

## OBJECTIVE

The main objective of the workshop is to

- The objective of this courses is to impart theoretical and practical knowledge to the participants on the basic principles, procedures, selection and application of various NDT techniques in industries to analyse the integrity of the components.

## FACILITIES AVAILABLE AT OUR NDT LAB

- Dye Penetrant Inspection Kit
- Prod contact Magnetic Particle Test Kit
- Ultrasonic Flaw Detector
- Radiography Film Viewer

## TOPICS TO BE COVERED

### Class Room Sessions

- NDT Basics – Principles, types and features
- Qualification and Certification Systems in NDT
- Liquid Penetrant Inspection
- Magnetic Particle Inspection
- Radiography Inspection
- Ultrasonic Inspection

### Practical Sessions

- Visible Dye Penetrant Testing
- Magnetic Particle Testing
- Ultrasonic Thickness and Defect Analysis
- Radiography Film Interpretation

## COURSE PRESENTATION

The Course will be delivered in a professional manner, by a team of NDT professionals who will clearly demonstrate expert knowledge and understanding of training requirements in NDT and its applications in industries. The course are also practically-orientated with hands on training on various NDT methods.

## ELIGIBILITY

- Engineering, Diploma & Science Graduate Students.
- Faculty working in Engineering / Polytechnic Arts and Science Colleges
- Participants from R&D and Research Scholars.

## REGISTRATION FEE

- Engg./Diploma/Science Students Rs. 300/-
- Faculty Members Rs. 500/-
- Research Scholars and Industry Rs. 600/-

- Payment by DD drawn in favour of “**The Principal, National Engineering College**” payable at Kovilpatti along with the registration form.

## TA / DA

- No TA & DA will be paid to the participants.

## BOARDING & LODGING

- Free Hostel Accommodation and Working Lunch will be provided to all the participants.

## IMPORTANT DATES

Registration on or before : 12/02/2019

## National Engineering College

(An Autonomous Institution)

### Centre for Manufacturing Sciences

K.R.Nagar, Kovilpatti,  
TamilNadu – 628 503

## ISTE Sponsored TWO DAY NATIONAL LEVEL WORKSHOP ON

### Industry Oriented Non Destructive Testing Methods & Training

14-02-2019 & 15-02-2019

## REGISTRATION FORM

Name :  
Qualification :  
Designation : Sex:  
Experience : Teaching ..... Yrs, Industry..... Yrs  
Organization :  
Communication Address  
Pin:  
Phone numbers (With STD Code)  
(Off)  
(Res)  
Mobile :  
E-mail :  
**Details of Registration Fee:**  
Draft No.....Dt.....Rs.....  
Name of the Bank.....  
Is accommodation required? : YES / NO

## DECLARATION OF THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature of the candidate

## SPONSORSHIP

Mr./Ms/Dr./Prof..... is an employee of our institution and hereby sponsored. He/She will be permitted to attend the programme, if selected.

Date: \_\_\_\_\_ Signature of the sponsoring authority with office Seal

## Address for Communication

**Convener**  
**Dr.D.Ravindran**  
Professor

**Coordinators**  
**Mr. S.R.Sundara Bharathi,**  
**Mr.A.Arul Marcel Moshi,**  
Assistant Professor  
Department of Mechanical Engineering,  
National Engineering College,  
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moshimarshal@nec.edu.in  
(Use Photocopies for Additional Forms)

## ABOUT THE INSTITUTE

National Engineering College, an autonomous institution was established in the year 1984. It offers 7 UG, 9 PG and several research programmes leading to Ph.D. degrees in all departments. Six UG Programmes and MCA are accredited by NBA (AICTE), New Delhi. NEC has several centres of excellence. The college has signed MoUs with research organizations and industries in order to promote closer interaction with other institutions in the areas of technology development, training of students, curriculum updation and development of state-of-art centres. The College has well-equipped laboratories for all branches of engineering and also has close interactions with the leading Industries and IT firms for students training and project works. Due to the excellent academic climate in the campus, UG and PG students of our college enjoy good campus placement prospects.

## ABOUT THE DEPARTMENT

The Mechanical Engineering Department has qualified, experienced and dedicated faculty with industrial and research background. The department is accredited by NBA for Five Years and has got affiliation from Anna University, Chennai. The department is recognized as research center and the research is being carried out in different thrust areas like metal forming, tribology, powder metallurgy, composite materials, finite element method, tolerance allocation, selective assembly, bearing design, fusion welding of dissimilar materials, diffusion bonding, friction stir welding, scheduling, welding parameter optimization, renewable energy sources, wind turbine blade design and solar desalination. The Department is offering two PG courses in Manufacturing Engineering and Energy Engineering. The department has received Rs 50 lakhs worth of research project from BRNS and AICTE. It has organized two International conferences and many National conferences.



**ISTE Sponsored**  
**TWO DAY NATIONAL LEVEL WORKSHOP ON**

**Industry Oriented Non Destructive Testing**  
**Methods & Training**

**14-02-2019 & 15-02-2019**



*Organized by*

**Department of Mechanical Engineering,**  
**National Engineering College,**  
*(An Autonomous Institution)*  
**K.R.Nagar, Kovilpatti,**  
**Tuticorin District,**  
**Tamil Nadu - 628 503**

