SREE VIDHYA VAIDYANADHAN,

B.E.(EEE),M.E.(PEDC),(Ph.D)

E-mail: sri.vydhyanadhan@gvpcew.ac.in
Mobile: +916302836828

CAREER OBJECTIVE

To work in an organisation that provides value-based education in groups or individually, and enthusiastically contributing to the organization's progress through professional ethics and lifelong learning.

SKILL SUMMARY

Courses Taught : Renewable Energy Sources and Systems, Energy Audit, Basic Electrical Engineering, Network Analysis, Power Electronics.

Labs Handled : Electrical Circuits Lab, Power Electronics Lab, Electrical Machines Lab

Software Tools : MATLAB/Simulink

Open Source Tools : Solar Advisory Model (SAM), PVSyst.

Under Graduate Projects Guided :

(a) Study of control techniques for series loaded resonant converters
(b) Design and Analysis of Series Loaded resonant Converter fed by Standalone /PV Source.
(c) Maximum Power Point Tracking of PV Module using Golden Section Search Method.
(d) Energy Audit- A case Study of an Institutional Building.
(e) Home Automation System Using Internet of Things.
(f) Design and Simulation of Standalone PV System for Domestic Loads using SAM

RESEARCH AREA

- Power Electronic Converters
- Renewable Energy Sources and Systems

PROFESSIONAL EXPERIENCE

College Name: Gayatri Vidya Parishad College of Engineering for Women
Designation: Assistant Professor
Duration: August 2015-Till Date

Responsibilities:

- Teach allocated courses such as **Renewable Energy Sources, Power Electronics, Electrical Machines and also electives like Energy Audit, Conservation and Management to undergraduate students**. To assist other senior professors in imparting instructional programs.
- Delivers instructor-led training by developing course materials in accordance with NBA principles- defining objectives, grading rubrics, and student assessment plans and also **conduct field visit and Virtual labs based learning other than laboratory sessions for practical exposure to the students of relevant study** .
- Get hold ofstudents from interactive classes using a student-centered approach based on analysis of individual learning styles and needs.

- **Assess student performance and conducts regular feedback sessions to inform students on their progress, identify their weak points, and create individualized training plans.**
- **Mentor 15 students out of 60 students per semester.**
- Evaluate students skill performance by assigning term projects and also encourage them to work as a team.
- **Maintained continuous professional development by** participation in various FDPs/ Conferences/Workshops and Seminars on Energy Engineering , Design of Power Electronic Converters for integration of RES organisedby various IITs, NITs andUniversities.
- Participate in the evaluation of the semester exams and progress reports of the students.
- **Refine learning activities using lesson plans and learning strategies to help the students.**
- Conduct class committee meetings thrice in a semester to fulfil their requirements if any.
- **Excellent interpersonal, oral and written communication skills,ability to manage time and work within strict timelines**.
- Cultural Coordinator of the institution as I am certified musician in Carnatic Music (Vocal).
- Served in the team of organizers for Technical and Cultural events in the institutional level.
- **Served as editorial member for e-magazine of the department**.

College Name : Sri Chaitanya Engineering College
Designation : Assistant Professor
Duration : June, 2011 – August, 2015

***Responsibilities*:**
- Taught concepts of electrical engineering and management for electrical and non-electrical majors (diverse fields of engg.) in this core class.
- Supervise the students to develop projects, motivate passion for learning and improve skills.
- Worked as Department Coordinator for ISO Certification.
- Ability to instruct, supervise and facilitate student learning effectively and efficiently.

CORE COMPETENCIES

- Data Interpretation : To design and evaluate the performance of DC-DC Converters for Renewable Energy Systems and LED applications
- Certification : Successfully Completed various NPTEL Courses with **Elite Certification** and received **Certificate of Appreciation**
- Conferences/Journals : No. of International Journals -- 5
  International Conference attended -- 3

EDUCATION AND QUALIFICATIONS

Dec, 2020	Pursuing **Ph.D in Electrical Engineering** Dept. at NIT Andhra Pradesh, INDIA.
2011-2013	**Master of Electrical Engineering(1st Class)** with the specialization in "Power Electronics, Drives and Control", Andhra University, Visakhapatnam, INDIA.
2003-2006	**Bachelor of Electrical and Electronics Engineering (1st Class)** - Andhra University, Visakhapatnam, INDIA.
2000-2003	**Diploma in Electrical and Electronics Engineering (1st Class) -** Govt. Polytechnic, Visakhapatnam, Andhra Pradesh.
1999-2000	**Class X (1st Class)**

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Student Member of Institute of Electrical and Electronics Engineers (IEEE)
Member of Institute of Engineers (India)
Member of International Association of Engineers (IAENG)Society of Electrical Engineering
Member of International Society for Research and development (ISRD)

FDPS/WORKSHOPS/ CONFERENCES

- Successfully completed five day online short term course on "**Power Electronics Applications in Smart-Grids and Electric Vehicles**", by NIT , Andhra Pradesh from 5th -9th Sept. 2022, sponsored by NaMPET Phase-III-C-DAC-MeitY.
- Participated in a 40-hour online FDP on "**Application of Power Electronics in Electric Vehicles and Energy Storage**" sponsored by Ministry of Electronics and Information Technology (MeitY), Govt. Of India organised by E&ICT Academy, NIT Warangal and NIT, Suratkal during 14th -22nd February, 2022.
- Participated in the workshop on "**FPGA based Controller for DC-DC Converter**s" organized by IEEE PES National Institute of Technology Calicut Student Branch Chapter in association with Industrial Power Group, NITC from 27th to 30th December 2021.
- Successfully completed the AICTE-ISTE approved Orientation/Refresher Course on "**E-Mobility and Battery Charging**" held during 9th-15th December, 2021 organised by GVPCEW, Visakhapatnam.
- Participated and successfully completed 30 Days **Renewable Energy** Master Class at Pantech. E-learning Pvt. Limited held virtually from 17th October, 2021-16th November, 2021.
- Presented a paper on *"***Inductor Switched Series Loaded Resonant Converter"** in the 47th Annual Industrial Electronics Conference IECON 2021, held virtually October 13-16, 2021.
- Successfully completed 5 hours module on **Technological Evolution of DC-Dc Converters for ON-Board Chargers** under the online course entiled Enabling Technologies for Electric Transportation organised from 30th July, 2021- 21st September, 2021 under the **"Scheme for Promotion of academic and Research Collaboration", Program of MoE, Govt. Of Indiaby MNIT, Jaipur.**
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Power Electronics Applications In Smart Grids And Electric Vehicles (PEASE - 2021)**" from 25th-29th June, 2021 at National Institute of Technology Andhra Pradesh.
- Participated in AICTE One Week Online STTP (Phase-3) on "**Electric Vehicles: A Green Approach for Sustainable Development of Transportation in India**" from 14th -19th December, 2020 Organized by Department of Electrical & Electronics Engineering, Vasireddy Venkatadri Institute of Technology, Nambur.
- Participated and Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "**Energy Engineering**" from 17th-21st September, 2020 at Velammal Engineering College.
- "**Design and Analysis of Series Loaded Resonant Converter fed by Standalone/PhotoVoltaic (PV) Source**" during 2nd International Virtual Conference on Advances in Electrical Drives, Process Control and Automation on 09th June 2020 at Vellore Institute of Technology, Vellore. Jointly organized by VIT Vellore, India; University West, Sweden; and Aalborg University, Denmark.
- "**Maximum Power Point Tracking Of Photovoltaic Modules Using Golden Section Search''** methodduring International Conference on Modern Technologies in Engineering and Science, on 3rd June 2017 held at Andhra Pradesh, INDIA.

PAPER PUBLICATIONS

- S. V. Vaidyanadhan, G. Guru Sumanth, S. Peddapati and S. Naresh, "**Inductor Switched Series Loaded Resonant Converter for LED Applications**," IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society, 2021, pp. 1-6, doi: 10.1109/IECON48115.2021.9589310**, (published in IEEE Digital Xplore)**
- "**Design and Analysis of Series Loaded Resonant Converter fed by Standalone/PV Source**" is published in IOP Conference Series Material science and Engineering,https://iopscience.iop.org/journal/1757-899X.
- '**Maximum Power Point Tracking Of PV Module Using Golden Section Search Method**' in International Journal Of Engineering Sciences & Researchand Technology (IJET),July 2017.
- "**Research Work On Conservation of Environmental Waste ToEnergy**" in International Journal Of Engineering Sciences & Researchand Technology (IJESRT), October 2016.
- "**Comparative Analysis Of Improved Quality Three Phase AC/DC Converters Based On Flyback And Cuk Topologies**, International Journal in Engineering, Research and Technology (IJERT),ISSN:2278-0181,Volume2 ,Issue 1 January 2013.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

(i) Art and Culture:

- Completed Certificate Course in Music with Distinction from Potti Sreeramulu Telugu University, Hyderabad.
- Diploma in Music with Distinction from Andhra University, Visakhapatnam.

***Marks of Merit*:**

- All India Radio, Visakhapatnam conferred **'B-High'** grade in **Carnatic Music - Vocal**.
- Recognized as a Trainer in 'Kala Parichayam' organized by Dept. Of Culture, Govt. Of Andhra Pradesh.
- Received junior scholarship from CCRT, New Delhi from 1997 to 2005.
- Recognized as Vocal Artist in 'Kala Neerajanam' organized by Tirumala Tirupathi Devastaanam (TTD), Tirupati and Simhachalam Devastanam, Visakhapatnam.
- Won number of prizes in the competitions conducted by many organisations within the state and outside, including Inter – University level.

***Awards*:**

- Received 'Ugadi Puraskaram' from Visakha Cultural Academy.
- Best Concert Award in the Mini Music Festival of Visakha Music Academy.
- Smt. Kurella Sita Mahalakshmi Memorial Award from SITA Music and Dance Academy Trust.
- Sri P.Sitarama Sastry and Smt. Dr. Chavali Lakshmi Kantham Memorial Awards from Sangeetha Kala Samiti.

(ii) National Cadet Corps (NCC):

- Represented as a **cadet** of **NCC Directorate, Andhra Pradesh** at the **Annual NCC Republic Day Camp and the Prime Minister's Rally** held at **New Delhi, in the year 2003.**

- **Passed 'C' and 'B' Certificate Examinations under the authority of Ministry of Defence, Government of INDIA**

Address for Correspondance:

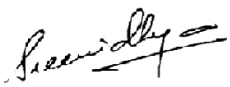
1. **Permanaent Address:**

   Vaidynadhan Sree Vidhya,
   D/O N.R.Vaidyanadhan,
   Door no. 228/5, 'A' Block, Byraveswarayya Nagar,
   Behind Belagola Govt. School,
   Belaagola 2nd Stage,Belagola Village,
   Srirangapatna Taluk,Mandya District,
   Karnataka-571606.

2. **Present Address:**

   V.Sree Vidhya,
   Flat No. 101, Siri Nivas Apartment,
   Opposite Astalaxmi temple,
   Ganesh Nagar Road,
   Kommadi,
   Visakhapatnam-530048**.**

Place: Visakhapatnam.



Signature