



**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT**  
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.  
(Accredited by NAAC with A+ Grade)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG**  
(Accredited by NBA, New Delhi)

<b>Faculty Name</b>	<b>GOPAL CHANDRA SARKAR</b>	
<b>Academic Designation</b>	<b>Associate Professor</b>	
<b>Educational Qualification</b>	<b>B.Tech. Jadavpur University Kolkata M.Tech. IIT Mumbai</b>	
<b>Experience in Years</b>	<b>9.5 years (Academics) 27 years (Industry)</b>	
<b>Area of Interest</b>	<b>Communication Engg.</b>	
<b>Email ID</b>	<b>gopalcsarkar-eee@dsatm.edu.in</b>	

### Educational Details

- M.Tech. - Communication Engineering from IIT, Mumbai 1995
- B.Tech. - Electrical Engineering from Jadavpur University, Kolkata 1986

### Personal Details

- Hobbies: Travelling
- Languages Known: English, Hindi, Bengali, Kannada(Moderate)

### Professional Experience

- Working as Associate Professor in EEE, DSATM, Bangalore from Nov 2014 till date.
- Worked as Associate Professor in ECE Dept, SJGIT from Jan 14 to May 2014.
- Served in the IAF for 26 years 2 months as a Commissioned Officer.
- Worked as Assistant Engineer in Instrumentation in JK Synthetics Ltd, Kota, Rajasthan from July 1986 to Jan 1987.

### Publications

#### International Journals:

1. **IOT based Smart Greenhouse** : Published In IJRAR ( www.ijrar.org ) UGC Approved (Journal No : 43602) & 7.17 Impact Factor Volume 10 Issue 2 May 2023, Date of Publication: 14-May-2023 PAPER ID : IJRAR23B2909 DOI : <http://doi.one/10.1729/Journal.34272>
2. **A Survey on Improvised Explosive Ordnance Disposal Device** : International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 07 Issue: 05 | May - 2023 SJIF 2023: 8.176 ISSN: 2582-3930 DOI: 10.55041/IJSREM21871

#### National Journals:

- NIL

### Conferences:

- “Automatic Voltage Regulator with high reliability for rural networks” has been presented and published in National Conference on Emerging Science, Technology and Management (NCCSTM) held on 5th May 2016 with ISBN No. 978-9384935-97- 9at Dayananda Sagar Academy of Technology and Management, Bangalore.
- “Pulse Width Modulation Technique for Cascaded Multilevel Inverters” has been presented and published in National Conference on Convergence of Science ,Technology and Management (NCCSTM) May 5<sup>th</sup> 2016 with ISBN No. 978-9384935-97-9 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- “Priority Based Load Management” has been presented and published in National Conference on Convergence of Science, Technology and Management (NCCSTM) May 7<sup>th</sup> 2015 with at Dayananda Sagar Academy of Technology and Management, Bangalore
- “Colour Changing Robots using RGB LEDs”; 3rd National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2017), held on May 19th 2017 Bangalore, ISBN No. 978-93-85682-48-3.
- “Fire Extinguishing Robot” 5<sup>th</sup> 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. 978-93-85682-48-3.
- “Solar Power Remote Monitoring and Controlling using Arduino, IoT and Web Browser” 6<sup>th</sup> National Conference (Online) on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2020), held on May 27<sup>th</sup>, 2020 Bangalore, ISBN No. 978-93-85682-48-3.
- “DC Micro Grid” 6<sup>th</sup> National Conference (Online) on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2020), held on May 27<sup>th</sup>, 2020 Bangalore, ISBN No. 978-93-85682-48-3.
- “Solar Panel Monitoring and Maintenance System” National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2021), held on 10<sup>th</sup> July, 2021, Bangalore.
- “Soft Starter for Three Phase Induction Motor” National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2021), held on 10<sup>th</sup> July, 2021, Bangalore.
- “Fault Detection in motor arrays using Wireless Sensor Networks” National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2022), held on 28<sup>th</sup> June, 2022, Bangalore.
- “IOT based Smart Home Automation and Surveillance” National Conference on Convergence of Science, Technology and Management at Dayananda Sagar Academy of Technology and Management (NCCSTM-2022), held on 28<sup>th</sup> June, 2022, Bangalore.

### Awards

- Awarded with a medal for serving the nation at high altitude, desert area and harsh weather conditions.
- Awarded with a medal for distinguished service to the nation for 25 years.

### Academic Activity

- Criterion In charge for NBA and NAAC in the Dept
- Member, Central Library Advisory Committee

- In charge of VTU Curricular Internship for Dept
- In charge of AICTE Eduskills Virtual Internship (Skills Enhancement Programmes) for EEE students
- Mentor for 1<sup>st</sup> year students of different Depts.
- Social Media Coordinator for the EEE Dept
- EEE Dept Coordinator for International Relation Cell

### **Faculty Development Activity**

- Participated in national workshop on ‘Topical and Emerging Smart Grid Technology – an overview’ held at Dayananda Sagar Academy of Technology and Management, Bangalore on 6<sup>th</sup> November 2015.
- Participated in the ‘National Summit on Quality in Education’ (Registration No. SE 133) addressing quality in education for the 21<sup>st</sup> century on ‘Smart Measurements for a Sustainable Educational Institution’ organized by CII Institute of Quality on 27 – 28 September 2013 at Christ University, Bangalore.
- Participated in the National Conference on ‘Cyber Security’ organized by ITUAPT Foundation of India, Amrita VishwaVidyapeetham, IEEE, Computer Society of India (CSI) and Software Technology Parks of India (STPI) from 8 – 10 March 2007.
- Participated in Workshop on ‘Outcome Based Education Practices’ held at Dayananda Sagar Academy of Technology and Management, Bangalore from 18<sup>th</sup> - 20<sup>th</sup> June 2018.
- Participated in workshop on ‘National Board of Accreditation’ held at Dayananda Sagar Academy of Technology and Management, Bangalore from 11<sup>th</sup> – 13<sup>th</sup> December 2017.
- Participated in Faculty Development Programme on ‘Machine Learning using Python’ held at Dayananda Sagar Academy of Technology and Management, Bangalore from 16<sup>th</sup> - 20<sup>th</sup> July 2018.
- Participated in Faculty Development Programme on ‘Latest Advancement in Power Engineering Sector’ held at Dayananda Sagar Academy of Technology and Management, Bangalore from 8<sup>th</sup> - 11<sup>th</sup> July 2018.
- Participated in Faculty Development Programme on ‘Graphical Programming, Data Acquisition and Hardware Programming using NI Lab View’ held at Dayananda Sagar Academy of Technology and Management, Bangalore from 28<sup>th</sup> June – 2<sup>nd</sup> July 2019.
- Participated in Faculty Development Programme on ‘Recent Trend in Science for Versatile Engineering Applications (RSVEA - 2019)’ held at Dayananda Sagar Academy of Technology and Management, Bangalore from 25<sup>th</sup> - 27<sup>th</sup> July 2019.
- Participated in Faculty Development Programme on “BOSCH REXROTH, Servo Drives, Sensors and SCADA” held at Dayananda Sagar Academy of Technology and Management, Bangalore from 16<sup>th</sup> - 20<sup>th</sup> July 2019.
- Participated in Training Programme on ‘Cyber Security’ held at Dayananda Sagar Academy of Technology and Management, Bangalore in association with National Power Training Institute from 2<sup>nd</sup> - 6<sup>th</sup> December 2019.
- Participated in Faculty Development Programme on “Future & Emerging Trends in EE Systems with Artificial Intelligence (Machine Learning), IIoT & Smart Grids at Dayananda Sagar Academy of Technology and Management, Bangalore in association with National Instruments Systems (India) Pvt Ltd, Bangalore from 28<sup>th</sup> January - 1<sup>st</sup> February 2020.
- Participated in 5 days Faculty Immersion Programme on Pedagogical Approaches organized by Dayananda Sagar Academy of Technology and Management, Bangalore from 01 – 04 April 2022.
- Completed successfully online NPTEL course on Electromagnetic Waves on Guided and Wireless Media conducted by IIT Kanpur from Feb – March 2022.

- Participated in one week Faculty Development Program on Electrical Transient Analyser Program (ETAP) for Power System Applications organised by Electrical and Electronics Department of Dayananda Sagar Academy of Technology and Management in association with Innovaskill Technologies Private Limited, Banagalore from 16 – 21 Oct 23

### **Administrative Activity**

- Held various Technical/Training/Administrative leadership appointments while serving in the IAF.

### **Professional Membership**

- Graduate Member, All India Management Association (AIMA), New Delhi
- Membership No.G – 220010713 wef 1st October 2001.

### **Contact Details**

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### **My Vision**

- To continuously strive to develop my knowledge, skills, and competence to better fulfill education, professional growth and service responsibilities of me as well as my students in line with the future trends in terms of technology and educational policies.