

RESUME

Dr RAJESH THIPPARAJU

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Professional Goals & Objectives :

- Development faculty and the institution in all aspects by creating a strong **IQAC Cell** and playing a key role in an institution **Accreditations** Like NBA, NAAC , UGC Autonomous etc and **Rankings** like NIRF, NIRF-Innovation , IIC Ranking, Times Ranking etc.
- My expertise lies in NBA and NAAC accreditation and rankings, specifically NIRF and NIRF Innovation Ranking.
- Take-up inter-disciplinary research and attempt to develop a team of researchers to work in emerging areas Power systems, power quality, distribution Generation, Smart Grid Communications and Energy management.

PROFESSIONAL MEMBERSHIPS

1. Life time Member in Institute of Engineers **M-1648173**
2. Life time member in Indian Society For Technical Education **LM-127434**
3. Life time member in **IAENG-214769**

Working Experience:

- Currently Working as a **Dean (Quality Development)** and **Associate Professor in Department of Electrical and Electronics Engineering** at “ **J.B. Institute of Engineering and Technology (UGC AUTONOMOUS)** ” Moinabad, HYDERABAD from FEB 2019 to till date.
- Worked as **Assistant Professor in Department of Electrical and Electronics Engineering** at “ **Jyothishmathi Institute of Technological sciences** ” Karimnagar from 10/06/2013 to 04/02/2019.

Responsibilities at JBIET

- **Dean Quality Development**
- **Incharge Dean IQAC**
- **KPI/KRA S Co-ordinator**

- **NAAC Co-ordinator**
- **NBA Co-ordinator**
- **NIRF Ranking Co-ordinator**
- **NIRF-Innovation Co-ordinator**
- **UGC Autonomous Works**
- **AICTE Affiliation works**
- **JNTUH Affiliation Works**
- **College Website Advisor**
- **IEI Student Local Chapter Co-ordinator**
- Co-Coordinator for R20 Academic syllabus framing for III and IV years
- Co-Coordinator for R18 Academic syllabus framing for III and IV years
- College Level NBA Criteria 9 Department Co-ordinator
- Student counseling Committee Member

Education Profile:

Educational Qualification	Institution	Year of passing	% of marks
Ph.D (EEE)	OPJS University , Rajasthan	2018	
M.Tech(PE&ES)	Sree Chaitanya College of Engineering	2013	67.9%
B.Tech (EEE)	Vivekananda Institute of Technology & science (VITS), Karimnagar	2008	60.8%
Intermediate	GEMS Junior College, Kaman Road, Karimnagar.	2004	67.7%
SSC	MAHATHI High School, Vavilalapally, Karimnagar.	2002	66.8%

*****Ratified With Ph.D. under JNTUH in March 2019 & Qualified in GATE 2013**

Journals published:

1. Published a journal in International Journal Of Renewable Energy Research, Vol.14, No.1, March, 2024 entitled “Energy Storage Systems Using Renewable Energy for Systems With Grid Integration”

2. Published a Journal in **IEEE Xplore** Part Number: CFP23K74-ART; Journal entitled “**Uncertainty Management in Electrical Power Systems**” ISBN: 979-8-3503-9725-3.
3. Published a journal in International journal of systems design and information processing (SDIP) the paper entitled “**Integrating Advanced SVPWM Control for High Performance Multi level Inverters in Smart Grids**” ISSN: (Print): 2319-9288 | (Online): 2321-0591
4. Published a journal in International journal of systems design and information processing (SDIP) the paper entitled “**A Fuzzy Logic Controller Integrated Hybrid Power Generator: Power Management Algorithm, Important Characteristics, and Implementations**” ISSN: (Print): 2319-9288 | (Online): 2321-0591
5. Published a Journal in GIS SCIENCE JOURNAL The paper entitled “**Synthesis, Characterization, Electrical and Sensing Properties of Polypyrrole Nanocomposites**” ISSN 2651-4451.
6. Published a Journal in Turkish Journal of Physiotherapy and Rehabilitation The Journal entitled “**A NEW Z-SOURCE INVERTER FOR APPLICATION IN WIND ENERGY CONVERSION SYSTEM**” ISSN 2651-4451 | e-ISSN 2651-446X
7. Published a Paper in International Journal of Early Childhood Special Education (INT-JECS) The Journal entitled “**MACHINE LEARNING BASED RENEWABLE ENERGY SYSTEMS**” ISSN: 1308-5581 Vol 14, Issue 03 2022
8. Published a Journal in JOURNAL OF CRITICAL REVIEWS The Paper entitled “**Power Quality Analysis Of Multilevel Renewable Energy Sources**” ISSN- 2394-5125 VOL 7, ISSUE 18, 2020
9. Published a Journal in Journal of Interdisciplinary Cycle Research The Paper entitled “**Analysis Of Pv Integrated Upqc System Using Renewable Energy Sources**” ISSN NO: 0022-1945 Volume XII, Issue VII, July/2020
10. Published a Journal in IJAEMA (The International journal of analytical and experimental modal analysis) The Paper entitled “**Load Frequency Control Of Micro Hydro Power Plant And Wind Energy Converter (Wind Turbine) Using Fuzzy Logic Controller**” ISSN :0886-9367 Volume 12, Issue 3, March 2020
11. Published a Journal in JETIR(Journal of emerging technologies and innovative research) The Paper entitled “**An improved dc-link voltage control strategy for grid connected converters using fuzzy logic control**” ISSN:2349-5162 Vol 7 issue 2
12. Published a Journal in JETIR(Journal of emerging technologies and innovative research) The Paper entitled “**Design and simulation of grid connected pv system using MPPT**”
13. Published a Paper in A Journal of Advances in Management IT & Social Sciences. The Paper titled “**Grid Integration Inverter And Power Quality Issues Of Wind turbine Technology, Solar Energy System**”

14. Published a Journal in A Journal of International Journal in IT and Engineering The Paper titled “**Power Control Electronics And Its Strategies: Grid Interconnected Res**”
15. Published a Journal in IJERA (International Journal of Engineering Research and Application). The Paper titled ” **Power Quality Improvement at Distribution Level for Grid connected Renewable Energy Sources** ”
16. Published a Journal in IJERA (International Journal of Engineering Research and Application). The Paper titled ” **Three Phase Indirect Matrix Converter Act as a DC/DC Boost Converter** ”
17. Published a Journal in IJEIT (International Journal of Engineering and Innovative Technology). The Paper titled ” **Characteristics comparison of Brushless DC motor drive using PI and PWM Techniques**”
18. Presented a Paper at National Conference “**Emerging Trends in Mechanical & Electrical Engineering (NCETMEE-12)**” Organized by Department of EEE & Mech ,Integral University , Lucknow. This paper Published in NCETMEE-12 Proceedings.
19. Presented a Paper at National Conference “**Innovative Smart Grid Technologies**” Organized by Department of EEE, AISSMS College of Engineering Pune. This paper Published in AISSMSCOE Proceedings.
20. Presented a Technical Paper at ISTE Approved National Workshop on “**Recent Trends in Electrical Power Systems**” Organized by department of EEE, VITS Karimnagar.

Book/Book Chapter:

1. Published a Book in Scientific internal publishing house (SIPH) with the title “Power Quality in Electrical Power Systems.

Patents:

1. Design patent Grant on “MINI ELECTRIC SCOOTER” Design No. : 396705-001 date of grant 21-12-2023.
2. **Patent Grant** on “Artificial Intelligence-Based Healthcare System For Continuous Health Monitoring And Predicting Diseases In Its Early Phase”. **REPUBLIC OF SOUTH AFRICA PATENTS.** (Application No: **2022/12742**) ,**Date of filing:** 23 NOV 2022 , **Date of Publication:** 22 FEB 2023
3. **Patent Grant** on “ Real Time Early Fault Prediction Of Switched Reluctant Motors For Automotive Applications ” **Patent number:** 2021102237 Austarian Patent **Date of Publication:** 02-06-2021
4. Patent Published on “Battery Management System For Green Energy Storage”. **Indian Patent Office Journal.** (Application No:202241067606 A) ,**Date of filing:** 24 NOV 2022 , **Date of Publication:** 02 DEC 2022

5. Patent Published on “Integrating Electric Vehicles To Achieve Sustainable Energy As A Service Business Model In Smart Cities”. **Indian Patent Office Journal**. (Application No: 202241068816 A) ,**Date of filing:** 29 NOV 2022 , **Date of Publication:** 02 DEC 2022
6. Patent Published on “Automated Iot Based Smart Toilet For Kidney Diagnosis”. **Indian Patent Office Journal**. (Application No:202041026097) ,**Date of filing:** 20 June 2020 , **Date of Publication:** 07 July 2020 ,**Journal No:** 28/2020 ,**Page No:** 25956
7. Patent Published on “Iot Enabled Calorie Counter Wristwatch”. **Indian Patent Office Journal**. (Application No:202041026097) ,**Date of filing:** 15 July 2020 , **Date of Publication:** 31 July 2020

Lecture given at FDP:

- A session taken in One week Faculty devolvement program on Emerging Trends in Power & Energy : A Research Prospective on **Scope of Research in Solar systems** at JBIET on 11th Aug 2019

Organized FDP/Workshop/Webinar as a Co-Ordinator:

1. Organized One Day Webinar on “ **HOW TO BECOME A GOOD ENTREPRENEUR**” on 28-07-2022 at J B Institute Of Engineering And Technology , Moinabad.
2. Organized Three Day Faculty Development Program on “**Emerging Research Opportunities In Electrical Engineering**” from 11-06-2020 to 13-06-2020 at J B Institute Of Engineering And Technology , Moinabad.
3. Organized One Day Webinar on “ **Modelling & Simulation of FACT Controllers using MATLAB** ” on 10-06-2020 in association with Pantech E Learning at J B Institute Of Engineering And Technology , Moinabad.
4. Organized One Day Webinar on “ on “**Electric Mobility-History and Technology**” on 22-05-2020 at J B Institute Of Engineering And Technology , Moinabad.
5. Organized Two Day National Level Workshop on “ **RECENT TRENDS IN ELECTRICAL ENGINEERING** ” from 22-12-2019 to 23-12-2019 at J B Institute Of Engineering And Technology , Moinabad.

FDP S/ Workshop/ Seminars/ Webinars Attended:

1. Attended two days workshop on “**Capacity building of teachers for Quality Education**” Conducted by Institute of Academic Excellence (IAE) During 13th and 14th December 2023
2. Attended two days 5th National Level workshop on “**NIRF India Ranking 2023 for Higher education Institutions and health science institutions**” Conducted by Institute of Academic Excellence (IAE) during 22nd and 23rd November 2023.

3. Attended two days National Level workshop for Higher education Institutions on **“Transformation through NAAC Accreditation Process”** Conducted by Institute of Academic Excellence (IAE) during 30th and 31st October 2023.
4. Attended two days 2nd National Level workshop on **“Curriculum Framework Undergraduate Programme: Engineering, General Degree Courses.”** Conducted by Institute of Academic Excellence (IAE) During 17th & 18th March 2023
5. Attended a brain storming session on **“Leadership Development Programs for Academic Administrators of Universities/ Higher Educational Institutions on Good Governance and Smart Administration”** Conducted by Institute of Academic Excellence (IAE) on 9th January 2023.
6. Attended two days 4th National Level workshop on **“NIRF India Ranking 2023 for Higher education Institutions and health science institutions”** Conducted by Institute of Academic Excellence (IAE) during 21st and 22nd December 2022
7. Attended one day workshop on **Awareness Program on Intellectual Property Rights (IPR) (Patents / Designs / Trade Marks / Copy Rights)** Conducted by Commissionerate of Collegiate & Technical Education, Govt of Telangana & Institute for Academic Excellence (IAE) in collaboration with Indian Patent office, Chennai, Govt of India during 15th and 16th December 2022
8. Attended two days National Level workshop for Higher education Institutions on **“Transformation through NAAC Accreditation Process”** Conducted by Institute of Academic Excellence (IAE) during 20th and 21st June 2022.
9. Attended two day National Level workshop on **“Curriculum Framework Undergraduate Programme: Engineering, General Degree Courses.”** Conducted by Institute of Academic Excellence (IAE) During 21st and 22nd March 2022
10. Attended two days National Level workshop on **“NIRF India Ranking 2022 for Higher education Institutions”** Conducted by Institute of Academic Excellence (IAE) during 05th and 06th January 2022
11. Attended a seminar on **“Approaches for better implementation of National Educational Policy (NEP) – 2020** in the state of Telangana” on 30th December 2021.
12. Attended two days National Level workshop for Higher education Institutions on **“Transformation through NAAC Accreditation Process”** Conducted by Institute of Academic Excellence (IAE) during 21st and 22nd June 2021.
13. Attended One week online Faculty Development on **“Moodle - Learning Management System(Online)”** in Association with Spoken Tutorial, IIT Bombay. Tagore Institute of Engineering and Technology, Thalavasi, Attur, Tamilnadu, from 04.05.20 to 09.05.20.
14. Attended Five Days Faculty Development Program on **"eSim” (free open source software for circuit design, simulation and PCB design)** from 05th May - 09th May 2020. organized

- by All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT), Pune in association with IIT Bombay Spoken-Tutorial
15. Attended One Week Faculty Development Programme on “ **Renewable energy sources**” from 15/05/2020 to 21/05/2020 organised by Cummins college of engineering for womans ,Nagpur
 16. Attended One Week Faculty Development Programme on “ **Artificial Intelligence** ” from 22/05/2020 to 26/05/2020 organised by BVRIT Womans.
 17. Attended One Week Faculty Development Programme on “ **Innovation to Academicians** ” 11/05/2020 to 16/05/2020 organised Ramachandra College Engineering , Eluru.
 18. Attended Five Days Webinar Series on “**Design, Simulation and Development of Unmanned Aerial Vehicles (Drones) & Applications**” from 06/05/2020 to 09/05/2020 in Various Engineering Sectors offered by Rajararambapu Institute of Technology, Islampur, Sangli, Maharashtra in association with NAFEMS, India.
 19. Attended a Short term Course on "**Insights into Quality Research and Innovation**" from 01.06.2020 to 05.06.2020 organised by Vivekananda College of Engineering For Women (Autonomous)
 20. Attended One Week Faculty Development Programme on " **Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles** " from 01.06.2020 to 05.06.2020 organised by Bapatla Engineering College , AP.
 21. Attended One Week Faculty Development Programme on “ **Explore electrical Engineering in Industrial Applications**" from 15.06.2020 to 19.06.2020 organised by Manakula Viyengar institute of Technology , Puducherry.
 22. Attended Five day Faculty Development Programme on " **Power Electronic Applications to Renewable energy systems and Energy storage systems**" from 06.07.2020 to 10.07.2020 organised The National Institute Of Engineering, Mysore.
 23. Attended one week Faculty Development Programme on " **Electric Vehicles Design, Development & Challenges** " from 15.07.2020 to 21.07.2020 organised by Sridevi Women’s Engineering college in association with Skill Shark.
 24. Attended Five day Faculty Development Programme on " **MATLAB and its Applications in Electrical Engineering** " from 20.07.2020 to 24.07.2020 organised by S.V. Engineering College , AP.
 25. Attended One Week Faculty Development Programme on " **Recent technological advances in Power Systems and Power Electronic Drives**" from 27.07.2020 to 31.07.2020 organised by Sreenidhi Institute of science and technology, Telangana In collaboration with PWSIM Engg Solutions, Bangalore

26. Attended Five day Faculty Development Programme on " **Insight of control systems and signal processing** " from 02.07.2020 to 06.07.2020 organised by Sasi institute of technology & Engineering , AP.
27. Attended One week Faculty development program at VJIT on "**Effective Teaching and Research skills**" from 5th to 11th Nov 2019
28. Attended One week Faculty devolvment program at JBIET on "**Trends in power & energy : A Research Prospective** " from 7st Aug to 13th Aug 2019
29. Attended One week Faculty devolvment program at JBIET on "**Pedagogical research , Technical writing and publication** " from 1st Aug to 7th Aug 2019
30. Attended One week Faculty devolvment program at JBIET on "**Pedagogical Techniques for effective teaching** " from 4th to 6th July 2019
31. Attended a One Day National Work Shop On" **Significance of MATLAB in application of Emerging Technologies** " Organized by department of EEE, CBIT , Hyderabad
32. Participated in "**NPTEL Workshop For Teachers Of Engineering Colleges**" Organized by CET (Centre for Educational Technology) At IIT Kharagpur.
33. Attended three days Conference "**XIX Congress & National Conference on Mathematical aspects of Cryptography and Network Security** "Organized by APSMS (Andhra Pradesh State Mathematical Society) At, Jyothishmathi Institute of Technology & Sciences, Karimnagar.
34. Attended a Two Day National Work Shop On" **Recent Trends In Power Electronics And Power Systems**" Organized by department of EEE, **GITAM University** Hyderabad Campus.
35. Organizing committee member of National workshop on "**Recent Trends in Power Systems and Power Electronics**" Organized by Dept of EEE, Jyothishmathi Institute of Technology & Sciences, Karimnagar.
36. Attended a Two Day National Work Shop On "**SCADA and its Applications**" Organized by department of EEE, Jyothishmathi Institute of Technology & Sciences, Karimnagar.

Strengths:

- I can perform very well in stiff conditions.
- Hardworking and motivating.
- Good Team Management Skills
- Confident and optimistic in arriving at a solution.

Personal Skills:

- Strong aptitude towards learning new things.
- Ability to interact with people at various levels.
- Passion for working with people

Languages:

- English : Full Professional Proficiency
- Hindi : Full Professional Proficiency
- Telugu : Native or Bilingual Proficiency

Declaration:

I hereby declare that the all the above personal and technical details are true to my knowledge and best of my belief.

Date: 25-05-2024

(Dr RAJESH T)

References:

1. **Dr P C Krishnamachary**
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2. Dr. G. Sridhar

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3. Dr L Sridhararao

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