Mrs.V.Swarupa

B.E, M.E (Power systems), (Ph.D)

Associate Professor

Electrical & Electronics Engineering

Official Email:vadulapuramswarupa@tkrcet.com

Areas of Interest:

- Power systems Micro Grids , Smart Grids& DG,s
- Controllers in Power systems

Educational and Professional qualification

- **Academic qualification**
  - Pursuing Ph.D in Electrical Engineering, UCE, OU, Hyderabad from March 2017- as off.
  - M.E in Power Systems, UCE, OU, Hyderabad with I class (2005-2007)
  - B.E in Electrical and Electronics Engineering , UCE, OU, Hyderabad with I class (1998-2002)
- **Professional Experience**
  - Working as an Associate Professor in the Department of EEE, TKRCET since June -2011.
  - Worked as an Associate Professor in the Department of EEE, Sree Dattha Institute of Engineering and Sciences from Oct2002 – June 2011.
- **Workshops Attended /Short term Courses/Conferences:**

1. One Week Faculty Development Programe on **"Introduction To Smart Grid"**, NPTEL-AICTE, September 2019.
2. Two Day Faculty Development Programe on "**Contemporary Power Systems & Power Electronics Application : An Orientation (CPPA)**", Matrusri Engineering College , Affiliated to Osmania University 10^{th}-11^{th} October 2018.

3. Short term course on "**Engineering Research Methodology** "UCE, OU, Hyderabad, from 11-14, December-2017.
4. One week short term course on "**High Voltage Gain Soft-Switching Advanced Current-fed Technologies for Micro grid and Electric Transportation" MHRD Govt India under the scheme of GAIN from 18-Dec to 23 Dec-2017.**
5. Participated in a One day workshop on "**POWER RELIABILITY''** on 19th September -2014 by Asia Institute of power Management at Hyderabad .
6. Participated in the 2nd International Conference on "**Recent Advances in design, development and Operation of Micro Air Vehicles"** (ICRAMAV-2013 Held during 21-23 Nov-2013. at JNTUH,Hyd.)
7. Participated in a refresher course on **"MODERN TRENDS IN POWER ELECTRONICS''** at Teegala Krishna Reddy Engineering College
8. Two-day workshop on "**Software Tools For Electrical Engineering Applications"**, TKRCET , Affiliated to JNTU Hyderabad , 28th -29th Dec 2012 .
9. Two-day workshop on "**Role Of Power Electronics Technologies For Industrial Development",** TKREC , Affiliated to JNTU Hyderabad, 25th - 26th Feb 2011.
10. Participated in a two Day workshop on **"ROLE OF POWER ELECTRONIC TECHNOLOGIES FOR INDUSTRIAL DEVELOPMENT''** on 25.02.2011&26.02.2011 at TKR College of Engineering and Technology

NPTEL coursework:

1. Completed a 8-week course work on **"Introduction to Smart Grids"** from June to Dec, 2019

List of paper publishing's:

1 V.Swarupa "POWER QUALITY IMPROVEMENT IN DTC BASED INDUCTION MOTOR DRIVE USING MULTILEVEL STATCOM'' IJAREEIE, Vol. 2, Issue 7, July 2013.

2 V.Swarupa "ANALYSIS FOR DIFFERENT LEVELS OF CASCADE MULTILEVEL STATCOM FOR DTC INDUCTION MOTOR DRIVE'' IJARET Volume 1 Issue VI July 2013.

3 V.Swarupa "EXTENDEDPHASE SHIFT CONTROL OF ISOLATED BIDIRECTIONAL DC-DC CONVERTER FOR RENEWABLE ENERGY SOURCES CONNECTED TO MICRO GRID" IJAREEIE, Vol. 2, Issue 8, August 2013.

4 V.Swarupa "GENERALIZED UPQC SYSTEM WITH AN IMPROVED CONTROL METHOD USING PV ARRAY FOR REDUCTION OF HARMONICS" Vol. 2, Issue 8, August 2013.

5 V.Swarupa "A PI AND FUZZY CONTROLLED TWO-PHASE INTERLEAVED PFC BOOST CONVERTER" Vol. 4, Issue 4, 2014.

6 V.Swarupa "Modular converter Stability and Voltage Balance Control", IJCSME, Vol-2/Issue-5 2015.

7 V.Swarupa "NPC Based 5 Level Two-Stage Energy Storage Solar Photovoltaic-Based Stand-Alone Scheme for Rural Deployment", IJR, Vol-3/Issue-13 2016.

8 V.Swarupa "Transient Performance Improvement using Fuzzy Logic Controller with SFCL", IJSETR, Vol.06/ Issue 0.06,Sept-2017

9 V.Swarupa "Wind Energy Based Adaptive PI Controlled STATCOM for Voltage Regulation", IJATIR, Vol.08/ Issue.15, 10/01/2016.

10 V.Swarupa "Fuzzy Adaptive Control Strategy for LVRT Operation of PVA Interconnected to Grid System"IJEECS