

SPONSORSHIP

(a) For applicants from AICTE approved Institutions

Prof./Dr./Mr./Ms. _____

is an employee of our Institute/Industry and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course “**Sustainable Materials for Engineering Applications (SMEA-2018)**” at VSSUT, Burla to be held from 14th -19th May, 2018, if selected.

Date: _____ Signature of sponsoring authority

Official 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:

Er. Pratap Kumar Pradhan

Er. Akash Kumar Naik

Coordinator, QIP STC on “SMEA-2018”

Department of Civil Engineering

Veer Surendra Sai University of Technology

Burla, Sambalpur – 768018, Odisha, India.

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Email: smea.vssut@gmail.com

ABOUT US

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.

The Department of Civil Engineering has been in existence since 1956 with the inception of VSSUT, Burla and is producing high quality technical manpower needed by industry, R&D organizations, and academic institutions. The departmental activities embrace Planning, Design, Construction and Management. The Department offers B.Tech, M.Tech., Dual Degree and PhD courses in civil engineering. The department has been accredited under Tier-I program by National Board of Accreditation (NBA-Washington Accord) in 2016 for five years (2016-2020). With this accreditation, the Department of Civil Engineering of VSSUT Burla has become an elite member in the club of only twenty reputed Institutions across the country which includes National Institutes of Technology (NITs).

AICTE QIP Short Term Course On Sustainable Materials for Engineering Applications (SMEA-2018)

14th- 19th May, 2018



Coordinators

Er. Pratap Kumar Pradhan

Assistant Professor

Er. Akash Kumar Naik

Assistant Professor

Organized by



**Department of Civil Engineering
Veer Surendra Sai University of Technology
Burla, Odisha, 768018, India.
www.vssut.ac.in**

OBJECTIVE

Conservation of natural resources, protection of environment, and reduction in the number of landfill use could be achieved by the use of sustainable materials for application in various construction activities. In recent years, several countries have been trying to implement novel materials and technologies for achieving sustainable construction. Utilization of various types of industrial, agricultural and construction and demolition waste products as aggregate and binding materials in construction activity. Furthermore, environmental related issues could be adopted by use of sustainable technology during construction and demolition activity.

With consideration of the importance of the sustainable materials and technologies for construction, the main aim of this programme is to provide a forum in which the participant can acquire knowledge about the innovations in the materials for application in construction industry. This programme will be beneficial for the participants from academics, R&D institutions, professional engineers from utilities, and research scientists. Moreover, this course will offer a unique opportunity to the researchers, practicing engineers, academicians and students working in this area to acquire knowledge in current and topics in sustainable materials and technology.

COURSE CONTENTS

- ✚ Introduction to sustainable materials
- ✚ Recycled concrete and its applications
- ✚ Hot mix Asphalt with recycled aggregates
- ✚ Nano-Engineered recycled concrete
- ✚ Fly ash aggregates for sustainable applications
- ✚ Geotechnical application of Industrial waste
- ✚ Sustainable concrete using RCA and slag
- ✚ Sustainable materials for irrigation structures
- ✚ Modification of binder using industrial waste
- ✚ Agricultural and Biological waste and their use
- ✚ Stabilization of soil using industrial waste

ELIGIBILITY

The course is open to 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 deposit of Rs.1000/- has to be sent by the provisionally selected participants, which will be returned when participant joins for the course. The payment is to be made by DD drawn on any Nationalized Bank, **in favour of "AICTE QIP STC on SMEA-2018", Payable at Burla.**

Registration is free of cost. Selection will be on first come first served basis and the number of participants is limited to 30. Participants from Industry and other organizations are also eligible. But, no TA and DA are applicable to them and a course fee of Rs. 3000 is charged.

FINANCIAL ASSISTANCE

Limited number of participants from the AICTE approved institutions will be eligible up to III AC to and fro railway fare* (via shortest route from the place of work). Tatkal charges will not be reimbursed.

BOARDING AND LODGING

Boarding and lodging facilities will be provided for all the outside participants from AICTE approved institutions in the University guest house at Burla in twin sharing basis.

SPEAKERS

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

IMPORTANT DATES

The last date for receipt of duly filled applications is **21th April, 2018**. Intimation of selection of candidature will be communicated through e-mail by **28th April, 2018**. Final selection notification will be given after receipt of DD and willingness to attend the course.

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

Veer Surendra Sai University of Technology,

Burla - 768018, Odisha

QIP Short Term Course on

Sustainable Materials for Engineering Applications (SMEA-2018)

14th- 19th May, 2018

[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 me for the course entitled "**Sustainable Materials for Engineering Applications (SMEA-2018)**" to be held at VSSUT, Burla during 14th- 19th May, 2018.

Place:

Date:

Signature of the applicant