

**SUFIA KHANAM**

Department: ELECTRICAL AND ELECTRONICS

College: SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

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**RESIDENTIAL ADDRESS:**

# 5/83-4-A-1, Valivarthipadu Road, Gudivada-521301

**ACADEMIC QUALIFICATIONS:** M.E (Power and Energy Systems)

**ACADEMIC REWARDS / ACHIEVEMENTS:**

- Earned the **NPTEL Discipline Star** and received a **Certificate of Appreciation** for the July–December 2022 session.
- Received **Letter of Appreciation** from Deputy Educational Officer, Gudivada for being a Judge for 27<sup>th</sup> NCSC Competitions 2019.
- Received **GOLD MEDAL** for being UNIVERSITY TOPPER in M.E in 2015.
- Received **GOLD MEDAL** for being COLLEGE TOPPER in B. Tech in 2011.
- Won **FIRST PRIZE** in “Technical Quiz” in ESCON department association in 2008-2009 and again in 2009-2010.
- Won **FIRST PRIZE** in “Trouble Shooting” in ESCON department association in 2009-2010.
- Won **SECOND PRIZE** in “Dum Charades” in ESCON department association in 2009-2010.
- Bagged **COLLEGE FIRST** in Intermediate in the year 2007.
- Bagged **SCHOOL SECOND** in SSC in 2005.

**PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Asst.Professor	SR Gudlavalleru Engineering College	07-12-15 to Till Date

**PROJECTS GUIDED:**

<b>PhD</b>	<b>Post Graduation</b>	<b>Under Graduation</b>
Nil	01	09

**RESEARCH PAPERS / BOOKS:**

## **PAPERS PUBLISHED IN JOURNALS:**

- Published a paper entitled **“Three Phase Four Switch Active Filter For Power Quality Improvement”** in International Journal of Scientific Engineering and Technology Research (IJSETR) during July 2017.
- Published a paper entitled **“Design and Implementation of PMU Based Two Area System for Enhanced Power System Stability”** in International Journal of Engineering Research and Applications” (IJERA) during June 2023.

## **PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:**

- Presented a paper entitled **“A Novel Approach for Designing A Subsynchronous Damping Controller”** in International Conference on Communication and Power Engineering (ICCPE) during march 2019.

## **LIST OF WORKSHOPS /CONFERENCES /SEMINARS/WEBINARS ATTENDED:**

- Attended One week Faculty Development Program on “Emerging Trends in Research Areas of Electrical Engineering” organized in EEE Department, Gudlavalleru Engineering College in December 2015.
- Attended one day seminar on “Renewable Energy Resources for Sustainable Development” organized in EEE Department, Gudlavalleru Engineering College in February 2016.
- Participated in a workshop on “Power Simulation Tool Software Training and its Applications” conducted by PRDC, Bangalore in association with Zonta Academy & Consultancy Services, Hyderabad and GEC in July 2016.
- Attended the two-day Faculty Training Programme on “MATLAB tools for engineers-Hands on experience in Gudlavalleru Engineering College in January 2017.
- Participated in a one-week refresher course on “Basic Electrical Engineering” in June 2017.
- Participated in a two-week ISTE STTP workshop on “Electric Power System” organized by IIT Kharagpur in June-July 2017.
- Attended one week Faculty Development Program on “Application of Artificial Intelligence and Soft Computing Techniques to Electrical Engineering” organized in EEE Department, Gudlavalleru Engineering College in November 2018.
- Attended an ICT mode short term one week training Programme on Evaluating Student’s Performance & Designing Question Papers organized by NITTTR Kolkata in February 2019.
- Attended and won first prize in a three-day National Level Workshop on “Innovations and Design Thinking (WIDTH 2019)” organized by Institution of Innovation Council, University College of Engineering Kakinada, JNTUK, in March 2019.
- Attended a one-week Faculty Development Program on “Applied Research on Renewable Energy Sources and Microgrids” in Gudlavalleru Engineering College in November 2019.
- Participated in a webinar on “Virtual IEEE Faculty Conclave for Non-IEEE Faculty members” organized by IEEE Bangalore Section in April 2020.
- Attended a webinar on Impact of Electric Vehicles in the post COVID World organized by IEEE India Council ICNL & ECIM team in May 2020.
- Attended a webinar on “Impact of COVID in Engineering Education & Way forward” organized by ISTE chapter, Gudlavalleru Engineering College in June 2020.
- Attended online one week FDP on “Applied Research in Electric Vehicle Technologies” organized by EEE Department in Gudlavalleru Engineering college in June 2020.
- Attended a National Level one-week online FDP on “Electric Power Grid Modernization Trends, Challenges and Opportunities” organized by KITS, Guntur in June 2020.

- Attended a two-day FDP on “MATLAB and Simulink in Engineering Education” organized by APSSDC in June 2020.
- Participated in one week online FDP on “Emerging Trends and Challenges in Electrical Engineering” organized by Vaageswari College of Engineering, Karimnagar in June 2020.
- Participated in one-week online AICTE sponsored STTP on “Automation and Intelligent Control of Electrical Systems-Phase I” organized by EEE Department in Gudlavalleru Engineering College in August 2020.
- Participated in one week refresher programme on “E-Mobility and Battery Charging” in December 2021 organized by Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam.
- Participated in one week Faculty Development Programme on “Intelligent Control Techniques for Electrical Systems” organized by EEE Department in Seshadri Rao Gudlavalleru Engineering College in February 2022.
- Participated in one week Faculty Development Programme on “Modelling and Simulation of Electrical Systems” organized by EEE Department in Seshadri Rao Gudlavalleru Engineering College in March 2022.
- Participated in one day Faculty Development Programme on “Intellectual Property Rights” organized by Seshadri Rao Gudlavalleru Engineering College in March 2022.
- Participated in one day Faculty Development Programme on “Insights of NEP 2020 and strategies for its implementation” organized by Seshadri Rao Gudlavalleru Engineering College in June 2022.
- Participated in two-day Faculty Development Programme on “Machine Learning: Concepts and Applications” organized by R&D Cell, Seshadri Rao Gudlavalleru Engineering College in July 2022.
- Participated in one week Faculty Development Programme on “Advances in Optimization and Control of Electrical Engineering Systems” organized by Electronics & ICT Academy, NIT Warangal, in association with Seshadri Rao Gudlavalleru Engineering College in July 2022.
- Participated in one week Faculty Development Programme on “Advances in Renewable Energy and Electric Vehicles” in Seshadri Rao Gudlavalleru Engineering College in February 2023.
- Participated in one week Faculty Development Programme on “Intelligent Control of Electrical Systems using Machine Learning” in Seshadri Rao Gudlavalleru Engineering College in October 2023.
- Participated in one week Faculty Development Programme on “PLC HMI (Human –Machine Interface) Design and Integration” organized by EEE Department, Seshadri Rao Gudlavalleru Engineering College in July 2024.
- Participated in 10 hours International Faculty Development Program on “Machine Learning and Artificial Intelligence” organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune, Sri Venkateswara degree College, Kadapa, SJB Institute of Technology, Bangalore and Sri Indu PG College, Hyderabad in collaboration with Excel Edtech Pvt. Ltd in August 2024.

#### **CERTIFICATIONS:**

- Secured **Elite+ Silver** in the NPTEL Online Certification course on "Smart Grid: Basics to Advanced Technologies" and ranked in the **top 5%**.
- Secured **Elite+ Silver** in NPTEL Online Certification course on Electrical Machines-I
- Secured **Elite+ Silver** in NPTEL Online Certification course on Electrical Machines-II.
- Secured **Elite+ Gold** in NPTEL Online Certification course on Fundamentals of Electrical Engineering.
- Secured **Elite** in NPTEL Online Certification course on Power System Engineering
- Secured **Elite** in NPTEL Online Certification course on Digital Circuits.
- Trained in Technologic, Bangalore on ADAC (Advanced Diploma in Industrial Automation and Control) certified course on **PLC** and **SCADA**.

- Secured **Elite+ Gold** in NPTEL Online Certification course on Fundamentals of Electrical Engineering.
- Secured **Elite** in NPTEL Online Certification course on Power System Engineering.

**INDUSTRIAL TRAINING:**

Undergone Industrial Training in KPCL (Karnataka Power Corporation Limited), Bangalore, for the period of three months on SOLAR POWER GRID SYSTEMS.

**GUEST LECTURES DELIVERED: Nil MEMBERSHIP IN**

**PROFESSIONAL BODIES: Nil CONSULTANCY**

**ACTIVITIES: Nil**

**GRANTS FETCHED: Nil**