

Curriculum Vitae



Name : **Dr. T. Gowri Manohar**
Official Address : **Professor**, Dept. of Electrical & Electronics Engg.
S.V. University College of Engineering
Tirupati - 517502, Andhra Pradesh

Educational Qualifications:

Ph.D : Power System Operation and Control
M.Tech : Power System Operation & Control
B.Tech : Electrical and Electronics Engineering

Teaching Experience:

- a) Professor since 4-7-2013
- b) Associate Professor from 3-7-2007 to 3-7-2013.
- c) Associate Professor (SKIT) from 30-5-2006 to 3-7-2007.
- d) Assistant Professor (SKIT) from 29-10-1999 to 29-5-2006.
- e) Adhoc-Lecturer (SKIT) from 1-5-1999 to 28-10-1999.
- f) Teaching Assistant from 19-8-98 to 30-4-99.
- g) Part-time Lecturer November 1997 to August 1998.

Research Experience:

No. of PhDs Guided : 11 (awarded)(FT-2, PT-8, CS-1)
04 (under progress)(3FT,1PT)
03 (cancelled 3PT)
No. of M.Tech Projects Guided : 30

Publications:

National conferences : **20**

International conferences	:	32
National Journals	:	05
International Journals	:	85
Book Chapter	:	01
Seminars attended	:	31
Seminars organized	:	34

Academic Experience:

Subjects Taught

Power Quality, Reactive Power Control in Power Systems, Advanced Power System Protection, Electrical Power Distribution Systems. Power Systems (gen. & dist.), Power Transmission system, Power System Protection, Computer methods in power systems, Power system operation and control, modelling of power system components, Network Theory, Utilization of Electric Energy, Electro-mechanics- II, Electro-mechanics- III, Electromagnetic Fields, Power Electronics.

Administrative experience:

- **HoD, EEE since 09-03-2022**
- **Director, IQAC**
- **Joint Director, Directorate of Examinations, S V University**
- **Member, PG Board of Studies.**
- **Member, UG Board of Studies since**
- **Nodal Officer, MIS, TEQIP-II-1.2**
- **Deputy Warden, SVUCE Men's Hostel**
- **Member, NBA College Committee**

- **Additional Chief- Superintendent of Examinations at SVUCE.**

Other Credentials:

- **Expert Member for various confidential works**
- **BoS Member for other Colleges**
- **Key note Speaker** at various International and national Conferences.
- **Organized 34** workshops/symposiums till date.
- **Attended 31** workshops/symposiums till date
- **Delivered 5** Guest Lectures
- **Resource person** for FDPs

Memberships in Professional Bodies:

- Member, IEEE
- Fellow, IET
- Life Member, ISTE
- Life Member, ISCA (L31770)

Software Profile:

Familiar with COBOL, C, FORTRAN, MATLAB, P-SPICE.

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.

(T. GOWRI MANOHAR)

References

1) ***Dr. M. Damodar Reddy***
Professor, Dept. of EEE
College of Engineering
Sri Venkateswara University
Tirupati – 517502 (A.P)

2) ***Dr. A. Lakshmi Devi***
Professor, Dept. of EEE
College of Engineering
Sri Venkateswara University
Tirupati – 517502 (A.P)

International Conferences Attended/Presented

2019-20

1. Suresh .P and T.Gowri Manohar, presented a paper entitled “Power Quality Augmentation In a Three Phase Photovoltaic Coherent System Using Adaptive Hysteresis d-q Controller” , in the 11th International Exergy, Energy and Environment Symposium (IEEES-11) held on 14th July 2019 at SRM University, Chennai.
2. Vasavi.C and Dr. T.Gowri Manohar “Optimal Placement of DG and Controlled Impedance FCL sizing Using Salp Swarm Algorithm” 2nd International conference Power Engineering Computing and Control (PECCON-2019), 12-14th December 2019.

Publications in International Journals

2019-2020

1. Sabarinath.G, Dr.T.Gowri Manohar, “Application of Bird Swarm Algorithm for Allocation of Distributed Generation in an Indian Practical Distribution Network,” *International Journal of Intelligent Systems and Applications (IJISA)*, Vol.11, No.7, July 2019.
2. Sabarinath, G. And T.Gowri Manohar, “Optimal sitting and sizing of distributed generation units in an Indian practical distribution system using bird swarm algorithm”, *International Journal of Intelligent Systems and Applications (IJISA)*, Vol.11, No.10, pp.54-64, October 2019.
3. Sabarinath, G., T.Gowri Manohar and A.V.Sudhakara Reddy, “Voltage control and power loss reduction in distribution networks using distributed generation”, *International Journal of Innovative Technology and Exploring (IJITEE)*, Vol.8, No.12, pp.2863-2867, October 2019.
4. Suresh, P. And Dr. T.Gowri Manohar, “Effective Power Quality improvement in PV Grid by using Adaptive Hysteresis Dynamic Active power filter under different Source Voltage Conditions”, *International Journal of Engineering and Advanced Technology (IJEAT)*, Volume-9, ISSN:2249-8958, October-2019. (UGC CARE A List ,Scopus indexed, India)
5. Suresh, P. And T. Gowri Manohar, “Mitigation of Voltage Disturbances in PV Interconnected Grid Using ANFIS Based Dynamic Voltage Restorer, “*International Journal of Engineering and Advanced Technology*, Vol. 29, No.4, pp.764-770, February-2020. (Scopus Indexed, H-Index-4,Australia)
6. Vasavi and T. Gowri Manohar, “Comparative Analysis of PSO and Proposed Hybrid (CSA-SSA) Algorithm for Optimal DG Location and FCL Sizing” vol.83, May- June 2020 ISSN: 0193-4120 Page No. 6352 – 6364 (**SCOPUS INDEXED**)
7. Vasavi and T. Gowri Manohar, ”OPTIMAL PLACEMENT OF DG AND TCI-FCL SIZING USING CROW SEARCH ALGORITHM” *International Journal of Electrical Engineering and Technology (IJEET)* Volume 11, Issue 5, July 2020, pp. 43-54, Article ID: IJEET_11_05_005, DOI: 10.34218/IJEET.11.5.2020.005 (**SCOPUS INDEXED**)
8. Vasavi.C and Dr. T.Gowri Manohar “Comparative Analysis of Different optimization Techniques on Indian Practical system For Optimal Placement of DG and FCL Sizing” *International Journal of Recent Technology and Engineering (IJARTE)* , Volume 11, Issue 8, August 2020, pp. 629-643, Article ID: IJARET_11_08_062 (**SCOPUS INDEXED**)

9. Vasavi.C and Dr. T.Gowri Manohar "Optimal placement of DG and FCL Sizing using Fuzzy-Jaya algorithm", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-10 Issue-1, May 2021.
10. Samhitha. B and Dr. T. Gowri Manohar "Performance Analysis of Fuzzy Logic Controller based DVR for Power Quality Enhancement" International Journal of Scientific Research in Science and Technology, Online ISSN:2395-602X, PrintISSN: 2395-6011, vol 10 issue 1, pp. 462-471 jan-feb 2023 (UGC Care)
11. Jaswanth Bhargav. V and Dr. T. Gowri Manohar "faults and power quality problems smart alert and trip system using aurdino" International Journal of engineering Research and Technology, ISSN:2278-0181, vol 12 issue 3, march 2023, pp. 28-33 (UGC Care)

BOOK CHAPTERS

1. "Optimal Placement of DG and Controlled Impedance FCL sizing Using Salp Swarm Algorithm" Advances in Smart Grid Technology" **Lecturer Notes in Electrical Engineering (Springer)**

Seminars, Workshops, Courses attended

1. IEEE sponsored **One-week online Faculty Development Program** on "Advanced Power System Protection" from 01-12-2020 to 05-12-2020 under TEQIP III – Center of Excellence in Smart Renewable Energy System (CoE-SRES) in association with **IEEE PES- IAS Chapter, Pune Section.**
2. Five-day e-workshop on "Recent Trends in Operation and Planning of Distribution System and Microgrid" during 4th to 8th January 2021 Organized by Department of Electrical and Electronics Engineering National Institute of Technology Tiruchirappalli in Association with The Hong Kong Polytechnic University.

Seminars, Workshops, Courses Organized

1. Two Day National Technical Symposium “E-Blaze 2019” in 2019
2. Three day College Cultural festival RHAPSODY in the month of April 2019
3. UGC Two week refresher course from on Entrepreneurship
4. Talents day Feb 2020
5. Organized online Webinar on “The role of ICT in improving the quality of Higher Education” 8th - 27th Feb 2021 Prof. Abhudahir & Prof. Koteswar Rao
6. Organized online Webinar on “Introduction to Intelluctual Property” by Dr. DHR Sarma (PURDUE UNIVERSITY) on 27th July 2021.

7. Organized online Webinar “Introduction to the Fire Starter entrepreneurship training” by Dr Jason Salstrom(PURDUE UNIVERSITY) on 3rd August 2021.
8. Organized online Webinar “Conversation with successful Purdue Entrepreneurs – tips for success” by Dr Jason Salstrom (PURDUE UNIVERSITY) on 10th Aug 2021.
9. Organized online Webinar on “Research Innovations and Rankings” by Dr Aswin Fernandus, Prof Govindan Rangarajan, Mr. Rithin Malhotra (APSCHE) on 20th Aug 2021.
10. Organized online Webinar on “Commercialization of Academic IP-A snapshot of a university office of technology and Commercialization” by Dr. DHR Sarma (PURDUE UNIVERSITY) on 24th Aug 2021.
11. Organized online webinar on “Importance of Entrepreneurship at a university” by Prof Gregory Collier, Prof Marc Meyar (North Eastern University, Boston USA) on 2nd Sep 2021.
- 12.

Keynote Speaker & Session Chair

- 1.
9. **Session Chair**, The **International E-Conference** on Energy, Control, Computing and Electronic Systems (E-ICECCES) 2020, 27th – 29th November 2020 at Sree Vidyanikethan Engineering College, Tirupati
10. **Resource person, AICTE sponsored two week online Faculty Development program** on “Advanced power electronic applications in power systems”at Sasi Institute of technology and engineering, Tadepalligudem from 23rd November to 5th December 2020

Editorial Membership

1. Editorial Member, Journal on Power Systems Engineering, i-managers journal
2. Reviewer, Indicon, IEEE Conferences