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President, JSS Mahavidyapeetha, Mysuru

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Prof. G.M Patil, Principal, JSSATE, Noida.

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Dr. Suresh Singh (HOD, EEE)
Dr. Jyoti Gautam (HOD, CSE)
Dr. Seema Shukla (HOD, IT)

Program Coordinator:

Dr. (Mrs.) Parveen Poon Terang, Assistant Professor
Department of Electrical Engineering, JSSATE, Noida
Ph No : 9911382632

Organizing Committee:

Mr. Rajesh Kumar, Assistant Professor, JSSATE, Noida.(9971066754)
Mr. Nirmla Kumar Agarwal, Assistant Professor, JSSATE, Noida. (9818620392)
Mr. Raj Kumar, Assistant Professor, JSSATE, Noida.(9811983872)
Mr. Prashant, Assistant Professor, JSSATE, Noida. (9716244868)

REGISTRATION DETAILS

Those willing to attend this Seminar should send filled registration form to ppterang.eed@jssaten.ac.in. Registration is free and will be on a first-come-first-served basis. Confirmation of registration will be informed by email. Accommodation and TA / DA will not be provided.

LAST DATE OF REGISTRATION

Till 24th March, 2018 (On the spot registration 8.30am-10.00am)



JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA



ONE DAY SEMINAR

On

Application of Soft Computing Techniques to Distributed Energy Resources in a Smart Grid

24th March 2018

Sponsored by

DR. APJ ABDUL KALAM TECHNICAL UNIVERSITY,
LUCKNOW

Organized by

ELECTRICAL ENGINEERING DEPARTMENT
(NBA Accredited)

JSS Academy of Technical Education (NOIDA)

C- 20/1, Sector-62, Noida

Ph: 0120-2400104, 2400115

Website- www.jssaten.ac.in



ABOUT THE COLLEGE

JSS Academy of Technical Education (Jagadguru Sri Shivarathreeshwara Academy of Technical Education) is an educational institute situated in Noida, Uttar Pradesh affiliated to Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU). The institute was inaugurated by former President of India Dr. A.P.J. Abdul Kalam in 1998. The institute is approved by AICTE, Government of India and is affiliated to AKTU. The institute is considered as one of the leading engineering institutes in Northern India. The institute has well equipped laboratories, library and hostel facility for girls and boys. The institute has a praxis oriented approach and successfully strikes a balance between curricular and extracurricular activities. The institute offers B.Tech. degree courses in different disciplines, namely, Computer Science, Information Technology, Electronics and Communication, Electrical, Electrical & Electronics, Instrumentation and Control, Mechanical and Civil engineering. JSSATE, Noida also offers M.Tech., MBA and MCA.

JSS Academy of Technical Education, has implemented Outcome Based Education (OBE) in the Academy and has created necessary manpower and infrastructure to implement Outcome Based Education from the year 2014-15. <http://jssaten.ac.in/>

ABOUT THE DEPARTMENT

The department of Electrical Engineering has been playing a vital role in producing technologists of highest caliber ever since it was established in the year 1999. The department has state of the art laboratories in the area of Electrical Engineering such as Electrical Machine, Basic Electrical, Simulation Lab, Control & Automation, Power systems & Power electronics etc.

In addition to the strong undergraduate programs, the department has been playing a pioneering role in interacting with the outer world institutions and industries to motivate the students to perform at global level. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate. The department has signed an MOU with Schneider Electric Infrastructure Limited for setting up and maintain the Power System Automation and Energy Management state of the art laboratory for fifteen years. This will enable the students, faculty and researchers to upgrade their skills as per the requirement of the industry. Also, they will get the opportunity to have placement in the core companies. The department has distinguished faculty, with some faculties holding Ph.D. degrees from renowned institutes in India and some are pursuing Ph.D. from renowned institutions. There is one faculty as Sr. Member of IEEE in the department and many other faculty members are members of several national and international professional bodies. The faculty of the department has been constantly carrying out research on many cutting-edge technologies and regularly publishes in IEEE, Internationally recognized journals and conferences of repute. <http://jssaten.ac.in/Academics/EE/>

ABOUT THE SEMINAR

With deregulation and an increasing demand in power, power systems have been operated in a stressed condition and are subject to higher risks of instability and uncertainties. System operators are responsible for secure system operations in order to supply electricity to consumers efficiently and reliably. Consequently, power system analysis tasks have become increasingly challenging and require more advanced techniques in the deregulated power market environment. Distributed generation (DG) is an effective approach to enhance performance and manage operation and control of the distribution system.

The traditional methods used to assess the technical and economical aspects are being replaced by soft computing methods, which offer faster, and accurate results. The stability of the power system with distributed energy resources requires monitoring and control actions that are swift and accurate meeting the challenges of the complexity due to increased penetration of distributed generation. This seminar aims to enhance the knowledge of the participants by discussing the soft computing approach as well as the challenges faced to help identify research areas for improved performance, operation and control in a smart grid. The seminar will help to enrich the knowledge of the participants and create awareness of the latest developments in the electrical power industry by providing a platform for discussing the relevant real time problems faced today.

OBJECTIVES OF SEMINAR AND THRUST AREAS

- To bring academicians and industry personnel together onto a single platform to share their expertise and experience.
- Provide opportunity for participants to interact and share the latest developments and technologies related to soft computing techniques and challenges in the Power Industry.
- The seminar will motivate the young faculty members and researchers towards innovative ideas.
- Enable faculty members to enrich the content delivery to the students, resulting in improved teaching learning outcomes.

Thrust Areas- Distributed Energy Resources, Control, Energy and Power, Restructuring of Power System, Soft Computing Techniques, Smart Grid.

RESOURCE PERSONS

- Prof. A.Q. Ansari (Dept. of Electrical Engg., Jamia Millia Islamia, New Delhi)
- Mr. Sreekanth Reddy (Sr. Manager, Voith Hydro Ltd., Noida)
- Mr. Anoop Kumar (Manager, Voith Hydro Ltd., Noida)

PARTICIPANTS

Faculty members of Engineering Colleges affiliated to AKTU and other Universities. Research scholars & PG students pursuing research / project work in this field.



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 Energy Resources in a Smart Grid**

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REGISTRATION FORM

Name:

Designation:

Department:.....

Institution / Organization.....

Area of Specialization:

Academic Qualification:.....

Address :.....

E-mail:

Contact No.:

No Registration Fee

Declaration

**The above information furnished is correct to the best of my
 knowledge and belief.**

Signature of Applicant

Signature of HOD

Sign. & Signature of Principal / Director