

Name of Faculty Dr. M.Sri Suresh

Designation Asst. Professor

Nature of Job/Appointment Contract

Date of Joining 06-03-2024



E-mail mavurisrisuresh_eee@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Electrical Engineering)	Awarded
PG	M. Tech. (Power Systems)	First Class
UG	B. E (EEE)	First Class

Work Experience

Teaching	07 Years 6 months
Research	---
Industry	--
Others	--

Area of Specialization Power Systems

Professional Memberships Member, IAENG Number: 233185.

Responsibilities held at Institution Level

- Responsibilities held at Department Level
1. Department Upskill certification program coordinator
 2. Department co-po attainment coordinator
 3. Student Mentoring

Research Guidance --

Awards Received --

- Courses Handled at Under Graduate / Post Graduate Level.
1. Electromagnetic Field theory
 2. Electrical Circuits.
 3. Power System Analysis and stability.
 4. Power System Operation and Control.
 5. Basic Electrical Engineering.
 6. Network Analysis.
 7. Control Systems.
 8. Power Systems –II.
 9. Electrical Circuit analysis.

No. of Papers Published

National Journals – 02	International Journals – 06
National Conference – ---	International Conference – 04

Projects Carried out --

Patents 01

Technology Transfer --

Invited Speaker

01

No. of Books/Chapter Published with details

1. **Power management of photovoltaic system with BESS under partial shading conditions**
Distributed Energy Storage Systems for Digital Power Systems 2024 | Book chapter | <https://doi.org/10.1016/B978-0-443-22013-5.00005-8>.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).

1. Mr.M.Sri Suresh attended and actively participated in an Online Short Term Training Program (STTP) on Electrical Safety-Challenges and Solutions (under the aegis of National Safety Council, CEA) on the occasion of Electrical Safety Week, Organized Dept. Of EEE of CBIT, Gandipet, Hyderabad held from 26-6-2024 to 02-7-2024.

2. Mr.M.Sri Suresh attended and actively participated in One-week National Level Online Faculty Development Program on "Aiming Towards 3D's in Electrical Engineering" Organized by Dept. Of EEE of MGIT, Gandipet, Hyderabad held from 11-3-2024 to 15-03-2024.
3. I have participated in one week AICTE STTP on "Smart Microgrid and its Future Trends" Organized by Department of Electrical & Electronics Engineering, Lendi Institute of Engineering & Technology (A), Jonnada, Vizianagaram from 14/06/2021 to 19/06/2021.
4. AICTE Sponsored Six Days Online Short Term Training Program (STTP) "TECHNICAL WRITING & RESEARCH METHODOLOGY" held on December 14 – December 19, 2020 organized by Department of Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology, Proddatur, in association with All India Council for Technical education.
5. I have participated in one week Faculty Development Program on "Contemporary Challenges in Electrical Engineering and Aiding Technologies" Organized by Department of Electrical & Electronics Engineering, St. Joseph College of Engineering from 06/07/2020 to 10/07/2020.
6. A Five day National FDP on "Micro-Controller Based Embedded System Design" on on-line during 04-05-2020 to 08-05-2020. I have participated in one week Faculty Development Program on "Power Electronics Applications in Power Systems" Organized by Department of Electrical & Electronics Engineering, MVGR College of Engineering (Autonomous) from 17 th to 22 nd December 2018.
7. I have participated in A One-Day Workshop on "Transition of power sector in India to meet futuristic energy needs, challenges and issues" in GITAM on 21 st February 2019.
8. I have participated in Python Programming Workshop conducted by ML Workshops (a subsidiary of Solivar labs) in GayatriVidya Parishad College of Engineering (Autonomous) from 21 st May to 31 st May 2018
9. I have participated in A One-Day workshop on "Modeling, Simulation & Analysis using Saber RD" Organized by Department of Electrical & Electronics Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous) on 8 th December 2017.

Details of Journal Publications/
Conferences (National and International)

International Journals :

1. **"Soft Computing Based Hybrid MPPT for Grid Connected Photovoltaic System"**, in **2024 1st International Conference on Electronics, Computing, Communication and Control Technology, ICECCC 2024**, <https://doi.org/10.1109/iceccc61767.2024.10593845>. (Scopus Indexed).
2. **"Economic scheduling and dispatching of distributed generators considering uncertainties in modified 33-bus and modified 69-bus system under different microgrid regions"**, in **Transactions on Energy Systems and Engineering Applications**. 5(2), 1–22. <https://doi.org/10.32397/tesea.vol5.n2.570>. (Scopus Indexed).
3. **"Deep Neural Network based intelligent Multi-Microgrid Energy Management"** in **2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT)**, DOI:10.1109/SEFET57834.2023.10245648. (Scopus Indexed)
4. **"Interconnected Microgrids: A Review and Future perspectives"** in **2022 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT)**, DOI:10.1109/SEFET55524.2022.9908988. (Scopus Indexed)
5. **"Design and Development of Anti-lock braking system for Electric Vehicle"** in **International Journal of Scientific Research in Engineering and Management (IJSREM)** Volume 06, Issue 05 , May 2022, Impact Factor:7.185, ISSN:2582-3930.
6. **"Enhancement of solar tracking mechanism using Arduino"** in **International Journal of interdisciplinary and multidisciplinary research** Volume 06, Issue 07, July 2021, ISSN: 2456-4567.

7. **“A Novel Control for Reduction of Voltage Sag / Swell with Reduced Rating Dynamic Voltage Restorer”** in **GVPR Journal of Science Technology and management** Volume-1, Issue-1, 2018.
8. **“Enhancement of Power Quality using Dual Unified Power Quality Conditioner by Fuzzy Logic Controller”** in **GVPR Journal of Science Technology and management** Volume-2, Issue-1, 2018.
9. **“Enhancement of Power Quality for Non-linear loads Using SHPF-TCR Device with Induction Motor”** having ISBN: 978-81-930654-5-8 on 19th March 2016.
10. **“Advanced Intelligent Control for Power Quality with Reduced Rating DVR”** in **International Journal of Electrical and Electronics Engineers** (ISSN 2321-2055) on 11th August 2016.

