

SEERAPU VARALAKSHMI

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Objective

To pursue a challenging career, where I can apply Knowledge, acquire new skills and work closely with a team of experienced professionals.

Profile Snapshot

- Exposure to different types of electrical drives in vizag steel.

Competencies

- Easily adaptable to newer tools and technologies.
- Able to collect data & analyze complex problems to arrive at the appropriate solution.
- Strong decision making/problem solving abilities.
- Strong oral & written communication skills.
- Uses interpersonal skills to manage difficult situations.
- Looks for ways to improve quality.
- Have experience in working independently as well as within team.

Professional & Scholastic Qualifications

- **M.Tech (Advanced Power Systems)** from **UNIVERSITY COLLEGE OF ENGINEERING,JNTU KAKINADA** and secured **72%** in **2017**.
- **B.Tech (ELECTRICAL & ELECTRONICS ENGG.)** from **GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (AUTONOMOUS)** and secured **84.51%** in **2013**.
- **DIPLOMA (ELECTRICAL & ELECTRONICS ENGG.)** from **Govt. Polytechnic, Visakhapatnam** and secured **82.09%** in **2010**.
- **SSC** from **Board of Secondary Education, A.P** with **82.67%** in **2007**.

Project at Diploma

- Developed a “SEVEN SEGMENT DISPLAY POWER ELECTRONICS TRAINER KIT”.

Project at B.Tech

- Mini Project on “SPEED CONTROL OF DC MOTOR USING THYRISTOR CONVERTER CONTROL DRIVE” in WRM Dept.
- Main project on “MINIMIZING PENALTY IN INDUSTRIAL POWER CONSUMPTION BY ENGAGING APFC UNIT”.

Project at M.Tech

- Main project on “ANALYSIS OF DISTRIBUTION SYSTEM USING SIMULINK”.

Software Skills

- Languages : C
- Operating System : Windows
- Others : Keil Software
- IT skills : MS Office

Experience Details

- Currently, working as an Assistant Professor in **Dr.Lankapalli Bullayya College of Engineering, Visakhapatnam** since 2019 to till date.
- Worked as an Assistant Professor in Raghu Engineering College, Visakhapatnam for 1 year.
- Worked as an Assistant Professor in Baba Institute of Technology and Sciences, Visakhapatnam for 1 year.

Workshops and FDPs Attended

1. Participated in one week Teachers Training Programme on “APPLICATION OF EMBEDDED SYSTEMS TO INTERNET OF THINGS” during 16th-21st April,2018.

2. Attended for the Webinar on **“Research Publications, Process, Credentials and Outcomes”** during **09th May,2020**.
3. Attended One Week Online **AICTE MARGDARSHAN FDP** on **“Art of Writing Papers and Research Methodologies** during **07th – 13th May 2020**.
4. Completed a Five Day National Level Online FDP on **“Cutting-Edge Technologies for Electrical Engineering”** during **18th – 22nd May,2020**.
5. Attended a One Week Online Faculty Development Programme and training on **“SCILAB An Open Source Substitute for MATLAB”** during **25th–30thMay,2020**.
6. Attended **“Knowledge sharing on A to Z of journal publications”** organised by **IFERP** on **30th May,2020**.
7. Online FDP on **“Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles”** during **01st– 05th June,2020**.
8. Attended a Five day online Faculty Development Program on **“EXPLORE ELECTRICAL ENGINEERING IN INDUSTRIAL APPLICATIONS”** during **15th -19th June,2020**.
9. Attended a Five day **Online Elementary FDP on CAPACITY BUILDING** during **13th-17th September, 2021**.
10. Attended a One week National Level Online Faculty Development Program on **“Recent Trends and Challenges in Power Market with Smart Grid Technology (P-III)”** during **20th-25th September, 2021**.
11. Attended a Five day **Online Elementary FDP on COMMUNITY SERVICE IMPORTANCE** during **25th-29th October, 2021**.
12. Attended **A 40 Hour Online Faculty Development Programme on Cybersecurity Challenges, Detection and Mitigation Techniques for the Smart Grid** from **25th July to 03rd August,2022**.
13. Attended **A National Level Training Program(7 days) on "LabVIEW Real-Time Applications"** from **18th – 24th January,2023**.
14. Attended a **one week Faculty Development Program at GMRIT and VRSEC on Artificial Intelligence Applications to Electric Vehicles** from **04th - 09th March, 2024**.
15. Attended a **one week Faculty Development Program at CVR College of Engineering AI & ML Applications to EVs and Electrical Engineering** during **11th – 16th March, 2024**.

16. Attended a **One Week Online Faculty Development Program on “Resilient Integrated Systems with Energy Produced by Optimized Widespread Energy Renewables (RISE-POWER (2024))”**, conducted from **22nd – 26th July, 2024** at **National Institute of Technology Patna**.

Achievements

1. Completed NPTEL Course on Control Systems
2. Completed NPTEL Course on Electrical Machines
3. Completed NITTT Module 1_ Orientation Towards Technical Education and Curriculum Aspects
4. Completed NITTT Module 2_ Professional Ethics & Sustainability
5. Completed NITTT Module 3_ Communication Skills, Modes & Knowledge Dissemination
6. Completed NITTT Module 4_ Instructional Planning and Delivery

Co-Curricular Activities

- Actively participated in organizing the **“International Conference on Mathematical Sciences in Engineering Applications ICMSEA-2017”** at **Baba Institute of Technology and Sciences, Visakhapatnam** during **22-24th December, 2017**.

Paper Publication

- Published a Paper on **“Development of a Photovoltaic array in Simulink and its Performance Verification”** in IJESM journal on **December 2017**.
- Published a Paper on **“SPWM Fed Induction Motor Drive Performance Using SIMULINK”** in matjournal in the month **May-August, 2021**.
- Published a Paper on **“Smart Grid Technologies: A Comprehensive Review and Future Prospects”** in NCDT 2023, 1st National Conference on Design Thinking: Trans-Disciplinary Challenges & Opportunities, 7-8 July 2023.

Projects Guided

- Guided a B.Tech Project on **“Power Quality Improvement using SVC”** in the year **2018**.

- Guided a B.Tech Project on **“Three Phase Reactive Power Compensation using STATCOM” in the year 2021.**
- Guided a B.Tech Project on **“Implementation of Solar System to Home” in the year 2022.**
- Guided a B.Tech Project on **“Integrated Cybernation Appliance Control” . in the year 2023.**
- Guided a B.Tech Project on **“Secure Drive Alert System” . in the year 2024.**
- Guided a B.Tech Project on **“Drive-A-Way Guardian” . in the year 2024.**

Personal Details

Father Name : S KUNCHI BABU.
Occupation : Tailor.
Date of Birth : 17 September,1991.
Marital status : Unmarried.
Languages known : English, Hindi, Telugu.

I hereby declare that the above details are furnished to the best of my knowledge.

S VARA LAKSHMI