

## ABOUT THE DEPARTMENT

The Department of Electrical Engineering offers an Undergraduate program in Electrical and Electronics Engineering, two Post-graduate programs in the specializations of Power Systems and Power Electronics & Drives and also offers Ph.D. program. The Department has well qualified, experienced faculty and good laboratory facilities with state-of-the-art equipment. The Department has very strong interaction with several reputed industries and R&D organizations. The Department has executed several consultancy and R&D projects.

### N.B.:

1. Brochure & Application form can also be downloaded from <http://www.nitw.ac.in> at workshop item.
2. List of participants selected for the workshop will be displayed in the institute website mentioned above on **31.10.2018**.

## ADDRESS FOR CORRESPONDANCE

**Dr. P. Suresh Babu**  
Coordinator-RSAMPSI  
Department of Electrical Engineering,  
National Institute of Technology, Warangal,  
WARANGAL-506 004. (T.S.)  
e-mail: drpsb79@gmail.com  
Mobile No: +91-8977123345 / +91-9441233804  
/ +91-833281882

## ABOUT THE INSTITUTE AND WARANGAL

National Institute of Technology Warangal (formerly known as Regional Engineering College, Warangal) is the first among 17 RECs setup as joint venture of the Government of India and State Government. Over the years the institute has established itself as a premier Institution imparting technical education of a very high standard leading to the B.Tech, M.Tech and Ph.D. degrees in various specializations. With a view to give further impetus to the technological education, the Central Govt. upgraded the RECs into NITs, and conferred the Deemed University status.

## Now NIT Warangal is celebrating Diamond Jubilee (1959-2019)

Warangal is known for its rich historical and cultural heritage (1000 pillars temple, Bhardrakali temple, Kakatiya Fort etc..) It is situated at a distance of 140 km from Hyderabad. Warangal is well connected by rail and road to various places in the country. NIT campus is 2.5 km away from Kazipet railway station and 15 km away from the Warangal railway station. *Participants are advised to alight either at Kazipet (preferably) or Warangal depending on their train of travel.*

## IMPORTANT INFORMATION

1. Application should be accompanied by the sponsorship certificate & registration fee.
2. Last date for submission of filled in application is **30.10.2018**.
3. Selected candidates will be informed on **31.10.2018**.

## On the Eve of DIAMOND JUBILEE Celebrations



### A Five Day Continuing Education Program

On

## Research, Simulation and Analysis of Modern Power System Issues

05<sup>th</sup> -09<sup>th</sup> November 2018

Under  
TEQIP-III

Coordinator  
**Dr.P.Suresh Babu**  
Assistant Professor

Co-coordinator  
**Dr.B.Nagu**  
Assistant Professor



Organized by  
Department of Electrical Engineering  
National Institute of Technology  
Warangal-506004, (T.S)  
INDIA

## INTRODUCTION

Need of electrical power is increasing day by day because of extensive utilization to render the needs resulting in increase of size of the power system. Problems associated with power systems has to be pre-estimated to provide appropriate equipment for proper transfer of power to desired locations. This can be possible only by simulating and analyzing power system under various operating conditions like steady state, transient and short circuit etc.,. Being technocrat it is necessary to have information regarding latest software and its advancements available for power system simulation. Following are some areas identified to have practical hands on experience in simulating power system conditions.

**This program mainly focuses on the benefit of the faculty who are continuing their Ph.D work and willing to register for Ph.D.**

## COURSE CONTENTS

This Program focuses on the following areas in Power System challenges and their simulation in research point of view

- Power System Protection
- Smart Grid Technologies
- State Estimation and Security Assessment
- Optimization Techniques Application
- Artificial Intelligence Techniques Application
- Protection Devices Coordination
- High Voltage & Ground grid Design
- Power System Restructuring
- Energy Market Strategies
- FACTS devices and their Applications
- Steady State & Dynamic Wind Turbine Model
- Micro Grids and Distributed Generation
- Power Quality
- Smart Metering Initiatives

## RESOURCE PERSONS

Reputed faculty from IITs, NITW, NITs and industry will form the core group for delivering lectures in this program.

## ELIGIBILITY

The program is for the Faculty of Engineering colleges, Research Scholars and Practicing Engineers working in the area of power system.

## REGISTRATION FEE PARTICULARS

Application in the prescribed format duly sponsored by the Head of the Institution along with the registration fee of **Rs.2000/- (for faculty & Research Scholars) and Rs.5000/- (for industry participants)** in the form of ONLINE payment to A/c no. **37583198741** (a/c name: **TEQIP-III Funds**), **IFSC code: SBIN0020149** (OR) a Demand Draft in favor of **“TEQIP-III Funds”** payable at State Bank of India, NIT Warangal branch should reach the coordinator **on or before 30 October 2018.**

**Fee paid includes Lodging and boarding for 5 days**

## SELECTION

The number of participants is limited to **40**. The selected participants will be informed on **31 October 2018.**

## ACCOMMODATION

Boarding & lodging (Non A/C) will be provided to all the participants at **FREE OF COST** at NIT Visitors block. No TA/DA is payable to the participants.

## APPLICATION FORM

**A Five Day Continuing Education Program**

*on*

**Research, Simulation and Analysis of  
Modern Power System Issues**

**05<sup>th</sup> -09<sup>th</sup> November 2018**

1. Name \_\_\_\_\_

2. Designation \_\_\_\_\_

3. Institution \_\_\_\_\_

4. Address for correspondence:

5. Educational Qualifications:

6. Experience (in years) :

Teaching / Industry \_\_\_\_\_

7 Accommodation required : Yes/No

8. Mobile No:

9. E-mail:

10.i) D.D./ Online Payment Particulars:

i) Amount:Rs.: \_\_\_\_\_

ii) DD /Transaction No. \_\_\_\_\_

iii) Bank: \_\_\_\_\_

iv)Date: \_\_\_\_\_

## Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and NIT Warangal and shall attend the course for the entire duration.

Place:

**Signature of the Applicant**

Date:

**Signature of Head of the Institution**

Seal