

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

## TEQIP III Sponsored Workshop on Experiments in Non Destructive Testing

17<sup>th</sup> -18<sup>th</sup> February, 2018

### Application Form

Name (Block Letters):

Designation:

Organization:

Date Of Birth:

Address:

Pin Code: Mobile:

E-Mail:

Academic Qualification:

B-Tech  M-Tech  Ph. D.

Specialization :

Experience (Years):

Teaching  Industrial  Research

Registration Fees (200/-) :

Check  DD  Cash

Please register me for the course entitled “ **Experiments in  
Non Destructive Testing** ” to be held at VSSUT, Burla during  
17<sup>th</sup> -18<sup>th</sup> February, 2018.

Applications to be submitted to the co-ordinator on or before  
13<sup>th</sup> February 2018.

Place: / / 2018

Signature of the Applicant

### OBJECTIVE

Nondestructive testing (NDT) is the process of inspecting, testing, or evaluating materials, components or assemblies for discontinuities, or differences in characteristics without destroying the serviceability of the part or system. In other words, when the inspection or test is completed the part can still be used.

In contrast to NDT, other tests are destructive in nature and are therefore done on a limited number of samples (“lot sampling”), rather than on the materials, components or assemblies actually being put into service.

These destructive tests are often used to determine the physical properties of materials such as impact resistance, ductility, yield and ultimate tensile strength, but discontinuities and differences in material characteristics are more effectively found by NDT.

### COURSE CONTENT

- Magnetic Particle Testing (MT)
- Liquid Penetrant Testing (PT)
- Radiographic Testing (RT)
- Ultrasonic Testing (UT)
- Electromagnetic Testing (ET)
- Visual Testing (VT)
- Vibration Analysis (VA)
- Eddy Current Analysis (EA)
- Boroscopy

### ABOUT THE UNIVERSITY & THE DEPARTMENT

Veer Surendra Sai University of Technology (VSSUT) Odisha was formed by Odisha Act 9 of 2009 by upgrading University College of Engineering (UCE), Burla to a non-affiliating Unitary State University which came into force from 1st day of July 2009.



The university has fourteen departments covering all the major engineering, science and humanities disciplines, offering B. Tech, B. Arch, M. Tech, M. Sc and Ph. D. programs. VSSUT is located at the foothill of Hirakud dam – World's longest dam. Burla is known as intellectual Capital of Odisha with VSSUT, Sambalpur University, VSSUT is surrounded by metal and power industries and is referred as Odisha's “Growth corridor” VSSUT campus is about 10 kms from sambalpur railway station.

Metallurgy & Materials Engineering (MME) at VSSUT Burla, established in 2013, is a unique initiative in the present science and technology education and research scenario of India. This department is devoted to the design, creation and fundamental understanding of materials that are capable of enhancing the human experience.

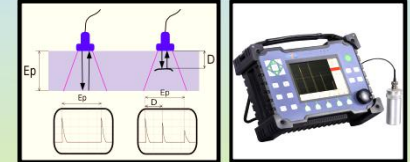
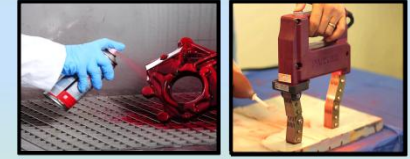
### SPEAKERS

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.

### COURSE MATERIAL

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.

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### Co-ordinator(s)

Mr. A Lava Kumar,  
Mr. Dinesh Ku Mishra  
Mr. Gautam Behera  
Dr. S. K. Badjena



Department of Metallurgy & Materials Engineering  
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Odisha - 768018

www.vssut.ac.in