

Name of Faculty P. HEMESHWAR CHARY
 Designation Assistant Professor
 Nature of Job/Appointment Regular



Date of Joining 08-03-2014

E-mail hemeshwar_eee@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	--	--
PG	M.Tech. (Electrical Power Systems)	First /Distinction
UG	B. Tech(Electrical and Electronics Engineering)	First

Work Experience	
Teaching	13Years
Research	--
Industry	--
Others	--

Area of Specialization Renewable Energy Systems, Micro Grid, IoT,

Professional Memberships Life Member, ISTE. Membership Number: LM 95053

Responsibilities held at Institution Level Public Relation Committee: Dept.(EEE) Coordinator

- Responsibilities held at Department Level
1. In-Charge, Timetables
 2. Member, Course Expert Group
 3. Member NBA Criteria 7.0, Criteria 2.0
 4. Co-Coordinator MODROBS: Electrical Machines Lab
 5. In-Charge: Basic Electrical Engineering Laboratory Set-Up

Research Guidance --

Awards Received --

Courses Handled at Undergraduate / Post Graduate Level. Power Systems-I, Electrical Machines-I& II, Power Electronics, Renewable Energy Systems, Power Semiconductor Drives, Utilization of Electrical Energy.

No. of Papers Published **05**

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

- Details of Short-Term Training Programs/ Faculty Development Programs/ Seminars/ Workshops/ Other Trainings (**Attended and/ or Organized**).
1. A One-week STTP on "Recent Advances in EV Technologies, Series-A" conducted by Dept. of EEE, Matrusri Engineering College, Saidabad, Bandlaguda, HYD., during 26-04-2021 to 01-05-2021.
 2. A Two-week faculty development programme on "Advanced Power Electronic Applications in Power Systems" conducted by Dept. of EEE, SASI(A), Tadepalligudem during 23-11-2020 to 05-12-2020.
 3. A Five-day faculty development programme on "Design and Development of control strategies on Electrical Power Applications-An Industrial Perspective" conducted by Dept. of EEE, PVPSIT(A), Vijayawada during 07-12-2020 to 12-12-2020.
 4. A Three-day faculty development programme on "IPR & Fundamentals of Patent Filing - Prosecution" conducted by Dept. of IT, BVRIT, Narsapur, Medak, during 08-06-2021 to 10-06-2021.
 5. A Webinar on "Advanced power converters for future power grids"

- organized by IEEE - PES Chapter, CBIT, Hyderabad on 10th March, 2021.
6. A Webinar on "The Future is AI" organized by Dept. of IT, BVRIT, Narsapur, Medak on 05th June, 2021.
 7. A Webinar on "Styling, Formatting and Referencing Research Paper" organized by Organized by Matterhere on 17th June, 2021.
 8. A Webinar on "Fractional Order Controller-Design and Implementation-2021" organized by Organized by Sree Venkateswara College of Engineering, Northrajupalem, Nellore, Andhra Pradesh on 20th June, 2021.
 9. A Short-Term Course on "Soft Computing Techniques - Renewable and Electrical Systems" HRDC, JNTU Hyderabad (Online). 1st - 6th June 2020.
 10. Successfully Completed "AI For Everyone" an online non-credit course authorized by deeplearning.ai and offered through Coursera.
 11. Successfully Completed "Exploring Renewable Energy Schemes" an online non-credit course authorized by University of California, Irvine and offered through Coursera.
 12. Successfully Completed "Introduction to the Internet of Things and Embedded Systems" an online non-credit course authorized by deeplearning.ai and offered through Coursera.
 13. A Faculty Development Program on "Outcome Based Education and NBA Accreditation Process-(UG)", Chaitanya Bharathi Institute of Technology(A), Hyd. (Online). 28th May - 01st June 2020
 14. A Faculty Development Program on "Internet of Things (Atal FDP)", IIIT Nagpur via Cisco Webex (Online). 7th - 11th May 2020
 15. The Exhibition-Events "The Smarter E India (India's Innovation Hub for The New Energy World)" Bangalore International Exhibition Centre, Karnataka. 27th - 28th Nov 2019.
 16. A Continuing Professional Development Programme on "Rooftop Solar Grid Engineer (Design, Erection, Commissioning & Maintenance)", Engineering Staff College of India, Hyderabad. 10th - 14th June 2019.
 17. UGC Sponsored Refresher Course on "Internet of Things" (3-Weeks) by UGC-HRDC, JNTUH, Kukatpally, HYD. 03rd - 22nd Dec 2018
 18. UGC Sponsored "50th Orientation Programme (4-Weeks)" by UGC-HRDC, JNTUH, Kukatpally, HYD. 04th Jun - 02nd Jul 2018.
 19. Organized as a Convener, Electret-2018, A National Level Technical Symposium, Under SUDHE-2018.
 20. Organized as a Co-Convener, Electret-2017, A National Level Technical Symposium, Under SUDHE-2017.
 21. Organized A two-day workshop on "Practical Aspects of Renewable Energy Sources" "PARES-2017", EEE Dept., CBIT(A). 27th - 28th March 2017.

1. **P. Hemeshwar Chary**, N. Santosh Kumar, Microgrid Control Schemes And Current Trends For Sustainable Energy Management, PENSEE International Journal, Vol. 51, No. 4, pp. 1436-1444, April-2021, ISSN 0031-4773, Impact factor: 6 (Scopus Indexed)
2. N. Santosh Kumar, **P. Hemeshwar Chary**, Machine Learning Based Adaptive Protection of Microgrid for Optimised Power System Management, International Journal of Advanced Science and Technology, Vol. 30, No. 1, pp. 22-30, April-2021, ISSN 22-30, Impact factor: 0.48 (Scopus Indexed)
3. N. Santosh Kumar, **P. Hemeshwar Chary**, Cooperative Optimal Control Strategy for Microgrid under Grid-Connected Mode, Open Access International Journal of Science & Engineering, Vol. 6, No. 6, pp. 50-54, June-2021, ISSN 2456-3293, Impact factor: 5.856 doi: 10.51397/OAIJSE06.2021.0009 (UGC Approved)
4. **P. Hemeshwar Chary**, N. Santosh Kumar, Islanded Mode Based Efficient Control and Management Strategy for a Grid Connected PV System, Journal of Interdisciplinary Cycle Research, Vol. VIII, No. VI, pp. 860-867, June-2021, ISSN 0022-1945, Impact factor: 6.2, DOI: 18.0002.JICR.2021.V13I6.008301.3171229060 (UGC Care)
5. **P. Hemeshwar Chary**, N. Santosh Kumar, Adaptive Smart Centralized Substation Protection System through Self-Healing, Journal of Critical Reviews, Vol. 8, No. 2, pp. 1527-1534, June-2021, ISSN- 2394-5125, DOI: 10.31838/jcr.08.02.152 (Google Scholar)

Details of Journal Publications/
Conferences (**National and International**)