

## About the Programme

Power systems are interconnected, complex, non-linear systems spread over large geographical area. Faults are very common in power systems. The purpose of power system protection is to isolate the faulty section of electrical power system from rest of the live system while ensuring minimum disruption to the rest of the system. Penetration of large scale renewable generation in both distribution and transmission systems are posing significant challenges to the protection engineers. Hence, system protection is the art and science of detecting problems with power system components and isolating these components.

The objective of this short-term training program (STTP) is to discuss the recent topics in power system protection. Further, this STTP is to create awareness among the faculty on protection techniques of power systems which will help to impart and share the knowledge of research and development works between Academicians, Scientists, Industry Personnel, and Research Scholars.

## Topics Covered but not limited to:

- Protection Philosophies
- Basics of Protection Principles
- AI Techniques in Power System Protection
- Soft computing techniques in Power System Protection
- Wide Area Protection
- Micro-grid Control
- Implementation of typical digital protection schemes
- Relay Algorithms
- System Integrity Protection
- Hands-on Session
- Gas Insulated Substation
- Campus Energy Monitoring System

## Resource Persons

Resource persons are from IITs, NITs, Universities, Industry, Power sector and R & D organizations.

## Eligibility

The programme is intended for the faculty of AICTE approved Engineering Colleges, Research Scholars and Industry Persons.

## Important Dates

**Last date of application : 23/11/2019**  
**List of selected participant's intimation through mail : 27/11/2019**

## Registration and Fee Details

AICTE Approved institute Faculty : Rs. 500/-  
**(Refundable after completion of the programme)**  
Industry : Rs. 2,000/-  
PG & PhD Scholars : No Charge

Demand Draft for Rs. 500/- drawn in favor of "PRINCIPAL SR ENGINEERING COLLEGE" payable at Warangal on any Nationalized Bank, along with a stamped (Rs.5/-) self-addressed envelope. Early information on e-mail for registration will be appreciated.

TA will be provided to the outstation participants as per AICTE rules (on production of proofs). Lodging and Boarding will be provided for the outstation participants on first come first serve basis.

## Technical Advisory Committee

- 1) Prof. D. M. Vinod Kumar, NIT Warangal
- 2) Dr. Saikat Chakrabarti, IIT, Kanpur
- 3) Dr. Y. Pradeep Kumar, IIT Hyderabad
- 4) Dr. K. Raghuram, JNTU, Hyderabad
- 5) Dr. M. Sushama, JNTU, Hyderabad
- 6) Dr. E. Vidya Sagar, OU, Hyderabad
- 7) Dr. N. V. Srikanth, NIT Warangal
- 8) Mr. Harji Jathoth, NPTI, Warangal
- 9) Dr. P. Suresh Babu, NIT Warangal
- 10) Dr. M. Mohana Rao, BHEL, R&D
- 11) Dr. J. Praveen Kumar, GRIET, Hyderabad

## REGISTRATION FORM

### AICTE Sponsored One Week Short Term Training Programme on Recent Trends in Protection of Power Systems (RTPPS-2019)

**02/12/2019 to 07/12/2019**

DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS ENGINEERING  
S R ENGINEERING COLLEGE  
Ananthasagar, Warangal – 506 371

1. Name: \_\_\_\_\_
2. Designation: \_\_\_\_\_
3. Organization: \_\_\_\_\_
4. Address for correspondence with e-mail: \_\_\_\_\_  
\_\_\_\_\_
5. Telephone / Mobile No: \_\_\_\_\_
6. Teaching Experience: \_\_\_\_\_
7. Accommodation required: Yes/No
8. DD Particulars: Rs. \_\_\_\_\_, Dt. \_\_\_\_\_  
\_\_\_\_\_

### 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 shall attend the course for the entire duration.

Place:

Date:

Signature of the Applicant

Signature of the Head of the Institution with seal

## About the Institute

S R Engineering College (SREC), established in the year 2002, is sponsored by Sri Rajeshwara Educational Society which has four decades of rich experience in the field of Education. It is located on Warangal - Karimnagar highway at about 15 KM away from Warangal City. S R Group runs 3 Engineering Colleges, Junior Colleges and Schools spreading across Telangana and Andhra Pradesh.

S R Engineering College has been in the forefront imparting high quality technical education. State of the art infrastructure in all branches of engineering, dedicated and qualified staff, highly conducive environment for teaching-learning process are the hallmarks of this professionally managed institution.

SREC is an Autonomous Institution accredited by NAAC with 'A' Grade and all its UG Programmes are accredited by National Board of Accreditation (NBA) in Tier-1. The institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad (JNTUH).

## About the Department

The department offers UG & PG programs in Electrical and Electronics Engineering. The department has 10 Doctoral experienced faculty and trained with deep sense of commitment towards the students and the Institution. Faculty members with proficiency in various subjects motivate students to participate in research activities and skill development programs. The department has state-of-the-art laboratories with well-equipped software such as MATLAB, LAB View, PSPICE, B2SPCIE, MIPOWER, etc., for both UG and PG programs.

## Address for Correspondence

**Dr. KBVSR Subrahmanyam, Ph.D.,**  
Coordinator, STTP-(RTPPS-2019),  
Department of Electrical and Electronics Engineering,  
S R Engineering College,  
Warangal – 506 371, Telangana.  
Mobile: 9949746279  
E-mail : rtpps2019@gmail.com

### Patron

**Sri A. Varada Reddy**  
Chairman, S R Educational Society

### Chairman

**Dr. V. Mahesh**  
Principal, S R Engineering College

### Co-Chairman

**Dr. C.V. Guru Rao**  
Director, S R Engineering College

### Convener

**Dr. Ram Deshmukh**  
HoD, EEE Dept., S R Engineering College

### Co-ordinator

**Dr. KBVSR Subrahmanyam** Assoc. Prof., EEED

### Co-Coordinator(s)

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**Mr. D. Raja Babu** Assoc. Prof., EEED  
**Dr. B. Vedik** Asst. Prof., EEED

### Organizing Member(s)

**Dr. K. Ramsha** Asst. Prof., EEED  
**Dr. B. Rajender** Assoc. Prof., EEED  
**Dr. Chandan K. Shiva** Asst. Prof., EEED  
**Dr. Nidhi Verma** Asst. Prof., EEED  
**Dr. V. Venkataramana** Asst. Prof., EEED  
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**Mrs. B. Sathyavani** Asst. Prof., EEED  
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**Mr. M. Sai Kumar** Asst. Prof., EEED  
**Mr. A. Rajamalliah** Asst. Prof., EEED  
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**Mr. E. Thirupathi** Asst. Prof., EEED  
**Mr. R. Vidyasagar** Asst. Prof., EEED

## AICTE Sponsored



**One Week Short Term Training Programme (STTP)**

on

**Recent Trends in Protection of Power Systems (RTPPS-2019)**

**02/12/2019 to 07/12/2019**

### Co-ordinator

**Dr. KBVSR Subrahmanyam, Ph.D.,**  
Associate Professor, Dept. of EEE



### Organized by

**Dept. of Electrical and Electronics Engineering**  
**S R ENGINEERING COLLEGE**  
(Autonomous)

Ananthasagar, Warangal – 506 371

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