

S V COLLEGE OF ENGINEERING

S V ENGINEERING COLLEGE FOR WOMEN

Karakambadi Road, Tirupati A.P-517507

Research & Development Cell

A FACULTY DEVELOPMENT PROGRAM ON

“MATLAB APPLICATION TO ELECTRICAL ENGG”

13th DEC, 2017

About the Workshop

The main objective of this FDP is to train the participants with well known research tool MATLAB, which stands for MATrix LABoratory. This is a state of the art mathematical software Package, which is used extensively in both academic and industry. The objective of this workshop is to expose and acquaint the participants with basics of MATLAB and its applications for Electrical Engineering Research, especially in Power system and its related areas.

Course Contents:

- Applications of MATLAB for Engg problems & algorithms
- Demonstration of various Applications on MATLAB
- Fuzzy logic application in Power systems with MATLAB
- Optimization algorithms with MATLAB
- Power systems applications with MATLAB
- Power Electronics & Drives applications with MATLAB
- Power Quality -application with MATLAB
- Demo & Hands on sessions on the above topics

RESOURCE PERSON: Dr. N. K. MOHANTY, SVCE, SRIPERUMBUDUR (TN)



Dr NK Mohanty received his PhD from Anna University, Chennai with specialization in Power Electronics and Drives, January-2012, **M. Tech (PE) from** Visveswaraiah Technological University, Belgaum, Karnataka, June-2003. He has 16 years of **Teaching & Research Experience.**

His Specializations include:

Power Electronics and Drives: Converter, Inverters, DC-DC converter, AC & DC Drives and control

Power System: Power Quality improvement, FACTS, HVDC

Energy System: Renewable Energy System.

No of Publication: In International Journal: 16

Ph.D- Supervisor of Anna University Chennai, Presently guiding 9- Ph.D Scholars.

He has received 2 Research project grants from IE India.

Methodology: Presentations, Demo & Hands on sessions

Participants: Faculty & Research Scholars from EEE; Reg fee: Rs 100

Coordinators: Mr.K. Kamalpathi , AP/EEE, SVCE & Mr. Lenin Babu, AP/EEE, SVEW