

C.SOMASANKARAPPA
PERSONAL INFORMATION



Designation: Assistant Professor

Qualification: M.Tech

Experience: 09 Years

Specialization: Power Electronics

Date of Joining: 08.03.2021

Phone Numbers: 9885328092

Emai-Id: csomasankarappa@cmrcet.org

Certification Courses:

- ❖ Certification course in **Electrical Design Engineering** at **Smart Brains Institute of Engineering Design and Research**, Hyderabad, in the month **JULY 2015**, India.
- ❖ Certification course in **Electrical Designing & Drafting** at **Dhanush Engineering Services India Pvt. Ltd**, Hyderabad, in the month **SEPT.2016**, India.
 - Preparation of Single Line Diagrams (SLD's), Load List.
 - Transformer Sizing Calculations.
 - Generator Sizing Calculations, UPS Sizing Calculations.
 - Battery and Battery Charger Sizing Calculations.
 - Cable Sizing.
 - Lighting Calculations Using CGLUX and DIALUX (Indoor & Outdoor).
 - Exposure to System studies e.g. - Load Flow, Short Circuit, Motor Starting on ETAP.
 - Earthing Calculations.
 - Power Factor Correction Equipment Sizing.
 - Knowledge of Hazardous Area Classification.
 - Understanding of Various Phases of Projects.

Achievements/Publications/Workshops/Seminar/Guest Lectures:

Achievements:

- Participated in **SIX DAYS Faculty Development Programme (FDP) on “ DIGITAL DESIGN THROUGH VERILOG HDL”** Organised by **Dept.of ECE, JNTUH** held at **SVR ENGINEERING COLLEGE,NANDYAL, JNTU ANANTAPURAM** on **14TH TO 19TH JUNE.2021**, Hyderabad.
- Participated in **“INDUSTRIAL INTERACTION MEET”-APCPDCL on JAN.2013** Organised by **EEE TECHNICAL ASSOCIATION** in **Dept. of EEE** held at **Holy Mary Institute of Technology and Science, Hyderabad.**
- Participated in **Two days Faculty Development Programme(FDP) on “ EFFECTIVE MENTORING ”**Organised by **Dept.of EEE** with Under Equity Action Plan, **TEQUIP-III, JNTUH** held at **Pallavi Engineering College** on **AUG.2019**, Hyderabad.
- Participated in **Six days PDP/Faculty Development Programme (FDP) on “Microgrids & Battery Energy Storage Systems”** Organised by **Dept.of EEE** in Association with **IEEE-PES/IAS/PELS** held at **Geethanjali College of Engineering and Technology** on **MAY2018**, Hyderabad.
- Participated in **Five days Faculty Development Programme on “IMPACT OF CUSTOM POWER DEVICES IN POWER SYSTEMS”**Organised by **Dept.of EEE** held at **Malla Reddy Institute of Engineering and Tecchnology** on **JUNE.2018**at **Holy Mary Institute of Technology and Science, Hyderabad.**

Paper Publications:

- Published One Journal on **“Dropping Commutation Torque Ripple & Fuzzy logic control for Brushless DC Motor Based on SEPIC Converter ”**at **Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, Volume 5, Issue 4, April. 2018.**
- Published One Journal on **“ CLOSED LOOP CONTROLLER BRUSHLESS PERMANENT MAGNET MOTOR WITH FUZZY CONTROLLER ”**at **Journal of Emerging Technologies and Innovative Research (JETIR),ISSN-2349-5162, Volume 5, Issue 4, April. 2018.**
- Published One Journal on **“ PV FACILITATING CAPACITY DEPENDENCE ON HARMONIC VOLTAGE DISTORTION IN LOW-VOLTAGE GRIDS ”**at **International Journal of Management, Technology And Engineering (IJMTE),ISSN NO : 2249-7455, Volume 8, Issue XI, NOVEMBER.2018.**

- Published One Journal on “**A modern technique for depreciation of ripple current using power electronic devices in renewable energy sources**”at International Journal of Engineering And Science (**IJES**), Issn (e): 2278-4721, Vol.04, Issue 12,Dec. 2014.
- Published One Journal on “**A Simple Space Vector Modulation Algorithm for Multi Level Three Phase Inverter Feed Induction Motor**”at International Refereed Journal of Engineering and Science (**IRJES**), ISSN-2319-1821, Volume-3, Issue-5, May.2014.
- Published One Journal on “**Enhancement of Power Quality by Controlling the Current Source Converter Based UPQC**” at International Journal of Scientific Engineering and Technology Research (IJSETR) ISSN: 2319-8885, Volume-3, Issue-3, March 2014.
- Published One Journal on “**PMSG Based Offshore Wind Farm Grid Integration by VSC-HVDC with LCC-HVDC Transmission and improvement in Dynamic Stability using STATCOM**”at International Journal of Scientific Engineering and Technology Research (IJSETR), March 2014.
- Published One Journal on “**A Single-Stage Full-Bridge Series-Resonant Buck-Boost Inverter (Full-Bridge Topology)**” at International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREICE) ISSN: 2277-5668, Volume-1, Issue-6, Sept.-2013.
- Published One Journal on “**A Novel Method on Fault Ride-Through of a DFIG Wind Turbine using a Dynamic Voltage Restorer During Symmetrical and Asymmetrical Grid Faults**” at International Journal of Engineering Innovation & Research (IJEIR) ISSN: 2277-5668, Volume-1, Issue-5, Sept.-2012.

WORKSHOPS:

- Participated in **Two days Faculty Development Programme(FDP) on “A TWO DAY WORKSHOP ON ELECTRICAL SIMULATION USING PSPICE & MATLAB”** Organised by **Dept.of EEE, JNTUH** held at **HOLY MARY INSTITUTE OF ENGINEERING AND TECHNOLOGY, BOGARAM, JNTU HYDERABAD** on 22nd and 23rd **AUG.2016**, Hyderabad.
- Participated in **Two days work shop on “Electrical Simulation using PSPICE and MATLAB”** held on **AUG.2016** at Holy Mary Institute of Technology and Science, Hyderabad.
- Participated in **One day work shop on“ENTREPRENEURSHIP DEVELOPMENT” ON FEB.2013** at NSIC-TECHNICAL SERVICES CENTRE, Hyderabad.