




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Faculty Name	Prof. Kiran R	
Designation	Assistant professor	
Educational Qualification	B.E., M.Tech., (Ph.D.)	
Experience in Years	7.5 Years	
Area of Interest	Power System, Power Electronics	
Email ID	kiranreddy@dsatm.edu.in kiran.bengaluru@gmail.com	

Educational Details

- Ph.D: Pursuing Ph.D. in the field of Power system Stability, VTU RRC.
- M.Tech: Power Electronics, VTU.
- B.E: Electrical & Electronics Engineering, VTU.
- Diploma: Electrical & Electronics Engineering

Personal Details

- Date of Birth: 31-01-1989
- Hobbies: Basketball, Snooker, Music
- Languages Known: English, Telugu, Kannada, Hindi, Tamil

Professional Experience

- Working as Assistant Professor in Dayananda Sagar Academy of Technology and Management at Bangalore from January 2013 to till date.
- Worked as Research Trainee in Central Power Research Institute at Bangalore from September 2011 to March 2012.

Publications

International Journals:

- “Performance of STATCOM to mitigate voltage sag in ieee 6 bus system”, International Journal for Scientific Research & Development, Volume 3, Issue 5, in July 2015.
- “Voltage sag mitigation in ieee 6 & 14 bus system by using STATCOM & UPFC”, International Journal of science Technology & Engineering, Volume 2, Issue 1, in July 2015.

- “Observability and Controllability of a power system by optimizing the performance of PMUs and FACTS controllers.”, Published in IJAREEIE, volume 2, issue 6, June 2013, pp.2601-2610.

National Journals:

- NIL

Conferences:

- “Optimal Sizing and Placement of Micro-Generators Using Particle Swarm Optimization Algorithm”, Third Springer Conference on Advanced Informatics for Computing Research (ICAICR-2019), organized by Mata Raj Kaur Institute of Engineering & Technology, Rewari at Club Mahindra Kandaghat Resort, Shimla, Himachal Pradesh on 15 Jun 2019 – 16 Jun 2019.
- “Optimal Placement Technique for PMUs during Contingency & Analysis of PMU signal for a Detection of Disturbance in a Power system”, , IEEE Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE) at Kalinga Institute of Industrial Technology, Bhuvaneshwar on July 27th -28th 2018
- “Comparison of Multi Level Inverter using Reverse Voltage Topology for Multiple Loads”, at IEEE Conference First International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering (ICATIECE-2019) during March 19th -20th 2019 held at DSATM, Bangalore
- “A Novel Implementation of PFC Converter using PCCM Boost Technique”, IEEE Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE) at Kalinga Institute of Industrial Technology, Bhuvaneshwar on July 27th -28th 2018
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- “Optimal Placement of PMUs & Analytics on PMU Data using ANN Technique”, IEEE International Conference on Energy, Communication, Data Analytics & Soft Computing (ICECDS)-2017, held on 1st and 2nd Aug. 2017, organized by SKR Engineering College, Tamilnadu, India. ISBN- XPLORE COMPLIANT (978-1-5386-1887-5), Print (978-1-5386-1886-8)
- “SIMO DC-DC Converter with Both Buck Converter And Boost Converter For Different Levels Of DC Output For Multiple Applications.”, 3rd International Conference on Applied Science Engineering and Technology (ICASET-17), held on 18th - 19th May 2017, organized by Sri Sairam College of Engineering, Anekal, Bengaluru and Institute for Engineering Research and Publication (IFERP). DOI-01.1617/vol4iss3pid0040077
- "Multiple Output DC-DC Forward Converter using Buck Topology" at 4th National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of technology and Management (NCCSTM-2018), held on May 3rd 2018 Bangalore, ISBN No.978-93-85682-54-4.
- “PCCM Boost PFC Converter”, 9th National Conference on Advanced techniques in Electrical & Electronics Engineering at SJB Institute of Technology on May 9th 2018 Bangalore.

- "Placement of Facts Device In IEEE six Bus System Based On Stability Index", at 9th National Conference on Advance Techniques in Electrical and Electronics Engineering held on 9th May 2018 at SJBIT, Bangalore.
- "Multiple output Forward converter using Forward converter topology" ,National Conference on "Recent advances In Engineering & Management" NCRAEM-2018, Held on 20th and 21st April 2018 at Amruta Institute of engineering & management, Bidadi
- "Integration of Renewable Energy Resources in an Isolated Microgrid", 3rd National Conference on Convergence of Science, Technology and Management (NCCSTM-2017), held on May 19th 2017, ISBN No. 978-93-85682-48-3.
- "Artificial Neural Network Based Power System Controllability", 3rd National Conference on Convergence of Science, Technology and Management (NCCSTM-2017), held on May 19th 2017, ISBN No. 978-9384935-97-9.
- "A Novel Software Model for Enhancement of System Performance and Security through an Optimal Placement of PMU & FACTS", 3rd IEEE International Conference on Electrical, Electronics and Computer Science (SCEECS-2016),held on 5-6 March 2016, at Maulana Azad National Institute of Technology(MANIT) Bhopal,India.
- "A Software Model for power system operation & control", An International Conference on Intelligent and Autonomous Systems (ICIAS2015) held on 28th, 29th November 2015 at MCE, Hassan, India.
- "Harmonic Reduction of Non Linear load connected distribution network using active filters", 8th International Conference on Electrical, Electronics, Computing & Communication Systems(EECCS 2015) held on 29th & 30th April 2015 at Bangalore, India.
- "Optimization and heuristic algorithms for smart grid technology", National Conference on Convergence of Science, Technology and Management (NCCSTM-2016), held on May 5th 2016, ISBN No. 978-9384935-97-9.
- "Power quality control in Distributed generation systems using Active power filter", National Conference on Convergence of Science, Technology and Management (NCCSTM-2016), held on May 5th 2016, ISBN No. 978-9384935-97-9.
- "Placement of DSTATCOM in an IEEE 14 bus system using ANN to reduce Voltage Sag", National Conference on Convergence of Science, Technology and Management (NCCSTM-2016), held on May 5th 2016, ISBN No. 978-9384935-97-9.
- "Simulation of Hybrid Distributed Generation and Fault Analysis in Power System Using MATLAB" is accepted and presented the paper in TEQIP Phase-II Funded National conference on "Advances in Electrical Engineering" held during APRIL 2nd 2015 at NMAMIT, NITTE, India.

- “Harmonic Reduction of Non-linear Load Connected Distribution Network Using Active Filters” 6th National conference on Advanced Techniques in Electrical and Electronics Engineering held on 9th May 2015 conducted at SJBIT, Bengaluru.
- “Power Quality Improvement by Grid Interfacing Controlling Algorithm using Active Power Filters”, 1st National Conference on Green Computing Technologies(NCGCT-2015) held on 7th may 2015 at Bangalore, India.
- “Performance of STATCOM to mitigate voltage sag in power system”, TEQIP Phase-II Funded National conference on “Advances in Electrical Engineering” during APRIL 2nd 2015 at NMAMIT, NITTE, India.
- “Performance of FACTS devices to mitigate voltage sag in power system”, 1st National conference on Green computing technologies NCGCT-2015 held on 7th May 2015 at Dayananda sagar academy of technology & Management, Kanakapura main road, Bengaluru.
- “Performance of STATCOM & UPFC to mitigate voltage sag in ieee 6 bus system”, 6th National conference on Advanced Techniques in Electrical and Electronics Engineering held on 9th May, 2015 at SJBIT, Bengaluru.
- “Closed loop speed Control of DC motor”, 1st National conference on Green computing technologies NCGCT-2015 held on 7th May 2015 at Dayananda sagar academy of technology & Management, Kanakapura main road, Bengaluru.
- “Optimal placement of PMUs and FACTS controllers in the power system for the complete system observability and stability ”, 8th National Conference on Efficient Power Generation and Conversion “Efficient Electrical Systems” (NCEPGC – 2012), organized by Dept. of E&EE, K.S. Rangasamy College of Technology, Tiruchengode, Tamil Nadu,India, on 16th March 2012.
- “Optimal placement of PMUs for system monitoring and FACTS devices in the power system for voltage stability”, 4th National Conference on Power sector scenario and Challenges(NPSS 2012), organized by Dept. of E&EE, Vasavi College of Engineering, Hyderabad, Andhra Pradesh on 4th April 2012.
- “Placement of PMUs and FACTS controllers in the power system”,National Conference on Emerging trends in Engineering & Technologies, organized by Jyoti institute of Technology, Bangalore.

Awards

- Recognized as subject expert & delivered 4 hours of lecture through satellite for the subject “Electrical Circuit Analysis” for the benefit of 3rd Semester E&EE under VTU.

Academic Activity

- Test Co-ordinator in the year 2014.
- Placement Co-ordinator from the year 2016.
- Chief Co-ordinator – Dept. Event organizing committee.

- Member- Project Committee.
- Member- Career Guidance Placement cell
- Member- Grievances Redressal Cell

Faculty Development Activity

- Participated in Five days faculty development programme on “Bosch rexroth PLC Servo drive sensors and scada” organised by DSATM, Bangalore during 16th to 20th January 2019.
- Participated in five days workshop on "NI LAB VIEW – myRIO course" held on October 13th -17th 2018 organised by Dayananda Sagar Academy of Technology and Management, Bangalore.
- Participated in Two days workshop on “Advanced multi domain system modelling using openmodelica” on 26 and 27 November 2018, organised by Department of Electronics and Instrumentation Engineering and Department of EEE, BMSCE, Bengaluru.
- Participated in Inter College climate and environment science quiz 2018, organised by Divecha Centre for climate change, Indian Institute of Science, Bengaluru on 11th September 2018.
- Attended the seminar on “Research Publications, grants and IPR”, organised by Technical Institute for Engineers on March 8th 2019.
- Volunteered in “Awareness and swachata shibira”, conducted by NSS-DSATM during 3rd to 5th October 2018.
- Participated in one week faculty development programme on ‘Multi domain system modelling and simulation using modelica’, during 4th to 8th June 2018, organised by BMSCE, Bangalore.
- Participated in faculty development program on “Recent advances in Renewable Energy Technologies” from 22nd January to 27 January 2018, organised by department of EEE and civil engineering, BMSIT, Bangalore.
- Participated in three days workshop on "OBE PRACTICES" held on Jun 18th -20th , 2018 Dayananda Sagar Academy of Technology and Management, Bangalore.
- Participated in two days workshop on “ADVANCED MULTI-DOMAIN SYSTEM MODELLING USING OPENMODELICA”, held on Jan 26th -27th ,November 2018 in BMSCE, Bangalore.
- Participated in five days workshop on "NI LAB VIEW -Data Acquisition using myDAQ" held on July 26th -31th 2018 organised by Dayananda Sagar Academy of Technology and Management, Bangalore.
- Participated in five days workshop on "NI LAB VIEW CORE 1 & CORE 2 COURSE" held on Jun 8th -13th , 2018 Dayananda Sagar Academy of Technology and Management, Bangalore.

- Participated in Four days faculty development program on Latest advancements in power Engineering Sector, held on Jan 8th -11th , 2018 Dayananda Sagar Academy of Technology and Management, Bangalore
- Participated in “Three day NBA workshop-2017”, held on 11th,12th, and 13th December 2017 at Dayananda Sagar Academy of Technology and Management, Bangalore
- Participated in a Two week ISTE STTP on “Electric Power System”, Conducted IIT Kharagpur, from 12th June to 15th July 2017.
- Participated in Two day National Workshop on “Artificial Neural Networks & its Applications” organized by PESIT, Bangalore during 16th – 17th December 2016.
- Participated in Three days training programme on “Power System Simulation Studies using Mi-Power” organized by PRDC, Bangalore during 16th – 18th October.
- Participated in the International Conference workshop-ICSE 2010 held at Dayananda Sagar College of engineering, Bangalore on April 24th 2010.
- Participated in Two day workshop on “Plagiarism”, organized by VTU E-Learning centre, on 16th & 17th October 2015.
- Participated in young researchers meet organized by IEEE PES Bangalore on 6th December 2014.
- Participated in the National workshop on Smart grid & Automation at DSCE, Bangalore.
- Participated in workshop on “Research Methodologies & LATEX” at VTU Hq, Belgaum, on July 8-10, 2014.
- Participated in workshop on “Distributed Generation & Power Quality” at NIE, Mysore on June 9-13, 2014.
- Participated in Faculty Development programme on “Emerging Trends in power system” at MCE, Hassan from 23rd December to 3rd January 2014.
- Participated in workshop on “Recent Trends in Power System operation & Control”, at NIE, Mysore on July 8-12, 2013.

Administrative Activity

- NBA Co-ordinator
- NSS Officer
- Social Media & Website Co-ordinator
- Cultural Co-ordinator
- Stage Committee Coordinator-National Conference

Professional Membership

Contact Details

Assistant professor, Department of Electrical & Electronics Engineering
Dayananda Sagar Academy of Technology & Management
Udayapura, Kanakapura Road
Bengaluru-560082
Mail ID: kiran.bengaluru@gmail.com
Phone No.: 9035753730, 9741102248

My Vision

- To enhance my knowledge by pursuing Ph.D.
- To train the students with recent trends in Electrical & Electronics Engineering & develop students to become responsible citizens so that they contribute effectively to the society.