

# Curriculum Vitae

**E VIDYA SAGAR**  
Professor  
Electrical Power Systems



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## Education

- Ph.D (Reliability Improvement of Radial Distribution Systems Using Fault Passage Indicators, Distribution Automation and Smart Grid Technology) April, 2014, Jawaharlal Nehru Technological University, Hyderabad
- M.Tech ( Power Systems), March,2004, Jawaharlal Nehru Technological University, Hyderabad.
- Bachelor's Degree in Electrical and Electronics Engineering ,August,1998,Jawaharlal Nehru Technological University, Hyderabad.

## Work Experience

- From 11.6.2015 to 11.6.2018 worked as Associate Professor in the Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad.
- From 11.6.2012 to 11.06.2015 worked as Assistant Professor (Senior Scale) in the Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad.
- From 11.6.2007 to 11.06.2012 worked as Assistant Professor in the Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad.
- From 14.09.2006 to 09.06.2007 worked as Associate Professor in the Department of Electrical and Electronics Engineering, Sree Chaitanya College of Engineering,LMD Colony, Karimnagar.
- From 26.11.2004 to 13.09.2006 worked as Assistant Professor in the Department of Electrical and Electronics Engineering, Kamala Institute of Technology and Science, Singapur, Karimnagar.
- From 26.11.1998 to 25.11.2004 worked as Lecturer in the Department of Electrical and Electronics Engineering, Kamala Institute of Technology and Science, Singapur, Karimnagar.

## Research

### Projects

- A minor Research Project of worth Rs. 1.00 Lakh , titled “Reliability Improvement of Distribution Systems by Using Fault Passage Indicators” , sponsored by TEQIP-II under R&D Component during the academic year 2016-2017.
- A major Project of worth 1.00 Cr , titled " Smart City Serviced Driven by Internet of Things, Machine Learning and Artificial Intelligence , Sponsored by RUSA 2.0 , OU. (Ongoing Project)

### Seminars Organized

-From 2015

- Two Day online Workshop on " Reliability and Its Applications to Power Systems & Drives" from 26-27, June , 2021
- One Day Seminar on "Entrepreneurship Awareness Programme" to 3rd and 4th year students of UCE,OU, in association with EDC, Osmania University, Hyderabad on 03-03-2018.
- An interactive talk on “You Can Make the Difference” in association with Office of the Dean Students Affair, Osmania University on 01-11-2016
- An essay writing competition on "Public Role in the Eradication of Corruption" in association with Telangana Anti-Corruption Bureau was held at UCE, OU on 06-12-2016.
- An awareness campaign on "The Job Opportunities in Indian Air Force" to all the students of UCE,OU at ECE auditorium, UCE, OU. On 19-01-2017.
- A programme on "Stress Management through meditation" for NSS Volunteers of UCE, OU in association with Heartfulness Institute, Hyderabad.
- An essay writing competition on "Waste Water Management" on the occasion of World Water Day on 22-03-2017.
- Conducted 30 hrs workshop on Industrial Automation using Siemens PLCs & SCADA From 23rd September-8th Oct-2017 in Association with Industry.

## Awards

- Received Best Teacher Award in the Academic year 2006 at Kamala Institute of Technology and Science, Singapuram, Huzurabad, Karimanagar .

## Corporate/Administrative Experience

Served in various administrative and academic positions at UCE, OU, some of them are:

- Presently, Chairperson Board of Studies in Electrical Engineering (BoS), Osmania University
- Vice-Principal, University College of Engineering, Osmania University from 22.11.2018 to 16.12.2021
- Presently , Member of Departmental Research Committee, Department of EE, UCE OU.
- Member of Committee for the Preparation of Institutional Development Plan, UCE OU in 2014 .
- Member of Committee for the Preparation of Strategic Plan and IDP , UCE , OU for TEQIP-III World Bank Project in 2016.
- Chairperson, Board of Studies , Electrical Engineering Department, UCE,OU, from April 2017 to April 2019
- TEQIP-II Project Nodal Officer, UCE, OU from 2013 to 2018.

- Co-ordinator , Incubation Centre, from 2017 to 2019.
- Co-ordinator Internal Quality Assurance Cell, UCE,OU in 2017.
- Co-coordinator , Technology Development Centre (TDC Building),UCE,OU from 2016 to 2019.
- NSS Programmer Officer Unit-II, UCE, OU from 2013 onwards
- IEEE Students Advisor,UCE, OU in 2012
- Convener Techsonance 2012, Department of EE, UCE,OU,
- Faculty Advisor for M.E Power Systems from 2010 to 2013
- Departmental Convener for M.E/M.Tech Admissions in 2010 & 2011
- Member in the committee of BoS, EEED Appointed by Hon'ble Vice-Chancellor ,MGU,, Nalgonda for the preparation of Rules and Regulations, Scheme and Syllabus of Four Years B.E.
- Member in the committee of BoS, EEED of Institute of Aeronautical Engineering, Dindigal for the preparation of Rules and Regulations, Scheme and Syllabus of Four Years B.E degree course and Two Year M.E
- Member in the committee of BoS, EEED of SR Engineering College,Hasanparthy,Warangl for the preparation of Rules and Regulations, Scheme and Syllabus of Four Years B.E degree course and Two Year M.E Course.

## Trainings and Other Programs Attended

- Six Day GIAN Programme on "High Voltage Gain Soft Switching Advanced Current Fed Technologies for Micro Grid and Electric Transportation" from 18th December to 23rd December 2017, organized by the Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad.
- Five Day National Workshop on "Electronic Product Design" from 2<sup>nd</sup> -6<sup>th</sup> January,2017 in Department of Bio-Medical Engineering, University College of Engineering, Osmania University.
- Five Day Faculty Development Programme on "Integration of Alternate Energy Sources and Smart Grid 19<sup>th</sup> -23<sup>rd</sup> December, 2016 in Department of Electrical and Electronics Engineering, Dr.N.G.P Institute of Technology, Coimbatore.
- Two Day workshop on "Teaching, Learning and Assessment Methodologies" 13<sup>th</sup> -14<sup>th</sup> December, 2016 at University College of Engineering, OU.
- Two Day Workshop on "Power Quality Harmonic Analysis for Power Systems" from 19th to 20th September 2016 at EED, UCE,OU.
- Six day workshop on " Management Capacity Enhancement Program June 20-25, 2016 Indian Institute of Management Kozhikode.
- Seven Day Workshop on "3<sup>rd</sup> Training and Orientation Programme for NSS Program Officers " from 20<sup>th</sup> to 26<sup>th</sup> May, 2016 UGC-Human Resource Development Centre, Osmania University, Hyderabad.
- One Week Training Programme on "Cloud Computing and Data Analytics" from 08<sup>th</sup> Feb 2016 to 12<sup>th</sup> Feb 2016 in Department of Computer Science Engineering, University College of Engineering, Osmania University, Hyderabad.
- One week Training Programme on "Applications of Power Electronics in Smart Grid and Smart Distribution Systems" from 23<sup>rd</sup> -28<sup>th</sup> November, 2015 in Department of Electrical Engineering , University College of Engineering, Osmania University, Hyderabad.
- One Day workshop on "Engineering graphics using AUTOCAD" on 9<sup>th</sup> Oct 2015 at University College of Engineering, OU, Hyderabad.

- One day work shop on “*How to Write Research Proposal*” on 18<sup>th</sup> September, 2015 at University College of Engineering, OU, Hyderabad.
- One day work shop on “*Protection of Intellectual Property through Patents*” on 12<sup>th</sup> September, 2015 at Hetero Group and Mahindra Ecole Centrale Hyderabad.

## List of Publications

- E.Vidya Sagar, Y.Bhanuja, M.Lehita sai, J.Ravali and K.Sindhu, " Reliability Evaluation and Improvement of Radial Distributed System for Uniform and Non-Uniform Loads Using Network Matrices" , Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 08-Special Issue, 2018, ISSN 1943-023X
- E. Vidya Sagar , T.Kavita and G.Kiran Kumar "Reliability Analysis of Two Weather Modeled Substation and Its Impact on Practical LV & HV Distribution Systems", International Journal of Emerging Technology and Advanced Engineering, Volume 7, Special Issue 1, December 2017.
- E. Vidya Sagar,, S. Deepti, A. Purna Chandar and T. Kavitha " Reliability Analysis of Sectionalized Busbar with Redundant Star Automation Scheme and its Impact on Radial Feeder" , International Journal for Research in Applied Science & Engineering Technology, Volume 5 Issue XII December 2017- ISSN: 2321-9653.
- E.Vidya Sagar, A. Purna Chandar, T.Kavita and S.Deepthi, " Reliability Modelling and Analysis of Distribution System Considering Weather Effects on Substation and HVDS Concept on Feeder" , International Journal of Advance Engineering and Research Development, Volume 4, Issue 12, December -2017, e-ISSN (O): 2348-4470p-ISSN (P): 2348-6406
- E.Vidya Sagar, A. Purna Chandar, T.Kavita and S.Deepthi "Reliability Based Priority Allocation of Contingencies in a Complex Power System Network" , International Journal on Future Revolution in Computer Science & Communication Engineering , Volume: 3 Issue: 12 , pp-155-159, , ISSN: 2454-4248.
- E.Vidya Sagar and P.Srinivas "Reliability Evaluation of Substation Equipped With Fault Current Limiter and Automation Scheme" , International Journal of Electronics, Electrical and Computational System ISSN 2348-117X Volume 6, Issue 11 November 2017.
- E. Vidya Sagar and A. Purna Chandar "Reliability Evaluation of a Power System Network Due to Shortage of both Active and Reactive Power" , International Journal of Electronics, Electrical and Computational System ISSN 2348-117X Volume 6, Issue 11 November 2017.
- E. Vidya Sagar , T.Kavita and G.Kiran Kumar "Reliability Evaluation of Radial Feeder for Different Proportional Failures Occurring in Adverse Weather" , International Journal of Electronics, Electrical and Computational System ISSN 2348-117X Volume 6, Issue 11 November 2017.
- E. Vidya Sagar and S. Deepti "Reliability Evaluation of Distribution System with Centralized Star Automation Scheme" International Journal of Electronics, Electrical and Computational System ISSN 2348-117X Volume 6, Issue 11 November 2017.
- E. Vidya Sagar and A. Purna Chandar "Significance of Shunt Compensators in Improving Reliability Performance of an Inter connected Power System Network "International Journal of Emerging Technology and Advanced Engineering", Volume 7, Special Issue 1, December 2017
- E.Vidya Sagar, " Effect Of Alternative Supply, Disconnecting Switches And Fault Passage Indicators On

Reliability Of Radial Distribution Feeder ", Indian Journal of Science and Research, ISSN: 2250-0138.

## Conferences

- E.Vidya Sagar, Y.Bhanuja, M.Lehita sai, J.Ravali and K.Sindhu "Effect Of Advanced Switches On Reliability Of Radial Feeder For Different Cases Using Matrix Method" National Conference on Large Scale Multi disciplinary Systems of National Significance-Trends & Challenges. Conducted by ISRO, Govt. of India.
- E.Vidyasagar, G.Kiran Kumar "Reliability Improvement of Radial Distribution Systems Using Microgrids placed on Distributors" Proceedings of 2015 Conference on Power, Control, Communication Technologies for Sustainable Growth (PCCCTSG), IEEE Conference December 11-12, 2015, Kurnool, Andhra Pradesh, India.
- E.Vidyasagar, G.Kiran Kumar "Reliability Comparison of Different Types of Industrial Substations" Proceedings of "National Conference on Innovations and Design Challenges in Electrical and Medical Electronics" held on 21<sup>st</sup>-22<sup>nd</sup> August 2015 at GRIET Hyderabad.

## Other Info

As NSS Program Officer of Unit-II, University College of Engineering, OU Conducted/Organized/Participated in the following Activities: ( From 2015 onwards)

- Webinar on "MERA BHARAT MAHAN" on 25th January 2021
- Webinar on "MANN KI BATT" on 18th January 2021
- "3C Success FORMULA" - seminar, on 11th January 2021
- 150 th birth anniversary Celebrations of Mahatma Gandhi ji, on 01st October 2020.
- Celebrations of NSS Day , on 24th September 2020.
- Taking of the Non- Violence Pledge, on 15 September 2020
- Webinar on creating awareness for National Education Policy -2020, On 16th September 2020
- Online essay writing competitions on "SWACHHTHA - A Tribute to MAHATMA" , on 14th September 2020
- Awareness on Organ Donation, on 11 September 2020
- Importance of Transformation, on 09 September 2020
- Orientation of nss Programme on 02 September 2020
- Blood Grouping Activity Conducted on 28-03-2018
- Health Checkup camp Conducted on 08-02-2018
- Voters Day celebrations Conducted on 25-01-2018
- International Day of Yoga organized by Heartful Institute and NSS, Osmania University at LB Stadium. on 21-06-2017
- Participated in the State level Swachh Bharath Programme organized by NSS, Osmania University for cleaning A grounds where inauguration of centenary celebrations of OU was done on 25-04-2017
- Blood Donation camp conducted at UCE, OU on 31-03-2017
- Participated in the Centenary Run organized on the occasion of centenary celebrations of Osmania

University, in OU Campus.

- In tune with Government of India theme on Digital India an awareness programme on Digidhan Yogana (i.e. Digital Transactions) was organised to NSS volunteers of UCE, OU in association with STATE BANK OF Hyderabad, Osmania University on 27-01-2017
- National Voters Day was celebrated. On this occasion Voters Day pledge was administered and a rally was held in the college campus of UCE, OU on 25-01-2017
- Celebrated "Rashtriya Ekta Diwas" pledge on 31-10-2016 as a tribute to India's first home minister Sri Sardar Vallabhbhai Patel
- Organized Haritha Haram Programme in UCE,OU on 11-07-2016
- Sadbhavana Divas pledge was administered to NSS volunteers on 20-08-2015

( E. VIDYA SAGAR )