Dr. Sudheer Vinnakoti

Associate Professor

Department

Electrical & Electronics Engineering

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Academic Background

Ph.D. (E.E.E) – Jawaharlal Nehru Technological University Kakinada

M.Tech (Power & Industrial Drives) – Narasaraopet Engineering College

B. Tech (Mechanical Engineering) – Sri Sarathi Institute of Engg. & Technology.

Dr. Sudheer Vinnakoti has **12 years of teaching and research experience** in the field of **Electrical Engineering**. He has taken subjects related to Electrical Engineering and has been proficient in teaching subjects like **Electrical Circuit Analysis, Control systems and Power Electronic Converters & Drives.**

He was **granted a patent** for the research article entitled "**Optimal Design of Modular DC-DC Converter Combined with Series Resonance Converters for Energy Integration**," 29th Nov, 2020 - **IP Australian: 2020103761.**

He has **published 19 research articles** in reputed journals/conferences which are indexed in **Scopus and Science Citation Indexing**.

He has published 4 book chapters in the field of Power Electronics.

He is a member of various professional groups like **IEEE, MIET, AMIE (India), ISTE and MIAENG.**

Research Interests:

Power Electronics and Drives, Power Electronic Applications in Power Systems, Power Quality Enhancement, Machine Learning.

Achievements:

A. Acted as a Resource person:

(i) **"MATLAB/SIMULINK Applications to Electrical Engineers"** in connection with **ENCURSO 2k15**, a National Level Technical Symposium organized by the Department of E.E.E, UCEK (A), JNTUK during 28th February to 1st March, 2015.

(ii) **"MATLAB Workshop"** on 24th–25th Feb, 2018 in connection with National Level Technical Symposium, organized by the Department of Electrical and Electronics Engineering, UCEK (A), JNTUK, Kakinada.

B. Electrical India Magazine

(i) "Transformer Oil-The Nervous system of transformer", Aug 2012.

(ii) "Transformer Maintenance practices for life extension", Dec, 2012.

(iii) "Nuclear power-Time to say yes for energy security", Dec, 2012.

(iv) "Focus on alternative energy sources", December 4, 2019.

(v) "Achieving Goal of Energy Efficiency", February 7, 2020.

C. Coursera Certification Courses

(i) Completed "**Introduction to Machine Learning**" authorized by **Duke University**.

(ii) Completed "**Machine Learning for All**" authorized by **University of London**.

(iii) Completed "**Programming for Everybody"** authorized by **University of Michigan.**

(iv) Completed "**Machine Learning Foundations: A Case Study Approach**" authorized by **University of Washington.**