

QIP Short Term Course on

Application of Metaheuristic Techniques in Smart Power System Operation, Control and Protection

AMTSPSOCP-2017

1st – 6th May, 2017



Coordinator(s)

Dr. A. K. Barisal

Associate Professor
Department of Electrical Engineering

&

Dr. Papia Ray

Assistant Professor
Department of Electrical Engineering



Veer Surendra Sai University of Technology, Odisha -
768018
www.vssut.ac.in

ELIGIBILITY

The course is open for all teachers of degree level technical/engineering colleges/institutions approved by AICTE. No course fee is charged for participants sponsored by AICTE approved institutions. However, a caution money deposit of Rs.1000/- has to be deposited by the selected participants, which will be returned at the end of the course. Few seats will be available for participants from other government teachers, private organizations and engineers from industry are also eligible, provided they meet their TA and DA. A course fee of Rs. 3000/- will be charged to these participants, this will be entitle them in the course and receive the course material. The payment has to be made through DD, drawn on any Nationalized Bank and in favor of Co-ordinator QIP STC on "AMSPSOCP", payable at Burla.

FINANCIAL ASSISTANCE

Limited number of participants from the AICTE recognized institutions will be eligible for III AC to and fro railway fare (via shortest route from the place of work). Only the candidates attending the full course will be eligible for TA and DA.

VENUE

The course will be arranged in the Golden Jubilee Seminar Hall of VSSUT, Burla.

BOARDING & LODGING

Boarding and lodging facilities will be provided for the limited candidates from AICTE approved institutions in the institute guest house based on availability. However, lodging facility in students hostel can be arranged for others subject to availability on payment basis.

IMPORTANT DATES

The last date for receipt of duly filled applications is **4th April, 2017**. Intimation of selection of candidature will be communicated through e-mail by **10th April, 2017**.

Note: Interested candidates may send an advance copy of the completed application by fax/email to avoid procedural/postal delay.

SPONSORSHIP

(a) For applicants from AICTE approved institutions

Prof./Dr./Mr./Ms. _____ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course "Application of Metaheuristic Techniques in Smart Power System Operation & Control (AMTSPSOCP)" at VSSUT, Burla to be held from 1st -6th May, 2017, if selected.

Date: _____ Signature of sponsoring authority

Office Seal: _____ Designation

(b) For applicants from other Government and Private organizations

DD NO: _____ Date: _____

Bank: _____ Amount: _____

Signature of the Applicant

The duly completed application should be mailed to

Dr. A. K. Barisal / Dr. Papia Ray

Coordinator, QIP STC on "AMTSPSOCP"
Department of Electrical Engineering
Veer Surendra Sai University Of Technology Odisha,
P.O:- Engineering College, Burla, Sambalpur-768018,
Odisha, India
Mob. 9861128915 / 8895063798
Fax:-0663-2430204
E-mail: amtpsoc.vssut@gmail.com

ABOUT THE UNIVERSITY & DEPARTMENT

Veer Surendra Sai University of Technology(VSSUT), Odisha formerly known as University College of Engineering, (UCE) Burla was upgraded to a non-affiliating Unitary State University which came into force from 1st day of July 2009 by Odisha Act 9 of 2009. VSSUT is located at the foothill of famous Hirakud Dam ,longest in Asia. Burla is known as Intellectual Capital of Odisha with VSSUT, VSS Medical College, Sambalpur University, MCL, WESCO, IIM Sambalpur. It is located 12 km away from Sambalpur railway station and 3 km away from Hirakud railway station. VSSUT, Odisha has carved a niche for itself among the best technical institutes in India and is a dream institute for many budding engineers. The University offers B.Tech., M.Tech., Dual Degree, M.Sc, MCA and PhDs. The university is surrounded by a large number of Government, public and private industrial sectors such as OHPC, HINDALCO, NALCO, NTPC, OPTCL, Vedanta Aluminium Ltd and Bhusan Steel Plant. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year. The climate in May is hot with occasional wind storms.



Electrical Engineering (EE) The department of Electrical Engg., one among the first branches to be instituted in 1956, with a rich heritage of academic excellence, innovative curriculum, effective classroom teaching, application oriented practices, well equipped laboratories and updated workshops, excellent placement record, industry institute interaction and top of the line faculty members with outstanding research abilities.

SPEAKERS

The series of lectures will be delivered by the faculty members of VSSUT, Burla and eminent speakers invited from NITs, IITs and other premier institutions of India.

OBJECTIVE

The prime objective of this course is to promote research and recent developmental activities of smart power systems. The STC aims to bring together scholars, innovative researchers, leading professionals, managers, policy makers and industrial experts to exchange and share their experiences and research activities about all aspects of smart power system advancement and discuss the practical challenges encountered and the solution strategy adopted.

COURSE CONTENTS

- Power transmission and distribution
- Power Electronics & drives
- Renewable & green energy sources
- Recent trends in advanced Control
- System & Automation
- Distributed Generation
- SCADA, FACTS & HVDC
- Control of electrical machines
- Application of Fuzzy Logic & Neural Networks in power system
- Application of Soft-computing Techniques in power system
- Power System deregulation
- High Voltage Engineering
- Measurement and Instrumentation
- Power system protection
- Embedded systems & control
- Microcontroller and Microprocessor applications to power system
- Power system Management
- Power Quality Issues
- Hybrid Electric Vehicle
- Micro/Smart grid technologies

COURSE MATERIALS

The course lectures shall be delivered by the faculty members of VSSUT, Burla and eminent speakers invited from NITs, IITs and other premier institutions of India.

**Veer Surendra Sai University of Technology, Odisha
Burla-768018**

**QIP Short Term Course on
AMTSPSOCP-2017
1st – 6th MAY, 2017
[Application Form](#)**



1. Name (Block letter):

2. Designation:

3. Organization:

4. Date of Birth:

5. Address for communication:

Pin Code:

Mobile:

E-mail:

6. Academic Qualification (Please tick)

(a) B.Tech.

(b) M.Tech.

(c) Ph.D.

7. Specialization:

8. Experience (in years):

(a) Teaching

(b) Industrial

(c) Research

9. Amount of TA requirement as per entitlement mentioned in the brochure (only for AICTE approved colleges) Rs.:

Please register for the course entitled “**Application of Metaheuristics techniques in Smart Power System Operation & Control**” to be held at VSSUT, Burla during 1st -6th May, 2017.

Place:

Date:

Signature of the applicant