

## AICTE QIP SPONSORED SHORT TERM COURSE ON

WIRELESS COMMUNICATIONS:  
ISSUES, CHALLENGES &  
TECHNIQUES

WCICT-2018

23<sup>rd</sup> -28<sup>th</sup> April, 2018



Prof. Uma Ranjan Jena/  
Ms. Madhusmita Panda  
Coordinators



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

### ELIGIBILITY

The course is open for all the teachers of degree level technical/engineering colleges/institutions approved by AICTE. No course fee is charged for participants sponsored by AICTE approved institutions. However, 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 and Private organizations. Engineers from industries are also eligible, provided they meet their TA and DA. A course fee of Rs. 3000/- will be charged to these participants, which will entitle them to carry out the course and receive the course material. **The payment has to be made through DD, drawn on any Nationalized Bank and in favor of AICTE QIP STC on "WCICT", 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 & DA

### VENUE

D-219, Seminar Hall, Electronics & Telecommunication Engineering Department, Veer Surendra Sai University of Technology, 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

### IMPORTANT DATES

**Last Date of Submission of Application:**

08/04/2018

**Intimation to Selected Participants:**

15/04/2018

**STC Schedule:** 23<sup>rd</sup> – 28<sup>th</sup> April 2018

### 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 on "**Wireless Communications: Issues, Challenges & Techniques(WCICT) – 2018**" at VSSUT, Burla to be held from 23<sup>rd</sup> to 28<sup>th</sup> April, 2018, 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. U. R. Jena/ Ms. M. Panda**

Coordinators, TEQIP STC on WCICT – 2018  
Department of Electronics Telecommunication Engg.  
Veer Surendra Sai University of Technology Odisha,  
P.O:- Engineering College, Burla, Sambalpur–768018  
Odisha, India

Mob. 8093573715 / 9438324194

Fax: (0663) 2430204

E.mail:wciqvssut@gmail.com

## ABOUT THE UNIVERSITY

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

Department of **Electronics and Telecommunication Engineering** is the first department of its kind in the state of Odisha and was established in 1972 with a vision to develop new ideas in the field of Communication Engineering. It offers B. Tech., M. Tech. and Ph. D. programmes and is recognized for its good placement record, industry institute interaction and top of the line faculty members with outstanding research abilities. Since more than four decades, this department has produced many high standard and self-motivated professionals to serve humanity both nationally and internationally at par excellence

## OBJECTIVE

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

## COURSE CONTENTS

- Modulation, coding and diversity techniques in wireless communication
- Channel modelling & characterisation for OFDM communication systems
- Multiple access & radio access technology
- Interference mitigation techniques
- Cross layer design and security issues
- Cognitive radio & cooperative systems
- Satellite and space communication
- Millimetre wave communication
- Ad-hoc, mesh and linear sensor networks
- 4G/5G- implementation issues

## COURSE MATERIALS

Registered participants will be provided with set of comprehensive lecture notes, delivered by the speakers

## 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.

**Veer Surendra Sai University of Technology**  
**Burla-768018, Odisha**  
**TEQIP-III Sponsored Short Term Course**  
**on**  
**WCI CT-2018**  
**23<sup>rd</sup>- 28<sup>th</sup> April 2018**

## [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.ech.

(c) Ph. D.

**Specialization:**

**8.Experience (in Years):**

(a) Teaching

(b) Industrial

(c) Research

Please register for the course entitled "Wireless Communications: Issues, Challenges & Techniques" to be held at VSSUT, Burla during 23<sup>rd</sup>-28<sup>th</sup> April, 2018.

Place:

Date:

**Signature of the Applicant**