




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

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

<b>Faculty Name</b>	RAJATH G R	
<b>Designation</b>	Assistant Professor	
<b>Educational Qualification</b>	B.E, M.Tech	
<b>Experience in Years</b>	0.6 (Industry) + 8 (Teaching)	
<b>Area of Interest</b>	Smart Grid, Power Electronics, Hybrid Electric Vehicle.	
<b>Date of Birth</b>	09/09/1987	
<b>Email ID</b>	Rajath-eee@dsatm.edu.in	

**Educational Details**

- M.Tech- in **Computer Application in Industrial Drives** from **NIE, Mysuru, VTU**
- B.E- in Electrical & Electronics Engineering from Jawaharlal Nehru National College of Engineering, Shivamogga.

**Personal Details**

- Date of Birth: 09-09-1987
- Hobbies: Gardening, Photography, Cooking
- Languages Known : Kannada, English, Hindi and Marathi

**Professional Experience**

- Working as Asst. Professor in DSATM, Bangalore from July 2013 to Present.
- Employed as Lecturer in BTL Institute of Technology, Bangalore from September 2012- July 2013.
- Employed as Assistant Engineer at Byagadehalli, Kadur(T) 220/110/11KV Sub-Station as Contractual basis.

**Publications**

**International Conferences:**

A Novel implementation of PFC converter using PCCM Boost technique, in IEEE Conference on Recent Innovations in Electrical, Electronics & Communication Engineering(ICRIEECE) at Kalinga Institute of Industrial Technology, Bhuvaneshwar on July 27-28 2018.

**National Conferences:**

- A comparative study of Perturb and Observer method and Incremental Conductance method at 5th National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of technology and Management (NCCSTM-2019), held on May 10<sup>th</sup> 2019 Bangalore, ISBN No 978-93-81195-97-0

- "Force Behind the Sensor for Wind Turbine Direction" 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.
- "Integrated Dual Output Buck and Boost Converter", has been presented in 9th National Conference on "Advanced techniques in Electrical & Electronics Engineering" held on 9th May 2018, at SJBIT , Bangalore.
- "Solar PV Cell Interfaced With Grid Connected Multilevel Inverter For Distributed Power Generation", 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 Number: 01.1617/vol4iss3pid0040074.
- "HYBRID CONVERTER WITH SIMULTANEOUS DC AND AC OUTPUTS", 3rd National Conference on Convergence of Science, Bangalore (NCCSTM-2017), held on May 19th 2017, ISBN No. 978-93-85682-48- 3.
- "HIGH STEP-UP DC-AC CONVERTER FOR A GRID CONNECTED PV SYSTEM" , 3<sup>rd</sup> National Conference on Convergence of Science, at Dayananda Sagar Academy of technology and Management (NCCSTM-2017), held on May 19th 2017 Bangalore, ISBN No. 978-93-85682-48- 3.
- Rajath GR, Deeksha annapoorna, Meghana N, Kavhashree, Tejaswini YN "**Modelling and Simulation of Microgrid** " has been presented and published in "**National Conference on convergence of science and technology and management 2016 NCCSTM(ISBN No. 978-9384935-97-9)**", held on May 5<sup>th</sup> 2016 at Dayananda Sagar Academy of technology and Management, Bangalore.
- Rajath GR, Anirudh R S, Swetha P, Amey prasad, Shankar R, "**Partical Swarm Optimizatoin applied to Economical Load Dispatch** " has been presented and published in "**First National conference on green computing technology NCGCT( ISBN No. 978-03-84935-31-3.)**", held on May 7<sup>th</sup> 2015 at Dayananda Sagar Academy of technology and Management, Bangalore

### Academic Activity

- NBA/NAAC co-ordinator
- E-governance Co-ordinator
- Departmental IQAC co-ordinator
- Departmental Exam co-ordinator

### Faculty Development Activity/Workshops

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- Participated in 2days online workshop on "**NATIONAL CYBER SAFETY AND SECURITY STANDARDS**" in associations with **National Cyber Defense Research Centre (NCDRC)** held on 06-01-2022 to 07-01-2022 orgainzed by Bapuji Institute of Engineering and Technology, Davanagere.
- Participated in 2days online workshop on "**Transfomation through NAAC**

**Accreditation Process, A National Level”** Workshop for Higher Educational Institutions”, held on 21<sup>st</sup> and 22<sup>nd</sup> June 2021 conducted by “**Institute for Academic Excellence, Hyderabad**” in collaboration with “**Collegiate Education & Technical Education Department, Telangana state**.”

- Presented Research work titled “**BATTERY MANAGEMENT SYSTEM FOR EV APPLICATIONS**” in the Research Conclave organized by the Research Cell, IQAC DSATM, Bengaluru.
- **AICTE** sponsored 5 day Workshop on **Smart Cities** sponsored by **ATAL from 18th - 22nd Jan 2021** at DSATM, Bangalore
- National Level FDP on **decoding examination during & post COVID -19** on 8<sup>th</sup> May 2020 organized by **SKILLSLATE** and powered by **Zovy Studios, Pune**.
- 5 day FDP on Future & Emerging Trends in Electrical and Electronics Systems with Artificial Intelligence(Machine Learning), IIOT & smart Grids using **LABVIEW from Jan-28th 2020 to Feb 01nd 2020** in associations with **National Instruments by VI solutions** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **AICTE** sponsored 5 day Workshop on **Cyber Security** organized by **NPTI from 2nd - 6th Dec 2019** at DSATM, Bangalore.
- 5 day FDP on **Graphical Programming Data Acquisition and Hardware Programming** using **LABVIEW from june-28th 2019 to July 02nd 2019** in associations with **National Instruments by VI solutions** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Five Days Faculty Development Program on Bosch Rexroth PLC, Servo Drives, Sensors and SCADA on January 16<sup>th</sup> -20<sup>th</sup>, 2019**, in association with Bosch Rexroth & Institution of Engineers (INDIA) at Dayananda Sagar Academy of Technology and Management, Bangalore
- **Three Day workshop on NAAC assessment & accreditation from 31<sup>st</sup> Jan to 2<sup>nd</sup> Feb 2019** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Five day training on LabVIEW MyRIO by National Instruments , 13<sup>th</sup> to 17<sup>th</sup> October 2018** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Four days Faculty Development Program on Latest advancements in power Engineering Sector, held on Jan 8<sup>th</sup> -11<sup>th</sup>, 2018** Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Three day NBA workshop, held on 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> December 2017** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Three day workshop on OBE Practices on 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> June 2018** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Five day training on LabVIEW Core1 & Core by National Instruments , 8th June 2018 to 13th June 2018** at Dayananda Sagar Academy of Technology and Management,

Bangalore.

- **Five day training on LabVIEW Data Acquisition using myDAQ by National Instruments, 26th July 2018 to 31st July 2018** at Dayananda Sagar Academy of Technology and Management, Bangalore.
- **Two week ISTE STTP on “ELECTRIC POWER SYSTEM** “conducted in BMS College Bangalore on 10 th July to 15 th July 2017 organized by **Indian Institute of Technology Kharagpur.**
- **One-week Faculty Development Program at BNMIT, Bangalore, on “INTEGRATION OF GREEN ENERGY TO SMART GRID-CHALLENGES AND OPPORTUNITIES”,** held on 11th to 16th July 2016.
- National workshop on **‘TOPICAL AND EMERGING SMART GRID TECHNOLOGY – AN OVERVIEW’** held at Dayananda Sagar Academy of Technology and Management, Bangalore on 6th November 2015.

### **Achievements**

- Cleared Online NPTEL Course of subject **Design of Photovoltaic Systems and Electric Vehicle part-1**
- Selected as **Subject Expert/Adjunct Faculty** for **Computer Aided Electrical Drawing** and gave lecture for 50 hours class at BNMIT, Bangalore.
- Departmental Co-ordinator for International Conference held from 19<sup>th</sup> to 20<sup>th</sup> march 2019, at DSATM, Bangalore.
- 3 times Got 100% result for **Computer Aided Electrical Drawing** subject.

### **Contact Details**

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