

ABOUT US

SPONSORSHIP

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 Engineering Materials, Design & Applications (EMDA) at VSSUT, Burla to be held from **23rd April, 2018 to 28th April, 2018**

Signature of sponsoring authority

Date:

Office Seal Designation

DD No:

Date:

Bank:

Amount:

Signature of the applicant

The duly completed application should be mailed to:

Dr.Padmanav Dash/Mr. Johnson B.Lakra
Department of Mechanical Engg.
Veer Surendra Sai University of Technology, Burla,
Sambalpur – 768018, Odisha, India.
Tel: 8093222010, 9445965066
Email: emda.vssut@gmail.com

Established on 12th Aug. 1956, at Burla in the name of University College of Engineering (UCE), the first engineering college was functioning as a constituent college of Utkal University, Bhubaneswar. The Veer Surendra Sai University of Technology (VSSUT) Odisha was formed by converting UCE to a non-affiliating Unitary University and came into force in the year 2009 by issue of notification by the Industries Department, Government of Odisha. The University occupies nearly 300 acres of prime land in Burla. With a glorious history stretching back over 61 years, providing technical education within a modern educational environment and strong academic staff, VSSUT is identified with engineering education in India. The University has a strong alumni base, most of them occupying coveted positions in many educational, industrial and research organizations all over the world.



Mechanical Engineering Department of VSSUT, BURLA offers an up-to-date 4 year B.Tech Degree course, 2 year M.Tech Degree course in Machine Design & Analysis, Heat Power Engineering and Production Engineering and PhD in different specializations. The students graduated from this Department are well-placed in important National and International organizations.

AICTE QIP Sponsored Short Term Course

on

Engineering Materials, Design & Applications (EMDA)

23rd -28th April, 2018



Coordinators:

Dr.Padmanav Dash
Mr. Johnson B.Lakra

Organized by



Department of Mechanical Engineering
Veer Surendra Sai University of Technology,
Burla

OBJECTIVE

As science ventures into various new specialized applications in the field of Mechanical Engineering, Aerospace, Medical Science and other fields of Engineering and sciences, so is the need arises for new methods for designing, which will cater for these new requirements.

The purpose of conducting this course is to provide basic knowledge, in-hand experience and a common platform for various stakeholders interested in this area to acquire a clear vision on recent developments and novel technological advancement in the field of Mechanical Designing from fundamentals to application, so that the gained knowledge could be used for the betterment of the society.

COURSE CONTENT

- Introduction to various Engineering Materials, their characteristics and properties, selection methodologies and applications
- Material uncertainty in Designing
- Understanding of Stress analysis and its application
- Scope of Finite Element Methods (FEM) in Design
- Non-linear Finite Element Method in Design
- Fatigue failure in Materials & its Prevention
- Fracture Mechanics & Delamination studies in Composites
- Sandwich Structures Design and its applications
- Industrial Noise Control and Acoustic based Condition Monitoring
- Tribology
- Smart Materials & Structures

REGISTRATION DETAILS

No course fees charged for participants sponsored by AICTE approved institutions. However, a caution deposit of Rs.1000/- has to be paid, which will be returned when the participant joins for the course. All payments are to be made in the form of demand draft drawn on any Nationalized Bank and in favor of “**AICTE QIP STC on EMDA**” payable at Burla. Selection will be on first come first served basis and the number of participants is limited to 30. Interested candidates may send an advance copy of the completed application by email to avoid procedural/postal delay.

FINANCIAL ASSISTANCE

Limited number of participants from the AICTE approved institutions will be entitled up to III-AC and fro railway fare* (via shortest route from the place of work).

*Tatkal charges will not be reimbursed.

FACILITIES

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

SPEAKERS

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

ELIGIBILITY

The course is open to all teachers of degree level AICTE recognized technical Colleges/Universities/Institutions.

Registration Form **AICTE Sponsored Short Term Course** **under QIP Scheme on** **Engineering Materials, Design & Applications** **(EMDA)**

23rd -28th April, 2018

1. Name (Block letter):
2. Designation & Dept.:
3. Organization:
4. Address for communication:

Pin Code:

Phone:

E-mail:

5. Highest Academic Qualification:
6. Years of Experience:
7. Specialization:

Only for outside participants:

Draft No. _____ Bank _____

This is certified that the above information furnished by me is correct to the best of my knowledge and belief.

Date: Signature of the applicant

Important dates:

Last date of receiving applications: 13th April, 2018

List of shortlisted participants: 16th April, 2018

(Will be intimated through e-mail)