



University College of Engineering

Osmania University



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6. Research Areas of Interest

- ❖ *Evolutionary computation algorithms*
- ❖ *Optimal reactive power dispatch*
- ❖ *Artificial Intelligent techniques in Electrical Engineering*

7. Educational Qualifications

Course	University	Institute	Year of passing	Specialization
B.Tech.	JNTU	JPNCE, Mahabubnagar	2001	Electrical & Electronics Engineering
M.Tech.	NIT Calicut	NIT Calicut	2004	Instrumentation & Control Engineering
Ph.D.	Osmania University	Univ. College of Engg., Hyd.	Pursuing	-

8. Work Experience

Organization	Designation	Period
BVRIT, Narsapur	Assistant Professor	2004
GNITS, Hyderabad	Assistant Professor	2005-2007
University College of Engineering, Osmania University, Hyderabad	Assistant Professor	2007- till date

updated on 28th June 2021

9. Subjects Taught

UG

Linear Control Systems
Microprocessors & Micro Controllers
Fuzzy Systems and Genetic Algorithms
Signals & Systems

Digital Signal Processing Applications
Programmable Logic Controllers
Electronic Instrumentation

PG

Modern Control theory
Programmable Logic Controllers

Industrial Controllers
Digital Signal Processing

10. Research Publications-

1. P.Lokender Reddy, Dr.G.Yesuratnam " A hybrid bacterial foraging-particle swarm optimization technique for solving optimal reactive power dispatch problem" International Journal of Applied Power Engineering (IJAPE)Vol.9, No.2, August 2020, pp. 127~134
2. P.Lokender Reddy, Dr.G.Yesuratnam, "Hybrid Bacteria Foraging Particle Swarm Optimization based Optimal Reactive Power Dispatch for the Alleviation of Voltage Deviations" International Journal of Engineering and Advanced Technology (IJEAT)ISSN: 2249 –8958,Volume-9Issue-2, December, 2019
3. P.Lokender Reddy, Dr.G.Yesuratnam “A modified bacterial foraging algorithm based optimal reactive power dispatch”, Indonesian Journal of Electrical Engineering and Computer Science Vol. 13, No. 1, January 2019, pp. 361~367
4. Babak Rooholahi and P. Lokender Reddy, “ Concept and Application of PID Control and Implementation of Continuous PIDController in Siemens PLCs” Indian Journal of Science and Technology, Vol 8(35), DOI: 10.17485/ijst/2015/v8i35/82262, December 2015
5. P.Lokender Reddy, Dr.G.Yesuratnam, “ PSO based Optimal Reactive Power Dispatch for Voltage Profile Improvement”, IEEE PCITC 2015, SOA university, Bhubaneshwar.
6. P.Lokender Reddy, Suri Sathya Prashant, Dr.G.Yesuratnam, “Reactive Power Optimization of Power System based on Particle Swarm Optimization and Non Linear Programming”, Int. J. of Recent trends in Engineering and Technology, vol 11, june 2014.

11. Chairing Technical Sessions at Conferences

- ❖ *International Conference on Innovative Technologies in Engineering(ICITE)* held at University College of Engineering, Osmania University, Hyderabad, during 11th to 13th April 2018.

12. Lectures Delivered

- Handled 4 sessions in AICTE sponsored Five Day Faculty Development Programme on “**AI Techniques to Electrical Engineering**” organized by HRD, JNTU Hyderabad during 16th to 20th March 2020.
- Handled a session in TEQIP sponsored Five Day Faculty Development Programme on “**AI Techniques to Electrical Engineering**” organized by EED, UCEOU, Hyderabad during 18th to 23rd November 2019.
- Handled a session on MATLAB in the National level Technical Symposium "TECHSONANCE-2018" organized by EED, UCEOU, Hyderabad
- Handled a session on MATLAB in the National level Technical Symposium "TECHSONANCE-2017" organized by EED, UCEOU, Hyderabad

13. Administrative Experience in Universities/Colleges

- ❖ **Assistant chief Superintendant(Exams)** , University College of Engineering, Osmania University (October 2019-till date)
- ❖ **Member, Library Committee**, University College of Engineering, Osmania University (September 2020-till date)
- ❖ **Departmental Convener, M.E./M.Tech (PTPG) Admissions**, 2017, Department of Electrical Engineering, University College of Engineering, Osmania University.
- ❖ **Member, Departmental Committee**, Department of Electrical Engineering, University College of Engineering, Osmania University (Sept. 2012- till date)
- ❖ **Incharge, Internal Exams**, Department of Electrical Engineering, University College of Engineering, Osmania University (Feb 2012- 2019)
- ❖ **NBA coordiator**, Department of Electrical Engineering, University College of Engineering, Osmania University (2015-2016 & 2018- till date)

14. Workshops/Training Programs/ Lectures Organized/Coordinated

- ❖ Coordinator for Second Diamond Jubilee Endowment Lecture
- ❖ Coordinator for National level Technical Symposium TECHSONANCE -2013, 2014&2016.

15. No. of M.E./M.Tech. Projects guided: 20

16. Orientation/Refresher / Short Term Courses Attended: 06

17. Workshops / Training Programmes Attended: 18