

**Two Day FDP on  
“Simulation and Analysis of Power  
System using MiPower”**

**7<sup>th</sup> & 8<sup>th</sup> SEPTEMBER 2017**

**Registration Form**

Name : .....

Designation : .....

Organization : .....

Qualification : .....

Address : .....

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Phone : .....

e-mail : .....

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Participant Category

Industry  Academy  Student

Registration Fee is paid in the form of Cash / DD

Amount .....

DD No:..... Date .....

Bank Name & Branch

.....

.....

Date: ..... Signature.....

Note:

\* DD should be drawn in favour of Sathyabama University, payable at Chennai.

**UNDER THE BLESSINGS OF  
Colonel Dr. JEPPIAAR, M.A., B.L., Ph.D.,  
Founder Chancellor**

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**ORGANISING COMMITTEE**

**Convenors**

**Dr.N.M.Nandhitha**, Dean, School of EEE,  
**Dr. V. Sivachidambaranathan**, Prof. & Head, EEE,

**Coordinators**

**Dr. R. Vanitha**, Assoc. Prof / EEE  
**Dr. S.D. Sundarsingh Jebaseelan**, Assoc. Prof / EEE  
**Dr. D. Godwin Immanuel**, Assoc. Prof / EEE

**TWO DAY**

**FACULTY DEVELOPMENT PROGRAMME**

**ON SIMULATION AND ANALYSIS OF**

**POWER SYSTEM USING**

**MiPOWER**

**on**

**7<sup>th</sup> & 8<sup>th</sup> SEPTEMBER 2017**



**ORGANIZED BY**

**DEPARTMENT OF EEE  
SCHOOL OF ELECTRICAL & ELECTRONICS  
ENGINEERING  
SATHYABAMA UNIVERSITY**

**In association with**

**Power Research & Development Consultants Pvt. Ltd**



## About the University

Sathyabama University established under section 3 of UGC Act, 1956 (A Christian Minority Institution) was formerly known as Sathyabama Engineering College established by SATHYABAMA EDUCATIONAL TRUST. It is a pioneer institute imparting quality education in the field of engineering, science & technology. The institution's progress and contribution in the field of technical education for over two decades made the Ministry of Human Resources Development, Government of India to grant Deemed University status on 16<sup>th</sup> July, 2001 and University status on 13<sup>th</sup> September, 2006. Sathyabama University is under the blessings of our Founder Chancellor **Colonel Dr. JEPPIAAR M.A., B.L., Ph.D** and dynamic leadership of our Chancellor **Tmt. Remibai Jeppiaar**. Our University strengthens its development activities to bring the fruits of research for the betterment of the society with the able support and valuable guidance of Pro Chancellor, Vice President, Vice-Chancellor, Pro Vice Chancellor, Deans, Registrar and Controller of Examination. To its credit, it has been accredited by MHRD ('A' Grade), National Assessment and Accreditation Council (NAAC) and certified by ISO 9001:2008 for professional quality management. The University has undertaken various sponsored and collaborative R&D projects funded by national organizations such as ISRO, DST, DBT, DRDO, BRNS, IGCAR...

## About the Department

The Department of Electrical & Electronics Engineering stands apart as one of the best departments of the University aimed at providing its students, the state of art facilities. Faculty are encouraged to take independent initiatives with collective responsibility in all the relevant academic and R & D dimensions like teaching, curriculum development, graduate research supervision and organizing conference, workshop, faculty development program, symposia, etc.

## About PRDC

Power Research and Development Consultants Pvt. Ltd. (PRDC) is a Bengaluru based pioneering global consulting house in the Power business for over two decades and is among the largest in its class. PRDC is specialized providing engineering consultancy services for power system analysis, power evacuation studies, network simulation and design, master plan preparation for T&D infrastructure, grid connectivity studies.

## About the course

### MiPower ~ Empowering Power System Engineers

MiPower is state of the art window base Power System Software. MiPower is highly interactive, user friendly software for all analysis, planning, design and simulation on any power system irrespective of the geographical and environmental constraints.

### Registration Fee

PG Students : ₹ 750  
Academicians / Research Scholars : ₹ 1000  
Industrial participants : ₹ 1500

### Chronicle

Last Date for Registration : 28<sup>th</sup> Aug, 2017

**As the number of seats is limited, the registration of the participants will be confirmed as first come first serve basis.**

### Address for Correspondence

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Mob : 9444447783 (After 5 PM)

## Objective

The objective of the program is to provide MiPower solution for various aspects of power system studies from steady state analysis to stability and security assessment, including reliability and protection.

## Topics/Tools covered

- \* Load Flow Analysis
- \* Steady State Analysis
- \* Stability Assessment
- \* Transient Studies
- \* Security Monitoring, Assessment & Control
- \* Protection Coordination
- \* Renewable Energy Sources

## Deliverables of Workshop

At the end of the program, the participants will be able to establish their own GUI diagram and database configuration for different Power System problem which help them to proceed with their research and development on Power System.

## Resource Person - PRDC Member

### Day – 1

S. No	Topic
1	Introduction to Power System tools
2	Load Flow Analysis
3	Short Circuit Studies
4	Voltage Instability Analysis

### Day – 2

S. No	Topic
1	Transient Stability
2	Relay Coordination
3	Renewable Energy Sources
4	Electro-magnetic Transient Analysis

**\*Topic includes both Demo & Hands On Training**