




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF Electrical & Electronics ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	Dr. Kiran R	
Academic Designation	Assistant Professor	
Educational Qualification	B.E., M.Tech., Ph.D.	
Experience in Years	10	
Area of Interest	Power System, Power Electronics, Electric vehicle	
Date of Birth	31-01-1989	
Aadhar No	745257095016	
PAN No	DEDPK8370H	
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Educational Details

- Ph.D - In Electrical science in VTU RRC -Belgavi under VTU Belgaum
- M.Tech in Dayananda Sagar College of Engineering, Bangalore under VTU Belgaum 2012.
- B.E in Dayananda Sagar College of Engineering, Bangalore under VTU Belgaum 2010.

Personal Details

- Date of Birth: 31/01/1989
- Hobbies: Traveling
- Languages Known: English, Telugu, Tamil & Kannada

Professional Experience

- Working as Assistant Professor in Department of Electrical and Engineering at DSATM since 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.

Optimal Placement of Statcom Based on Novel Mutated Voltage Stability Index & Optimal Dispatch of Reactive Power Using PSO; International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering Impact Factor 7.047 | □Vol. 10, Issue 1, January 2022

- “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.

International 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
- “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.
- “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.

National Conferences:

- "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 Advanced 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.
- "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(NCGCT2015) 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", 1 st 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.

Conference Attended

- International Renewable Energy Technology Exhibition and Conference
- Participated in the International Conference workshop-ICSE 2010 held at Dayananda Sagar College of Engineering, Bangalore on April 24th 2010.

Seminar Attended

- Participated in Inter College climate and environment science quiz 2018, organized by Divecha Centre for climate change, Indian Institute of Science, Bengaluru on 11th September 2018.
- Attended the seminar on “Research Publications, grants and IPR”, organized by Technical Institute for Engineers on March 8th, 2019

Workshop Attended

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- 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.
 - 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 -31st 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.

Patents published with All Details

Research Grants fetched with File No.

Student Project Funds Fetched with Grant No.

Consultancy Amount Fetched with Details

Awards

Academic Activity

- E-Governance Coordinator
- NAAC
- Cultural

Faculty Development Activity/Workshops

- Participated in 5-Day Faculty Development program on “Big Data Analytics“organized by Dept. of Information Science, SJBIT, Bangalore, from 27th to 31st t January 2014.
- Participated in 2-Day Faculty Development program on “Programming in C and Data Structure”, held at RNSIT, Bangalore on July 24-25 2014.

- Participated in 2 – Day Faculty Development program on “Image Processing and Pattern Recognition Techniques for Research Problem “held at DSATM, Bangalore on 27th -28th January 2016.
- Participated in Two Day workshop on “Research Methodology “, held at Cambridge Institute of Technology, Bangalore during 21st and 22nd October 2016.
- Participated in Six Day workshop on Machin Learning with python and R-Tool “, organized by Dept. of Computer Science, SJBIT, Bangalore, from 16th to 21st January 2017.
- Participated in 3-Day NBA Workshop held at DASTM, Bangalore on 11th -13th December 2017
- Completed NI LabView Core 1& Core 2 Course from 8th to 13th June 2018 at DSATM, Bangalore.
- Completed NI LabView Data Acquisition using myDAQ from 26th to 31st July 2018 at DSATM, Bangalore.
- Participated 5-day workshop on NI LabView myRIO from 13th to17th October 2018 at DSATM, Bangalore.
- Participated in 5-Day Faculty Development program on “Big Data analysis using Hadoop” held at DSU, Bangalore on 16th to 20th January 2019
- Participated in 3-Day Faculty Development program on “Data Science Analysis” held at SJBIT, Bangalore on 22nd to 24th January 2019.
- Participated in 3-Day Faculty Development program on “Research Methodology” held at DSATM, Bangalore on 21st to 23rd February 2019
- Participated in 5-Day Faculty Development program on “Machine Learning and Deep Learning with H2O.AI” held at DSATM, Bangalore on 28th January to 1st February 2020
- Participated in 5-Day Faculty Development (Webinar) program on “research Focus n Computer Science” held at DSATM on 8th June to 12th June 2020.
- Participated in 5-Day Faculty Development (Webinar) program on “research Focus n Computer Science” held at AMC, Bangalore on 29th June to 1st July 2020.
- Participated in 15 Day Faculty Development (Webinar) program on “Basic Computer Vision With Python” held at NIE, Mysore on 16th to 20th June 2020.
- Attended the Workshop on “Artificial Neural Network Using MATLAB Tool” for Five days from 21.2.2022 to 25.2.2022 held at JAIN Department of Science and Engineering
- participated in the one week Online Faculty Development Program on "AI Applications to Power Systems" during 17th – 22nd January 2022, organised by Department of Electrical & Electronics Engineering, Siddaganga Institute of Technology, Tumakuru.
- Participated in the workshop on “Recent Developments in Smart Grid and Applications” in association with VTU, Belagavi and IEEE PES Chapter, from 05th- 07th September 2022, Organized by Department of Electrical and Electronics Engineering, GSSSIETW, Mysuru.
- Participated in Five day Faculty Development Program on “SCILAB from 17th - 21st October 2022 by DEPARTMENT of EEE , GSSSIETW,Mysore .
- Successfully completed 30 days training on Python Fullstack Development at Pantech E learning Pvt Ltd, Chennai from 28/02/2023 To 29/03/2023
- Successfully completed 30 days training on electric vehicle design at Pantech E learning Pvt Ltd, Chennai from 28/06/2023 To 28 /07/2023.

- Attended one week Faculty Development Program on Recent Trends in Power Electronics Applications to Renewable Energy, Smart Grids and Electrical Vehicles. BMS College Of Engineering
- Participated and successfully completed one week online short term training programme on Solar PV Systems and its applications from 27th March to 1st April 2023.
- Participated in IP Awareness /Training program under National Intellectual Property Awareness mission on January 12, 2023

Contact Details

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