University, Hyderabad on 30th May 2020.
- One day International Webinar on “ INTELLIGENT CONTROL SYSTEMS ” Organized by Department of Electrical & Electronic Engineering ,New Horizon College of Engineering,Banglore on 29th May 2020.
- One day Workshop on Global Competitiveness JNANABHERI (knowledge summit) Yogi Vemana university, kadapa.4th Dec 2018.
- Three-Day National Level Hands on Training Programme on “Paper and Article Writing with LATEX” Organized by JNTUACEP, Pulivendula, in 17th to 19th March 2017.

- Two days National Level Workshop on “Research Methodology in Science and Technology” Organized by JNTUA College of Engineering(Autonomous), Pulivendula. 17th to 18th Oct 2016.
- Two-Day National Level Hands on Training Programme on “Smart Grid technology adoption in power utilities and integrating the latest IT-OT trends” Organized by JNTUA College of Engineering (Autonomous), Pulivendula, 23rd & 24th Sep 2016.
- Two days National Level Workshop on “Graphical System Design Approach in Engineering & Research ”Organized by JNTUA College of Engineering (Autonomous), Pulivendula. 19th to 20th Aug 2016.
- Two-Day National Level Hands on Training Programme on “MSP430 &TIVA Microcontrollers” Organized by JNTUA College of Engineering(Autonomous), Pulivendula. 23rd to 24th July 2016.
- Two-Day National Level Hands on Training Programme on “Analysis of Power Systems By Using NEPLAN Software(APSNS-2014)” Organized by JNTUACEP, Pulivendula, in Jan-2014.
- Three days National Level Workshop on “Voltage Instability in Power Systems ” Organized by Sagar Institute of Technology, Hyderabad,in Jan 2014.
- Two days National Level Workshop on “ Thrust Area in Power Systems” Organized by JNTUACEP,Pulivendula, in Nov-2011.

Orientation/Skilled Courses Attended: 04

- Attended 30 days APSSDC Sponsored Online Course on “Artificial Intelligence 3.0” Organized by Pantech e Learning Pvt Ltd, during 24thApril 2023 to 23th May 2023.
- Attended 30 days APSSDC Sponsored Online Course on “REACT JS” Organized by Pantech e Learning Pvt Ltd, during 10thApril 2023 to 12th May 2023.

- Attended 30 days APSSDC Sponsored Online Course on “Embedded Systems” Organized by Pantech e Learning Pvt Ltd, during 27th March 2023 to 27th April 2023.
- Attended 30 days APSSDC Sponsored Online Course on “Python Full Stack Development” Organized by Pantech e Learning Pvt Ltd, during 28th Feb 2023 to 29th March 2023.

FACULTY DEVELOPMENT PROGRAMME: 20

- A “ Five days National Level online Faculty Development Program on "Python For Electrical & Electronics Engineering: A Faculty Development Program On Python Applications" Organized by the Dept. of EEE, Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous), Nandyal during 27 March to 31 March 2023.
- A Six day National Level Online Workshop on “Effective Filing of NAAC AQAR - Streamlining Institutional Performance” held on 13th to 18th March, 2023 organized by IQAC, Vardhaman College of Engineering, Hyderabad.
- One Week Online Faculty Development Program On “ Opportunities and Challenges in IT Sector: Software Mastery Bootcamp Unlock your Potential ” Organized by Department Of Electrical and Electronics Engineering in association with Department Of Emerging Technology in Computer Science and Microcare Academy ,GPRE ,Kurnool 6th to 11th March 2023.
- A One Week National Level online Faculty Development Program on “Risk Assessment and Management of Marine Disaster ” Organized by Department Of Marine Engineering, AMET University, Chennai during 14th to 19th Nov 2022.
- One Week Online Faculty Development Program On “ Recent Advance in Electrical Engineering ” Organized by Department Of Electrical and Electronics Engineering in association with IEEE Anthapuram Subsection and IEEE Student Branch of G.Pulla Reddy Engineering college ,Kurnool 17th to 21st Oct 2022.

- A “ Five days National Level online Faculty Development Program on Research Methodology ” Organized by Mallareddy Engineering for Women , Hyderabad during 27th to 31st July 2020.
- A Five days National Level online Faculty Development Program on “ Building New Dimensions Towards Faculty Empowerment ” Organized by Department Of Electrical and Electronics Engineering and R&D Center,TCE,Gadag, during 27th to 31st July 2020.
- A One Week National Level online Faculty Development Program on “Current Research Trends in Power Systems & Power Electronics ” Organized by Department Of Electrical and Electronics Engineering, Vignan’s Nirula Institute of Technology & Science for Women , Guntur during 20th to 25th July 2020.
- A One Week online Faculty Development Program on “Research Trends in Management ” Organized by Gates Institute of Technology, Ananthapuramu during 13th to 19th July 2020
- Five days online Faculty Development Program on “ Insight of control systems and signal Processing: Theory to practice ” Organized by Department Of Electrical and Electronics Engineering, Sasi Institute of Technology & Engineering, Tadepallegudem during 02nd to 06th July 2020
- Attended A Five Day Online Faculty Development Program On “Insights of control systems & signal systems” Organized by Department Of Electrical And Electronics Engineering, SITE, Tadepalligudem, Andhra Pradesh, from 2nd to 6th July 2020.
- Attended A One Week Online Faculty Development Program On “Open Modelica and Open IPSL” Organized by V.K.R, V.N.B & A.G.K College of Engineering, Gudivada, Andhra Pradesh, from 17th to 23rd June 2020.
- Five days online Faculty Development Program on “Research Trends in Image Processing” Organized by Gates Institute of Technology, Ananthapuramu during 15th to 19th June 2020
- Attended A Five Day Faculty Development Program On “Electric Power Grid Modernization Trends Challenges And Opportunities” Organized by Department Of

Electrical And Electronics Engineering, KITS, Guntur, Andhra Pradesh, from 9th to 13th June 2020.

- Attended Online Faculty Development Program on “Effective role of teachers in Enhancing standards of Technical Education-GIST” Organized by the Department of EEE. Geethanjali Institute of Science and Technology, Nellore on 6th June 2020.
- Five Day Faculty Development Program On “Technological Advances In Power Switching Converters For Renewable Energy Sources And Fuel Cell Technologies For E-Vehicles” Organized by Bapatla Engineering College,Bapatla, from 1st to 5th June 2020.
- One Week Online Faculty Development Program On “Power Electronics Applications On Smart Grid And Electric Vehicles” Organized by Santhiram Engineering College, Nandyal, from 26th to 31st May 2020.
- Attended a Two Day faculty development program on “Real Time Hardware in the Loop (HIL) Simulation for Power Electronic and Power Systems ” Organized by Department of Electrical & Electronic Engineering ,Anurag University, Hyderabad on 27th -29th May 2020.
- One Week Online Faculty Development Program on “Research Challenges in Electrical Engineering [RCEE]-2020” conducted by Ramachandra College of Engineering,Eluru, from 18th to 23rd May 2020.
- Attended a Two Day faculty development program conducted by Sri Sai Institute of Technology and Science from 20th-21th May-2019.

Personal Details

Name : R.Narendra Rao
Ph No : +91- 9491944569
Email id : rnrao.jntueee@gmail.com
Gender : male
Nationality : Indian
Languages Known : Telugu, English and Hindi
Permanent Address : D.No:1/2229
A.P Housing Board Colony,
Kadapa – 516004,
Andhra Pradesh.

Declaration:

I here by declare that the details furnished above are true to the best of my knowledge.

Date:**Place:** Kadapa**(R.Narendra Rao)**