



Dr. M Surya Kalavathi

Ph.D

Professor

IEEE, ISTE

Electrical & Electronics Engineering

Areas of Interest:

Power Systems, High Voltage Engineering and Control Systems, Power Electronics and Drives.

Published more than 100 Research Papers in international and national journals. She has guided 11 Ph.D scholars and presently guiding 6 Ph.D. Scholars. She has specialised in Power Systems, High Voltage Engineering and Control Systems. Her research interests include Simulation studies on Transients of different power system equipment. She has 24 years of experience. She has invited for various lectures in institutes.

• **▶ Educational & Professional**

• **▶ Academic Qualifications**

- ▶ Post Doctoral in Electrical Engineering, Carnegie Mellon university, Pittsburgh, USA (2007-2008)
- ▶ Ph.D in Electrical Engineering, Jawaharlal Nehru Technological University Hyderabad (2003-2006)
- ▶ M.Tech in Electrical Engineering, Sri Venkateswara University (1991-1993)
- ▶ B.Tech in Electrical Engineering, Sri Venkateswara University (1984-1988)

▶ **Professional Experience**

• **▶ Industrial Experience**

- ▶ Research Scholar, BHEL Hyderabad (2001 - 2006)

• **▶ Teaching Experience**

- ▶ Asst. Prof., Vasavi College of Engineering (16-10-1995 - 27-10-1999)
- ▶ Asst. Prof., KSRM Engineering College (04-08-1993 - 13-10-1995)

• **▶ At JNTUH**

- ▶ Professor, Jawaharlal Nehru Technological University Hyderabad (2006 - Till Date)
- ▶ Assoc.Prof., Jawaharlal Nehru Technological University Hyderabad (1999 - 2006)

• **▶ Books**

- ▶ Surya Kalavathi Munagala, *9 Algorithms for Solving Reactive Power Problem*, LAMBERT Academic Publishing, 2016

• **▶ Publications**

• **▶ International Journals**

- ▶ Dr.M.Surya Kalavathi, *Hybridization of firefly and water wave algorithm for solving reactive power problem*, International Journal of Engineering Research in Africa , Vol No.Vol. 21 , pp.165-171, 2016

- **Events Participated/Organized**

- **Organized**

- Organized a Tutorial on Power Electronics and Outcome Based Education, JNTU Hyderabad, 08-12-2015 to
- Organized a Conference on National Conference on High Voltage Engineering, JNTU Hyderabad, 19-06-2015 to 20-06-2015
- Organized a Workshop on High voltage Engineering, JNTU Hyderabad, 06-03-2013 to 08-03-2013
- Organized a Refresher Course on High voltage Testing measurements and GIS substations, JNTU Hyderabad, 26-02-2013 to 16-03-2013
- Organized a Workshop on High voltage Engineering, JNTU Hyderabad, 12-12-2011 to 24-12-2011
- Organized a Orientation Course on High voltage testing and GIS, JNTU Hyderabad, 19-09-2011 to 24-09-2011
- Organized a Tutorial on Virtual High voltage Laboratory, JNTU Hyderabad, 28-08-2010 to
- Organized a Workshop on Real Time Operation and Control of Power Systems, JNTU Hyderabad, 16-02-2009 to 06-03-2009

- **Participated**

- Participated in a Conference on *24th World Congress on Engineering*, London, U.K., 29-06-2016 to 01-07-2016
- Participated in a Conference on *IEEE conference on Electrical Insulation and Dielectric Phenomena*, Des Moines, IOWA, USA, 19-10-2014 to 22-10-2014
- Participated in a Symposium on *two day national Symposium and Technical Exhibition on Micro-Grids*, Tech Mahindra, Hyderabad, 01-08-2013 to 02-08-2013
- Participated in a Conference on *IEEE International conference on Power Modulator and High Voltage*, San Diego, CA,USA, 03-06-2012 to 07-06-2012
- Participated in a Conference on *International conference on Power electronics and drive systems*, Singapore, 05-12-2011 to 08-12-2011
- Participated in a Tutorial on *Statistics Micro Mini class*, Pittsburgh, USA, 07-01-2008 to 08-01-2008
- Participated in a Conference on *IEEE conference on High Voltage Engineering*, Kansas city, Missouri, USA, 15-10-2006 to 18-10-2006
- Participated in a Refresher Course on *Neural Networks & Applications to Power Systems and Control Systems*, JNTU Hyderabad, 02-05-2004 to 14-05-2004
- Participated in a Refresher Course on *VLSI Design*, JNTU Hyderabad, 13-11-2002 to 03-12-2002
- Participated in a Conference on *Universal Digital Library*, USA,

- **Administrative Positions Held**

- Head of the Department, JNTU Pulivendula, 08 Jun 2006 - 01 Aug 2007
- Head of the Department, JNTUH College of Engineering Hyderabad, 01 Sep 2008 - 30 Sep 2010
- BOS Member, JNTUH College of Engineering Hyderabad
- BOS Chairmen, Yogi Vemana University, Kadapa
- Deputy Warden, Hostels, JNTU Pulivendula

- **Project/Research Guidance**

- **Students**

Student Name	Title	Year	Download
P.Balachennaiah		2017	
R.Selvarasu		2016	
N.Rajeswaran		2016	
G.Srinivasulu		2016	
C. Subba Rami Reddy		2015	
G. Naveen Kumar		2015	
V. Anantha Lakshmi		2015	
K.Shashidhar Reddy		2015	
Y.Mohamed Shuib		2015	
B. Arundhati		2015	
D. Bala Gangi Reddy		2014	
C.Kamal Basha		2014	

- **Countries/Foreign Universities**

- University of Texas, Dallas , 23-10-2014 To interact with the Professors
- University of Texas, Dallas , 21-10-2007 To interact with the Professors
- Imperial College of Engineering, London, U.K. , 02-07-2016 To interact with the Professors
- IOWA state university, IOWA, USA , 19-10-2014 to 22-10-2014 Visited Renewable Source Wing
- Carnegie Mellon university, Pittsburgh, USA , 01-08-2007 to 01-02-2008 For Post Doctoral
- University of Texas, Dallas , 20-10-2006 To interact with the Professors

Contact :

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Electrical & Electronics Engineering

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