

PROFILE

Name: Dr. J. Upendar
Qualification: Ph.D in Electrical Engineering
Designation: Assistant Professor
Organization: Electrical Engineering Department
 University College of Engineering,
 Osmania University, Hyderabad-7
Phone/Mobile No: (+91) 8500003210
Email: dr.8500003210@gmail.com
Areas of Interest: Power System, Power Electronics, FACTS devices, Artificial Intelligent Techniques



Education:

Degree	Specialization	University	Year
Bachelor of Technology (B.Tech)	Electrical and Electronics Engineering	G.P.R.E.C, Kurnool, Andhra Pradesh, India.	2001
Master of Technology (M.Tech)	Power Electronics	University College of Engineering (Govt.), Jawaharlal Nehru Technological University, Hyderabad, A.P, India	Feb, 2004
Doctor of Philosophy (PhD)	Electrical Engineering (Title: Intelligent Approach for Fault Classification of Power Transmission Systems)	Indian Institute of Technology (IIT), Roorkee, Uttarakhand, India	2010

Employment details:

Organization	From	To	Position / Profile
Electrical Engineering Department University College of Engineering, Osmania University, Hyderabad-7	Oct 2013	Till Date	Assistant Professor Lecturing for Bachelor of Engineering Students.
General Electric (GE Power Conversion) (CVT EDC Private Limited) Chennai-32,India (&in UK, France)	July-2010	Oct 2013	Senior Engineer- Power Electronics Team Development, Engineering
Indian Institute of Technology (IIT),Roorkee, India	July 2006	June 2010	PhD Research Scholar As teaching assistant for Masters & Bachelor of Engineering Students.
Engineering College	2004	July, 2006	Assistant Professor Lecturing for Bachelor of Engineering Students.

Research Projects: (1)

- Project 1** (Ongoing)
Principal Investigator: Dr. J. Upendar
Cost : 6.5 Lakhs
Duration : 5 Years (01 Aug 2017- 01 Aug 2022)
Funding Agency : Department of Science & Technology (DST)-PURSE II, India
Title : Design and Implementation of Transmission Line Simulator Laboratory Model.

Teaching (From 2013)

S.no	Subject/ Lab Name	Course Name
1	Power Electronics Systems (Lab)	Masters in Engineering - Power Electronics Systems
2	Power Systems (Lab)	Masters in Engineering – Power Systems
3	Advanced Synchronous Machine Theory (Theory)	Masters in Engineering – Power System
4	Control of Electric Drives (Theory)	Masters in Engineering- IDC
5	Machine Modelling And Analysis (Theory)	Masters in Engineering –IDC
6	Electrical circuits-2 (Theory)	Bachelor's in Engineering – EEE
7	Control systems (Lab)	Bachelor's in Engineering – EEE
8	Power Systems (Lab)	Bachelor's in Engineering – EEE
9	Simulation (Lab)	Bachelor's in Engineering – EEE
10	Power Systems (Lab)	Bachelor's in Engineering – EEE
11	C Prog (Lab)	Bachelor's in Engineering – EEE

Research Publications: 20(8-Journals, 12-Conferences)

(a) Journals (International): (8)

1. **J. Upendar**, C. P. Gupta and G. K. Singh, "Statistical Decision-Tree Based Fault Classification Scheme for Protection of Power Transmission Lines", *International Journal of Electrical Power and Energy Systems (EPES) (Elsevier)*, Volume 36, Issue 1, pp 1–12, March 2012.
2. **J. Upendar**, C. P. Gupta and G. K. Singh, "Comprehensive Adaptive Distance Relaying Scheme for Parallel Transmission Lines", *IEEE Transactions on Power Delivery*, Volume. 26, no. 2, pp. 1039–1052, Apr 2011.
3. **J. Upendar**, C. P. Gupta, G. K. Singh and G. Rama Krishna, "PSO and ANN-based fault classification for protective relaying ", *International Journal of IET Generation, Transmission & Distribution(IEE)*, Volume. 4, no. 10, pp. 1197–1212, October 2010.
4. **J. Upendar**, C. P. Gupta and G. K. Singh, "Design of Two-Channel Quadrature Mirror Filter Bank using Particle Swarm Optimization", *Digital Signal Processing (Elsevier)*, Volume 20, Issue 2, pp. 304–313, March 2010.
5. **J. Upendar**, C. P. Gupta and G. K. Singh, "FaultClassification Scheme Based on ART Neural Networkfor the Protection of Transmission Lines",*International Journal of Electric Power Components and Systems(EPCS) (Taylor and Francis)*, Volume 38, Issue 4, pp. 424–444, 2010.
6. **J. Upendar**, C. P. Gupta and G. K. Singh, "A Particle Swarm Optimization based Technique of Harmonic Elimination and Voltage Control in Pulse-Width Modulated Inverters", *International Journal of Bio-Inspired Computation*, Volume. 2, No. 1, Pp. 18–26, 2010.
7. **J. Upendar**, C. P. Gupta and G. K. Singh, "Modified PSO and wavelet transform based Fault Classification on Transmission Systems" *International Journal of Bio-Inspired Computation (Special Issue on: "Bio-Inspired Computation for Engineering Applications (BioICEA))"*.Volume. 2, no.6, pp. 395 – 403,2010.
8. **J. Upendar**, G. K. Singh and C. P. Gupta, "Steady State Analysis of a Wind Driven Single Phase SEIG using Particle Swarm Optimization", *World Journal of Modeling and Simulation*, Volume. 6, no. 4, pp. 310–320, 2010.

	Journal Name	Index	Impact Factor
1)	International Journal of Electrical Power and Energy Systems (EPES) (Elsevier)	Science Citation Index Thomson Reuters Scopus, INSPEC	SNIP(2013) -2.694 SJR(2013) - 1.522 Impact Factor (2012) -3.432 Impact Factor (2015) -2.587 Impact Factor (2016) -3.289
2	IEEE Transactions on Power Delivery	Science Citation Index	Impact factor- 1.733 Impact factor(2016)- 2.032 Impact factor(6-June-2017)=3.218
3	International Journal of IET Generation, Transmission & Distribution (IEE),	Science Citation Index	Impact Factor (2016) -1.353 Impact Factor(6-June-2017) =2.213
4	Digital Signal Processing(Elsevier),	Science Citation Index Thomson Reuters	Impact Factor (2013) - 1.495 Impact Factor (2015) - 1.444 Impact Factor (2016) – 2.337
5	International Journal of Electric Power Components and Systems (EPCS) (Taylor and Francis)	Science Citation Index (Thomson Reuters), Scopus	Impact Factor (2013) - 0.664 Impact Factor (2015)- 0.707 Impact Factor (2016)- 1.220
6	International Journal of Bio-Inspired Computation (Inderscience Enterprises)	Science Citation Index Expanded (Thomson Reuters) Scopus, INSPEC	Impact Factor (2013) -1.681 Impact Factor (2013) -3.97 Impact Factor (2015)- 1.39
7	World Journal of Modeling and Simulation (England, UK)	Thomson Reuters Scopus Scopus, ResearchGate data.	Impact Factor (2014)- 0.69 Impact Factor (2015)- 0.54

(b) Conferences (International/ National): (12)

Awards & Scholarships: (3)

1. **Canadian Commonwealth Fellowship:** Graduate Student Exchange Program (GSEP). By the *Canadian Bureau for International Education* (CBIE) on behalf of *Foreign Affairs and International Trade Canada* (DFAIT) at Department of Electrical and Computer Engineering, University of Saskatchewan, Saskatoon, CANADA. (17th Sept, 2009- 15th, March 2010).
2. **Ministry of HRD Scholarship:** Ministry of Human Resources and Development (MHRD), Govt. of India scholarship for Full Time Ph D. program at I.I.T. Roorkee, INDIA (25th July, 2006-16th Sept, 2009), (15th, March 2010 - 18 May 2010).
3. **Long Service Award:** From Jeff Immelt, Chairman & CEO, General Electric (GE), USA on 1st July 2013.

PPT uploaded in internet for public

1. Dr. J. Upendar, a PPT on "Latex-Basics-PPT-By-Dr-J-Upendar" and uploaded to internet on 22 Aug 2017. Link: <https://www.scribd.com/document/356891004/Latex-Basics-PPT-By-Dr-J-Upendar>

Reviewer (journals):

1. Reviewer for "International Transactions on Electrical Energy Systems- ETEP" published by John Wiley & Sons Ltd, from Feb 2017.
2. Reviewer for "IET Generation, Transmission & Distribution" from April/May 2015, 2016.
3. Reviewer for "*IEEE Transactions on Power Delivery*", from June 2015.

Reviewer (Conferences)

1. Reviewer for National Conference on circuits, signals & systems (NCCSS-2015), conducted by ECE, MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY, Hyderabad during 23rd January 2015.
2. Reviewer for IEEE conference on "Power, Control, Communication and Computational Technologies for Sustainable Growth (PCCCTSG-2015)" conducted by EED, GPREC, Kurnool, Andhra Pradesh during 11th – 12th December 2015.

Advisory Committee member

1. Dr. J. Upendar is Advisory Committee member for One Week Training Programme on " Power Electronics & Drives for Vehicular Systems - Technology Status & Future Trends" organized by Department of Electrical Engineering, UCE(A), Osmania University, (Under TEQIP Phase - II) from 23rd to 28th November, 2015.
2. Dr. J. Upendar is Advisory Committee member for Two day National Conference on "Recent Advances in Electrical Power Engineering and Systems" organized by EED, Sreenidhi institute of science and technology, Ghatkesar, Hyderabad. (Under TEQIP Phase – II). 20th -21st October 2016.

Professional Memberships:

1. IEEE Membership (Member # 90721330, Hyderabad Section)(From April 2017)
2. IEEE Industry Applications Society Membership. (Member # 90721330, Hyderabad Section)(From April 2017)
3. **Member in IAENG** (The International Association of Engineers)(Member Number: 174343)

Events Organized:

1. Dr. P. Satish Kumar and Dr. J. Upendar have coordinated Six-day Faculty Development Program on “Recent Advances in Power Electronics and Drives” during 12th to 17th May, 2014 organized at Department of Electrical Engineering, University College of Engineering, Osmania University,, Sponsored under TEQIP-phase-II.
2. Dr. J. Upendar, Dr.PSrinivas, Dr. E.VidyaSagar and U.Suryavalli coordinated the one day field study program “220KV substation at chandrayanagutta, hyderabad” to BE III/IV, 2nd semester students on 25th Jan 2014.
3. Dr. J. Upendar and Dr.PSrinivas, Dr. M. Mallesham coordinated the one day field study program “132KV Gas insulated substation located in Osmania University Campus” to BE III/IV, 1st semester students on 7th Nov 2014.
4. Dr. J. Upendar, Dr.PSrinivas, Dr. E.VidyaSagar and N.Srilatha coordinated the one day field study program “33/11 KV substation at IICT, Tarnaka, hyderabad” to BE III/IV, 2nd semester students on 6th Jan 2015.
5. Dr. J. Upendar, coordinated guest lecturer “methodologies and preparedness for high quality research” by Prof.M.H.Rashid, University of West Florida, USA, on 07th Dec 2015, organized at Department of Electrical Engineering, University College of Engineering, Osmania University,
6. Dr. J. Upendar and Dr.PSrinivas coordinated the Third diamond jubilee lecture on “Smart Grid Security” by Prof. Ramki. Turimalla, Professor and Chair Director, Colorado Research Institute for Security and Privacy, RUTCHE school of Engineering and Computer Science, University of Denver, USA, on 28th Mar 2016.
7. Dr. J. Upendar and Dr.M. Manjula, Dr.PSrinivas and Mrs. E. Sreesobha coordinated the one day field study program “132KV Gas insulated substation located in Osmania University Campus” to BE III/IV, 1stsem students on 18th April 2016.
8. Dr. J. Upendar, coordinated guest lecturer “Solar PV based standalone, grid system for developing countries: Advantages of DC systems” by Profile of Prof Rezwan Khan, Vice Chancellor, United International University (UIU), Bangladesh, on 11 March 2017, organized at Department of Electrical Engineering, University College of Engineering, Osmania University,

Expert Lectures/ Session Judge:

S.no	Faculty	Topic of the lecture	Venue / Date	Activity
1	Dr. J Upendar	Application of Intelligent techniques in Power Electronics	RRS College of Engg, Hyderabad. 30 th January 2014	Expert Lectures Delivered
2	Dr. J Upendar	JIGNASA-2K14 paper presentation	EED, G.Pullaa Reddy Engineering College, Kurnoor, A.P, 22 December 2014	Session Judge
3	Dr. J Upendar	National Conference on circuits, signals & systems (NCCSS-2015)	ECE, MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY, Hyderabad. 23 rd January 2015	Session Chair
4	Dr. J Upendar	Paper presentation session in National level technical festival ADSOPHOS-2015 (& IEEE / PES society of MJCET college)	EED, MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY, Hyderabad. 15 th February 2015	Session Jury (Session Judge)
5	Dr. J Upendar	National Level Management literary symposium-Paper presentation, IEEE, SNIST Student Chapter	EED, Sreenidhi institute of science and technology, Ghatkesar, Hyderabad. 19 March 2015	Session Judge
6	Dr. J Upendar	"Power Electronics Converters and Application"	University College of Engineering and Technology, Mahatma Gandhi University, Panagal, Nalgonda, Telangana State, 05 th December 2015	Guest/ Expert Lectures Delivered
7	Dr. J Upendar	"Solar Basics-MPPT methods, Analysis of Different MPPT Algorithms of Solar PV Systems"	One week refresher course on "Power systems and power electronics" at EED, Malla Reddy Engineering College for Women, Madechal, Secunderabad-500014, Telangana. 24 June 2016	Guest/ Expert Lectures Delivered
8	Dr. J Upendar	Guest Lecture to M.E (EPE) students on "Solar – Basics-MPPT Methods- Hardware Implementations"	EED, Sreenidhi institute of science and technology, Ghatkesar, Hyderabad. 11 th July 2016	Guest/ Expert Lectures Delivered
9	Dr. J Upendar	Two day National Conference on "Recent Advances in Electrical Power Engineering and Systems"	EED, Sreenidhi institute of science and technology, Ghatkesar, Hyderabad. 20 th -21 st October 2016	Session Judge
10	Dr. J Upendar		One Week National Level Workshop on "Application of Power Electronics to Power Systems and Renewable energy Sources", EED, GNITS, Shaikpet, Hyderabad, March 14 th – 18 th 2017	Guest/ Expert Lectures Delivered
11	Dr. J Upendar	Guest Lecture to B.Tech (EEE) students on "Solar – Basics-MPPT Methods"	EED, Sreenidhi institute of science and technology, Ghatkesar, Hyderabad. 13 th July 2017	Guest/ Expert Lectures Delivered

Training / Learning Activities: (28)

1. Dr. J. Upendar attended One day orientation program on “**IT in power system**” Aurora Engineering College, Bhongir, A.P, India, 25th Feb 2005.
2. Dr. J. Upendar attended Short Term course on “**Effective Teaching Methodology**” SreeNidhi Institute of Science and Technology, Hyderabad, A.P, India, 20th -25th June 2005.
3. Dr. J. Upendar attended National level Conference on “**Multilayer Industry Institute interaction in Global center**” conducted by ISTE-AP section, Hyderabad, India, 7th -8th Jan 2006.
4. Dr. J. Upendar attended Two days work shop on “**Simulation of Electrical Systems**” conducted by KITS, warangal, A.P, India, 30th -31st Jan 2006.
5. Dr. J. Upendar attended Seminar on “**Simulation of Power Electronics circuits with EMTP Revised version [RV]**” by Prof. V. Sood conducted by University College of engineering , Osmania University, Hyderabad & IEEE Hyderabad Chapter, India, 6th Apr 2006.
6. Dr. J. Upendar attended Two days National seminar on ‘**Adaptive and Intelligent control based power system stabilizers**’ by Prof. O.P Mallik, conducted by IEEE power engineering society, Hyderabad section, A.P, India,24th -25th Apr 2006.
7. Dr. J. Upendar attended One month certified course on “**8051 microcontroller**” conducted by Central Institute of Tool Design (A Govt. Organization) , Bala Nagar, Hyderabad, A.P, India, 11th May- 11th June 2006.
8. Dr. J. Upendar attended Five day Intensive Lecture series on “**Computer Based Relaying**” by Dr. T.S.Sidhu, Prof, University of Western Ontario ,Canada, delivered at Indian Institute of Technology , Roorkee, India, 27th-31st Dec ,2006.
9. Dr. J. Upendar attended National conference on “**National Power Systems Conference (NPSC-2006**” at Indian Institute of Technology, Roorkee, India, 25th Dec 2006.
10. Dr. J. Upendar attended Five days course on “**Simulation techniques of Power Electronics controllers**” at QIP(AICTE) center, Indian Institute of Technology, Roorkee, 7th – 11th Jan 2008.
11. Dr. J. Upendar attended one week **Pedagogical training module 1** at NITTTR Chandigarh from 25th to 29th November 2013.
12. Dr. J. Upendar have attended Two-week “**Faculty Development Programme in Entrepreneurship**” at Entrepreneurship Development Cell, OU, from 30th December, 2013 to 10th January, 2014.
13. Dr. J. Upendar attended the “**Two day Induction Program for the newly recruited faculty**” from 19th to 20th June, 2014, organized by C-PEC, OU at Auditorium, University College of Technology, Osmania University.
14. Dr. J. Upendar attended TEQIP workshop on “**Fundamentals of Applications of Nanofibres**” at IIT Hyderabad from 4th to 5th July 2014.
15. Dr. J. Upendar attended the one day Induction Program on “**Combating Corruption – Technology as an Enabler**” on October 2014 organized by University College of Technology, Osmania University, Hyderabad, in association with Power grid corporation of India ltd and southern region transmission systems-I (secunderabad).
16. Dr. J. Upendar attended the "public awareness program on saving electrical power “**Save power- save Telangana**” on 1st November, 2014, organized by department of electrical engineering, University College of engineering, Osmania University.
17. Dr. J. Upendar attended the “**Three day workshop on Recent Trends in Power System Protection**” at EED, NIT Warangal, Telangana State, from 27-29 November 2014. (Workshop is sponsored by TEQUIP-II).
18. Dr. J. Upendar attended the “**Three day workshop on Solar Photovoltaic Training Program**” at EED, UCE, Osmania University, Hyderabad, Telangana State, from 2nd - 4th March 2015.
19. Dr. J. Upendar attended the “**Three day workshop on Applications of simulation tools to modern power systems**” at EED, UCE, Osmania University, Hyderabad, Telangana State, from 7th - 9th March 2015. (Workshop is sponsored by TEQUIP-II and VB Engineering, Hyderabad).

20. Dr. J. Upendar attended the three day National workshop on “**Embedded Systems and Applications**” at Department of Physics, UCS, Osmania University, Hyderabad, Telangana State, from 29th - 31st Aug 2015.
21. Dr. J. Upendar attended the one day National workshop on “**How to write research proposal**” at Department of Physics, UCE, Osmania University, Hyderabad, Telangana State, from 18th Sept 2015.
22. Dr. J. Upendar attended the one day orientation Programme on “**Research and consultancy**” at Research Development and consultancy cell (RDCC), University college of science, Osmania University, Hyderabad, Telangana State, on 23rd Sept 2015.
23. Dr. J. Upendar attended the one day workshop on “**Engineering graphics using AUTOCAD**” organized by Civil Engineering Department , UCE, Osmania University, Hyderabad, Telangana State, on 9th Oct 2015. (Workshop is sponsored by TEQUIP-II).
24. Dr. J. Upendar attended One Week Training Program on “**Power Electronics and Drives for Vehicular Systems**” at department of electrical engineering, University College of engineering, Osmania University, Telangana State, from 23rd Nov 2015 to 28th Nov 2015.
25. Dr. J. Upendar attended One Week Training Program on “**Cloud Computing and Data Analytics** ” at department of computer science engineering, University College of engineering, Osmania University, and “The Institution of Engineers India” Telangana State, from 08th Feb 2016 to 12th Feb 2016. (Sponsored by TEQUIP-II).
26. Dr. J. Upendar attended **One month Orientation Program** on at UGC-Academic Staff College, Osmania University, from 07th Sept 2016 to 06th Oct 2016. (Sponsored by UGC-MHRD).
27. Dr. J. Upendar attended the Two day Awareness workshop on “**Teaching, Learning and Assessment Methodologies**” organized by UCE, Osmania University, Hyderabad, Telangana State in association with NBA, New Delhi, on 13th-14th, Dec 2016.
28. Dr. J. Upendar attended the one day Awareness workshop on “**Outcome Based Education and Accreditation**” organized by UCE, Osmania University, Hyderabad, Telangana State in association with NBA, New Delhi, on 18th Dec 2016.

Current Department / College Academic & Administrative Activities

1. Dr. J. Upendar appointed as **in-charge** for – department R&D work, consultancy work w.e.f from 6th Apr2015.
2. Dr. J. Upendar appointed as **in-charge** for – Generator maintenance w.e.f from 6th Apr2015.
3. Dr. J. Upendar appointed as “**Assistant Chief Superintendent (Exams)**” of University College of Engineering, OU, on 21stSept 2016 for the period of next one year. (Ltr. Dated 21.09.2016)
4. Dr. J. Upendar appointed as “**E-Liason Officer**” of University College of Engineering, OU, on 01stOctober 2016 for the period of next two years. (Ltr. Dated 01.10.2016)

Finished Department / College Academic & Administrative Activities

5. Dr. J. Upendar appointed as **in-charge** for – Annual half yearly reports, Hand Book w.e.f from 6th Apr2015.
6. Dr. J. Upendar appointed as **in-charge** for – department UGC report, NAAC reports w.e.f from 6th Apr2015.
7. Dr. J. Upendar appointed as **in-charge** for – department website maintenance w.e.f from 6th Apr2015.
8. Dr. J. Upendar appointed as **department Coordinator** for – Extension of Autonomous status work w.e.f from 10th Dec2015.(Ltr. Dated 10.12.2015)
9. Dr. J. Upendar appointed as Department “**Innovation Sub-Committee member**” from UCE(Alumni asso.-innovation-creativity and implementation of talent of students) for –w.e.f from 30th Jan2016.
10. Dr. J. Upendar appointed as “**In charge Head of the Department**” for 1day (on 26.02.2016).
11. Dr. J. Upendar appointed as “**In charge Head of the Department**” 1week (from 19th to 27th Feb 2016) 2 days (from 8th-9th Mar, 2016).
12. Dr. J. Upendar and R. LingaSwamy updated the **Electrical Circuits-1** subject **syllabus** for B.E (EEE, 2nd Year, 1stsem, UCE, OU) during the month April 2016.
13. Dr. J. Upendar and R. LingaSwamy updated the **Electrical Circuits-2** subject **syllabus** for B.E (EEE, 2nd Year, 1stsem, UCE, OU) during the month April 2016.
14. Dr. J. Upendar updated the **ASMT** subject **syllabus** for M.E (Power System, 1st Year, UCE, OU) during the month June 2016.
15. Dr. J. Upendar updated the **MMA** subject **syllabus** for M.E (IDC, 1st Year, UCE, OU) during the month June 2016.
16. Dr. J. Upendar appointed as College **Coordinator** for – preparation of Hand Book of the college for the year 2016-17. (Ltr. Dated 10.06.2016)
17. Dr. J. Upendar has guided Five- NIT Delhi B.Tech EEE student for 45 days **Internship/summer training** during 01-06-2016 to 15-07-2016 on “Generation of PWM signals using DSP TMS320F28335 controller – Basics”.
18. Dr. J. Upendar appointed as “**In charge Head of the Department**” for 1 day (on 12th Aug 2016) (Ltr. Dated 11.08.2016)
19. Dr. J. Upendar appointed as “**NBA Coordinator of the EED Department**” on 23rd Aug 2016 (Ltr. Dated 23.08.2016)
20. Dr. J. Upendar appointed as College **Coordinator** for – preparation of Hand Book of the college for the year 2017-18. (Ltr. Dated 19.06.2016, No.890/Admn/UCE/2017)
21. Dr. J. Upendar developed the new **Electrical Estimation Costing & Safety** elective subject **syllabus** for B.E (3rdYear, 5thSem, UCE, OU) during the month May/ June 2016 and approved by BOS , EED, UCE