TEQIP-III Sponsored Short Term Course on

Soft Computing Techniques for Engineering Problems

SCTEP-2018

3rd – 8th January, 2018

Dr. A. K. Barisal
Coordinator
&
Dr. S. K. Panda and Mr. D. K. Lal
Co-coordinators

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

ELIGIBILITY

The course is open for faculty member/practice engineer/industry professional/VSSUT research scholars.

REGISTRATION AND FEE

Interested participants are required to submit the prescribed application form to the Coordinator of this STC on or before **30th December 2017**. There is no registration fee for participants and there is no TA, DA, accommodation and other expenses for attending this STC. However, the participants may get the list of nearby hotels by sending a request mail to the Coordinator of this STC. Selection will be based on first come first served basis and the number of participants is **limited to 50**. Selected participants are intimated through email on or before **1st January 2018**.

VENUE

D-220, Seminar Hall, Electrical Engineering Department, Veer Surendra Sai University of Technology, Burla.

IMPORTANT DATES

Last Date of Submission of Application:
30/12/2017

Intimation to Selected Participants:
01/01/2018

STC Schedule:
3rd – 8th January 2018

Veer Surendra Sai University of Technology Burla-768018, Odisha

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Application Form

1. Name (Block Letter):

2. Designation and Branch:

3. Organization:

4. Date of Birth:

5. Address for communication:

Pin Code: Mobile:

6. E-mail:

7. Academic Qualification (Please Tick)

(a) B. Tech.   (b) M. Tech.   (c) Ph. D.

Specialization:

8.Experience (in Years):

(a) Teaching   (b) Industrial   (c) Research

Please register for the course entitled "**Soft Computing Techniques for Engineering Problems**" to be held at VSSUT, Burla during 3rd -8th January, 2018.

Place:
Date:

Signature of the Applicant

ABOUT THE UNIVERSITY & DEPARTMENT

Veer Surendra Sai University of Technology (VSSUT), Odisha (formerly known as University College of Engineering (UCE), Burla) was formed by Odisha Act 9 of 2009 by upgrading to a Unitary State University, which came into force from 1st day of July 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 Institute of Medical Science and Research, Sambalpur University, MCL, WESCO and IIM Sambalpur. It is located 12 KM away from Sambalpur railway station and 3 KM away from Hirakud railway station. VSSUT, Burla 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, Int. M. Sc., MCA and Ph. Ds. 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.

ABOUT THE DEPARTMENTS

The Department of Electrical Engg., VSSUT, Burla was established in 1956 and the Department of Information Technology, VSSUT, Burla was established in 2003. Both Departments are 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. Both Department offer B. Tech., M. Tech. and Ph. D. programmes.

OBJECTIVE

The prime objective of this course is to promote research and recent developmental activities of soft computing. 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 soft computing and discuss the practical challenges encountered and the solution strategy adopted.

COURSE CONTENTS

- Genetic Algorithm
- Particle Swarm Optimization
- Ant Colony Optimization
- Bee Colony Optimization
- Bacteria Foraging Optimization
- Biogeography-based Optimization
- Firefly Optimization Algorithm
- Differential Evolution Algorithm
- Gray Wolf Optimization
- Moth Flame Optimization
- Cuckoo Search Algorithm
- Glowworm Swarm Optimization
- Artificial Neural Networks
- Fuzzy Logic
- Expert System
- Applications
    - Power Engineering
    - Smart Grids
    - Data Mining
    - Wireless Sensor Networks
    - Cloud Computing
    - Communication Networks
- Advanced Topics

SPEAKERS

The course lectures shall be delivered by the faculty members of VSSUT, Burla.

CONTACT DETAILS

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