

Smt.Sowmya Anand.BE (E &E), M. Tech. (Digital Electronics).
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RESEARCH INTEREST:

Power Electronics, Power System.

Pursuing Ph.D at SSIT Tumukur during the year 05-03-2022.

TEACHING EXPERIENCE:

Having 10 years of teaching experience.

- Worked as Lecturer in Electrical & Electronics Engineering, BIET, Davangere, from 08 August 2010 to June 2012.
- Presently working as Assistant Professor of Electrical & Electronics, BIET, Davangere, from February 2016 to till date.

EDUCATION:

M.Tech. in Digital Electronic, Affiliated to Visvesvaraya Technological University, Belagavi, during the year 2016, Percentage (First Class with Distinction): **72%**

PROFESSIONAL MEMBERSHIP:

- Member of Indian Society for Technical Education (ISTE)
- Member for Associate Institute of Engineers (MIE)

PAPER PUBLICATION

- Published paper entitled "A Comprehensive Investigation of DG Integration with DC Microgrid" published in World Journal of Advanced Research and Reviews(WJARR) 2024.
- Published paper entitled "Safety Precaution in Mining Industries to Refuge Miners from Hazardous Events Using Smart Helmet" published in International Research Journal of Modernization in Engineering Technology and Science ,September 2023.

- Published paper entitles on “**Simulation of PI based controller for Voltage Source Converter based HVDC Transmission**”, Dickensian Journal, Vol.22, Issue 7, JULY .2022.
- Presented the paper entitled “**Simulation Of Single Phase New Multilevel Converter Topology For Vsc Based HvdC Grid ConnectedOffshore Wind Power Plant**” at the International Conference on Applied Intelligence and Computing (ICAAIC – 2022) organized by Narasu’s Sarathy Institute of Technology, Salem, Tamil Nadu, India held on 9th -11th , May 2022.
- Published paper entitles on “**Electrical Energy Audit-An Overview**”, IJLTEMAS, Vol.7, Issue6, 2018.
- A Review on Different types of DC-DC Converter on 20th March 2015 Joythi Institute of engineering, Bangalore.
- A Review on Different Types of DC-DC Converters” International Journal of Advanced Research in Computer Science & Technology Vol. 3, Issue 2 (Apr. - Jun. 2015).

Workshops / Conferences Attended:

- Attended a THREE days' workshop program on **“MATLAB R2017a”** from 28-30 July 2017 conducted by Department of Electrical and Electronics Engineering, Vidyavardhaka College of Engineering Mysuru in association with CoreEL Technology, Bengaluru.
- Attended a FOUR days FDP on **“LATEST ADVANCEMENTS IN POWER ENGINEERING SECTOR** “from 8th -11th January 2018 conducted by Department of Electrical and Electronics Engineering, Dayanana Sagar Academy of Technology & Management College of Engineering, Bengaluru.
- Attended a THREE days FDP on **“DIGITAL SIGNAL PROCESSING LAB ”** from 29th -31th January 2018 conducted by Department of Electrical and Electronics Engineering, Acharya Institute of Technology , Bengaluru.
- Attended a TWO days FDP on **“ARM CORTEX M3 MICROCONTROLLER ”** on 23rd & 24th January 2018 conducted by Department of Electronics and communication Engineering, BIET in association with ISTE, BIET Chapter and Advanced Electronics Systems, Bangalore
- Attended a One week AICTE-ISTE sponsored Induction/Refresher program on **“Recent Advances In Smart Grid Technology** “from 21th-26th January 2019 conducted by Department of Electrical and Electronics Engineering, University BDT College, Davangere.
- Attended a ONE day FDP program on **“COMPUTER VISION IN INDUSTRY, CLOUD & MICROSERVICES ON API”** held on 16th February 2019 conducted by Department of Electrical and Electronics Engineering, BIET College, Davangere.
- Attended Short Term Training Programme through ICT Mode on **“EFFECTIVE TEACHING”** from 15th-19th August 2019 BIET College, Davangere.
- Attended a ONE week webinar program on **“POWER ELECTRONICS :RECENT TRENDS AND APPLICATIONS”** from 3rd -10th August 2020 conducted by Department of Electrical and Electronics Engineering, SIT College, Tumkur.
- Attended a Five Days online FDP program on **“RECENT RESEARCH DEVELOPMENT IN ELECTRICAL ENGINEERING”** from 4th -8th August 2020 conducted by Department of Electrical and Electronics Engineering, PES Institute of Technology and Management, Shivamogga.
- Attended a One week online FDP program on **“EMERGING TRENDS IN POWER ELECTRONICS AND POWER SYSTEM”** from 24th - 29th August 2020 conducted by Department of Electrical and Electronics Engineering, OP Jindal University ,Raigarh, Chattigarh, India.

- Attended an International Conference on **“AI, ROBOTICS AND AUTOMATION”** from 14th -18th October 2020 conducted by ICT Academy of Tamil Nadu.
- Attended an International Conference on **“SIGNAL, COMMUNICATION AND EMBEDDED SYSTEMS”** from 14th -18th October 2020 conducted by ICT Academy of Tamil Nadu.
- Attended an International Conference on **“ADVANCES IN SENSOR, ENERGY AND HYBRID VEHICLES”** from 14th -18th October 2020 conducted by ICT Academy of Tamil Nadu.
- Attended an International Conference on **“ADVANCES IN IOT, HIGH PERFORMANCE AND EDGE COMPUTING”** from 14th -18th October 2020 conducted by ICT Academy of Tamil Nadu.
- Attended a webinar on **“REMOTE LAB PLATFORM FOR HARDWARE CIRCUIT EXPERIMENTS ”** on 10th November 2020 conducted by the Department of Electronics and Communication Engineering in association with Institution of Engineers(India), Davangere Local center, Davangere
- Attended a webinar on **“PROBLEM STATEMENTS FOR RESEARCH IN ELECTRIC AND HYBRID VEHICLES”** on 7th June 2021 conducted by Automotive Homologation Consultant, Haritha TechLogix, and Bengaluru.
- Attended a One week online FDP program on **“CONTEMPORARY SCENARIO IN POWER SYSTEMS”** from 25th - 30th July 2021 conducted by Department of Electrical and Electronics Engineering, **ATME College of Engineering, Mysuru.**
- Attended a webinar on **“RECENT TRENDS IN ELECTRICAL POWER SYSTEM”** on 6th January 2021 conducted by Department of Electrical and Electronics Engineering, Angadi, Institute of Technology and Management Belagavi.
- Attended a webinar on One Week Online Programme On **“MODEL BASED DESIGN USING MATLAB, AICTE-ISTE Sponsored Orientation/ Refresher Electronic Design Automation Technologies “**From 9th to 15th March 2021 Organised by K. I. T.’ s College Of Engineering (Autonomous), Kolhapur.
- Attended a webinar on AICTE - Envisioning the reforms in Higher Education in the context of National Education Policy 2020 on 08th July 2021, New Delhi -110070.
- Attended a Six days online FDP program on **‘MACHINE LEARNING’** from 19th - 24th July 2021 conducted by EICT Academy-IIT, Kanpur.
- Attended six days AICTE - STTP on **“Application of Machine Learning and Artificial Intelligence Techniques for Control of Future Grid”** from 2nd to 7th August 2021 Organized by Department of E&E, NMAMIT, and Nitte.
- Participated in the workshop **“Embedded Systems -An Application Driven Approach”** organized by the All India Council for Technical Education (AICTE), ATAL Academy, STMicroelectronics and Arm Education, from August 25th-27th 2021.
- Attended Six days AICTE - STC on **“Power System Restructuring & Renewable Energy Integration (PSRREI) 3.0”** from 6th to 10th September 2021 Organized by Department of E&E, BVCOE, Vihar, New Delhi.
- Mrs. Sowmya Anand Asst. Professor has participated in the Two days Online workshop on **“National Cyber Safety and Security Standards”** in Association with National Cyber Defence research center" organized by Bapuji Institute of Engineering and Technology, Davangere, held on 6th & 7th January 2022.

- Mrs. Sowmya Anand Asst. Professor has successfully completed the AICTE ISTE approved Orientation/Refreshers programme on “Electronic Assistive device” organized by Bapuji Institute of Engineering and Technology, Davangere, Karnataka held from 7th -13th January 2022.
- Mrs. Sowmya Anand Asst. Professor has participated in the one week Online Faculty Development Program on "AI Applications to Power Systems" organized by Department of Electrical & Electronics Engineering, Siddaganga Institute of Technology, Tumukur, 17th- 22th January 2022.
- Mrs. Sowmya Anand Asst. Professor has participated in tech talk on ”Innovate for India” organized by department of Information Science and Engineering in association with NAIN(New Age Innovation Network) on 20th May 2022.
- Mrs. Sowmya Anand Asst. Professor has participated in the workshop "Embedded Systems - An Application Driven Approach" organized by the All India Council for Technical Education (AICTE), ATAL Academy, STMicroelectronics and Arm Education, held from 25th - 27th August 2022.
- Mrs Sowmya Anand, Assistant Prof has been participated in the One Day Webinar on “Current status and future prospects of GaN power HEMTS”, organized by Sreenivasa Institute Of Technology And Management Chittor on 15th June 2023.
- Mrs Sowmya Anand Asst Prof has been participated in the Five Day FDP on “Trends in technological intelligence 2023” organized by BBDNIIT Lucknow from 21st to 25th August 2023.
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RESPONSIBILITIES:

- ERP
- Time Table
- BI Tech
- Techno wave Magazine
- Department News Letter
- AICTE-Parakh

SUBJECTS TAUGHT:

1. Basic Electrical Engineering.
2. Operational Amplifier and IC's
3. Digital System Design.
4. Power Electronics.
5. Digital Signal Processing.
6. Transformer and Induction Motor.
7. Electrical power Utilization.

Residential Address:

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