



# G.V. SWATHI

ASSISSTANT PROFESSOR

## SUBJECTS HANDLED

- ✓ Power Electronics
- ✓ Basics of electrical Engineering
- ✓ Static Drives
- ✓ Control systems
- ✓ Electrical Circuits
- ✓ Principles of Electrical Engineering
- ✓ Power Systems –I

## LABS HANDLED

- ✓ Electrical Simulation
- ✓ Power Electronics & Simulation
- ✓ Control systems & Simulation
- ✓ Network Theory
- ✓ Electrical Machines

## OBJECTIVE

Seeking a responsible post of lecturer for giving the practical knowledge which makes the student's career progressive and to acquire a position that affords the opportunity to bring my technical expertise, problem solving skills and willingness to learn to make an organization.

## EXPERIENCE

**WORKING AS ASSISTANR PROFESSOR IN ACE ENGINEERING COLLEGE • NOV 2021 – TILL DATE**  
**WORKED AS ASSISTANT PROFESSOR IN SRIDEVI WOMEN'S ENGINEERING COLLEGE • DEC 2013 – OCT 2021**

- Deep knowledge of the subject.
- Monitoring Attendance.
- Prepare lesson plans and methods of assessment.
- Helping Students in solving their problems.
- Helping students in Projects.
- Viva's for students during Internal Examinations.
- Organize the industrial visit for students.
- Preparation of Question papers for Internals.
- NBA/NAAC accreditation
- JNTUH Affiliation inspections



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## EDUCATION

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### **PURSuing PHD IN LOVELY PROFESSIONAL UNIVERSITY**

**M.TECH (POWER ELECTRONICS) • DECEMBER 2013 • ST' MARTINS ENGINEERING COLLEGE(JNTUH)**

**B. TECH (EEE) • APRIL 2007 • G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE(JNTUH)**

**INTERMEDIATE (MPC). APRIL 2003. GOWTHAM JUNIOR COLLEGE.**

**SSC. APRIL 2001. ST'MARY'S GIRLS HIGH SCHOOL.**

## COMPUTER KNOWLEDGE

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- ✓ MATLAB
- ✓ Simulink
- ✓ MS Excel
- ✓ MS Word
- ✓ Power point
- ✓ OBS Software
- ✓ Python

## ACCOMPLISHMENTS

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- Team Member of the DST Project entitled “**Application of Geospatial Graph Database Technologies to Power Distribution**”.
- Successfully completed **NPTEL** course on “**Advance Power Electronic and Control**”.
- Awarded Associate Member of The Institute of Engineers (India).
- Awarded Life Member of ISTE.

## PAPERS PUBLISHED

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- Published paper on, “**Wireless Block Box Using for Driver Safety and Vehicle Accidental Monitoring**”, in International Research Journal of Engineering and Technology (IRJET)
- Published paper on, “**IoT Based Solar Power Monitoring Using Arduino**”, in International Research Journal of Engineering and Technology (IRJET)
- Published paper on, “**Performance And Analysis of I-V Characteristics of PV Plant at Different Weather Conditions**”, International Journal Of Progressive Research In Engg Management And Science (IJPREAMS)
- Published paper on, “**50kwp Plant Design and Configuration**”, International Journal Of Progressive Research In Engg Management And Science (IJPREAMS),

- Published paper on, “**Design an Efficient Power Electronics Transformer (PET) for the Improvement of Quality in Power**”, in International Journal of Engineering & Technology
- Published paper on, “**Space Vector Controlled Bipolar LVDC Micro Grid Analysis with DC Symmetrical Component Technique**”, in IJRECE VOL. 6 ISSUE 4 (OCTOBER-DECEMBER 2018)
- Published paper on, “**An Indirect three level Z-Source Matrix Converter with flexible modulation schemes**”, in Global Journal of Advanced Engineering Technologies.

## CONFERENCE PARTICIPATED

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- Attended and participated in 1st National Conference on Applications of Soft Computing Techniques in Engineering NCASCTE-2022 on “**Performance and Analysis of I-V Characteristics of PV Plant at Different Weather Conditions** “, organized by Department of Electrical and Electronics Engineering, ACE Engineering College.
- Attended and participated in 1st National Conference on Applications of Soft Computing Techniques in Engineering NCASCTE-2022 on “**50kwp Plant Design and Configuration** “, organized by Department of Electrical and Electronics Engineering, ACE Engineering College.
- Attended and Participated in AICTE sponsored National Conference on Engineering Applications of ArtificialIntelligence on,” Route Clearance System using PLCand SCADA under Emergency conditions”, organized by Department of Computer Science and Engineering, ACE Engineering College.

## FDP ATTENDED

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- “Machine Learning & AI using Python”, Organized by Electronics and ICT Academy, IIT Roorkee from 27<sup>th</sup> April – 6<sup>th</sup> May,2020.
- “Recent advance in Power Electronic Applications with MATLAB Simulations”, Organized by Electronics and ICT Academy, NIT Patna from 25<sup>th</sup> May – 30<sup>th</sup> May,2020.
- “Harnessing Solar Energy for Reducing Carbon Foot Print”, Organized by Sri Shankaracharya Technical Campus, Bhilai from 16<sup>th</sup> June – 20<sup>th</sup> June,2020.
- “Renewable Energy Application in Smart Grid, Micro Grid and EVs”, Organized by GMR Institute of Technology, Rajam from 13<sup>th</sup> July – 17<sup>th</sup> July ,2020.
- “Control of Power Electronic Converters for on Grid and off Grid Applications”, Organized by Sardar Vallabhnbhai National Institute of Technology, Surat from 3<sup>rd</sup> August – 7<sup>th</sup> August,2020.
- “Applications of Artificial Intelligence on Electrical Devices & Networks”, Organized by St. Martin’s Engineering College, Hyderabad from 1<sup>st</sup> August – 3<sup>rd</sup> August,2020.
- “eSim – an open-source EDA Tool for Circuit Design, Simulation, Analysis and PCB Design”, Organized by Sridevi Women’s Engineering College, Hyderabad from 29<sup>th</sup> July

– 31<sup>st</sup> July, 2020.

- “Arduino”, Organized by Sridevi Women’s Engineering College, Hyderabad from 4<sup>th</sup> August – 10<sup>th</sup> August,2020
- “Data Science and Application to Power and Energy Management”, Organized by Department of Electrical & Electronics, CVSR College of Engineering from 17<sup>th</sup> December- 21<sup>st</sup> December,2018

## FDP ORGANIZED

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- **Coordinator** for “3 Days Workshop on Power Electronics Application in Renewable Energy by Using MATLAB and IoT” in association with “Pantech ProEd Private Ltd.” from 12<sup>th</sup> to 14<sup>th</sup> March 2020.
- **Coordinator** for One Week Online FDP on “Electric Vehicle Design, Development & Challenges”, in association with SkillShark, from 15<sup>th</sup> July – 2<sup>st</sup> July, 2020.
- **Coordinator** for 10 Day STP on “Python Programming”, in Association with Spoken Tutorial IIT Bombay from 19<sup>th</sup> August – 03<sup>rd</sup> August, 2020.
- **Co-Coordinator** for the AICTE Sponsored One Week Online STTP on,” Application on AI and IoT to Power Systems including Smart Grid”, Phase I from 09<sup>th</sup> November – 14<sup>th</sup> November, 2020.
- **Co-Coordinator** for the AICTE Sponsored One Week Online STTP on,” Application on AI and IoT to Power Systems including Smart Grid”, Phase II from 14<sup>th</sup> December – 19<sup>th</sup> December, 2020.

## WEBINARS ATTENDED

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- “Energy for sustainable Environment for Transforming the future”, Organized by Pandit Deen Dayal Petroleum University on 06<sup>th</sup> June, 2020.

## WEBINARS ORGANIZED

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- **Coordinator** for “A National Level series of Webinars”, Organized by Department of Electrical & Electronics Engineering Sridevi Women’s Engineering College from 1<sup>st</sup> July – 08<sup>th</sup> July, 2020
- **Coordinator** for Webinar on “Latest Trends in Green Energy Technologies”, Organized by Department of Electrical & Electronics Engineering Sridevi Women’s Engineering College in Association with “Pantech ProEd Private Ltd” on 02<sup>nd</sup> July, 2020
- **Coordinator** for Webinar on Ways for Women to lead Impactful Careers, Organized by Department of Electrical & Electronics Engineering Sridevi Women’s Engineering College in association with “SkillShark” on 15<sup>th</sup> August, 2020.

## PERSONAL PROFILE

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Date of Birth                      15 Sep 1985

Languages Known                English, Hindi, Telugu

*I hereby certify that the above details are correct and complete to the best of my knowledge and belief.*

**(G.V. SWATHI)**