

## Exposure on the following NDT Techniques with practical sessions



Liquid penetrant Test



Radiographic Test



Welded materials



Magnetic Test



Ultra sonic Testing



Ultra sonic flow Detector

### RESOURCE PERSON



**T.MEHER PRETHAM**

CEO

[MBA (STRATEGY & MARKETING), B. TECH (MECHANICAL), LEAD AUDITOR ISO 9001:2008, AMERICAN WELDING SOCIETY X-CERTIFIED WELDING INSPECTOR, ASNT LEVEL 2]

### THE COMPANIES HE WORKED UNDER



**Mr.Meher Pretham**  
Resource Person  
9642344565

**Mr.Charan**  
Technical Trainer  
9381555512

### Chief Patron:

**Sri.M.Srinivasa Rao**

President,Bapatla Education Society

**Sri.M.Nageswara Rao**

Secretary,Bapatla Education Society

### Patron:

**Dr. Nazeer Shaik**

Principal,Bapatla Engineering College

### Convener:

**Dr. T. Nancharaiah**

Professor & HOD, Dept. of ME, BEC

### Coordinators:

**Mr.M.Subrahmanyam**

Asst Professor, Dept. of ME, BEC

**Mr.V.Krishna Koundinya**

Asst Professor, Dept. of ME, BEC

### Members:

All staff members, Dept. of ME, BEC

### Student Coordinators:

**J.Gowtham Kumar** - 7075651707

**K.Kiran Kumar** - 7893813927

**S. Vamsi Krishna** - 8184988384

A Five Day Workshop

on

Applications and Importance  
of NDT in various industries

25th July - 29th July 2022



Organized by

Department of Mechanical Engineering  
Bapatla Engineering College

(Autonomous)

Bapatla-522101

Andhra Pradesh



## About the College:

Bapatla Engineering College (Autonomous) was established in the year 1981 with a total intake of 180 students in CE, ME & E.C.E branches. The college was initially affiliated to Andhra University and later to Nagarjuna University from 1984 Onwards. An additional section with an intake of 60 was sanctioned for Mechanical Engineering branch in 1987. From the year 1994, The College embarked on programs of expansion in terms of courses and intake, infrastructure and facilities. With requisite infrastructure facilities and competent human resources, the college is one of the "Largest Institutions in the State of Andhra Pradesh". The college is widely acclaimed for its meticulous planning, resource scheduling and Institutional management. The college has solicited appropriate accreditation for Civil, Computer Science, Electronics and Communications, Electrical and Electronics, Electronics and Instrumentation and Mechanical Engineering branches twice by AICTE-NBA and for subsequently started Chemical Engineering, Information Technology and Bio-Technology.

## About the Department:

The Department was established in 1981. The Department has excellent lab facilities with state of the art equipment and it has highly qualified, experienced and committed faculty members. The Department gives importance not only to academic education and research a development ASSOCIATION. The Department

but also ethical values and personality development of students. The Department of Mechanical Engineering regularly organizes various technical & extracurricular events and brings out magazine annually under MECHANICAL ENGINEERING STUDENTS ASSOCIATION. The Department has exclusive Computer Centers equipped with high capacity servers and systems with high configuration and. Number of Mechanical related software packages like ANSYS-18.

0Pro/ENGINEER 4.0, CATIA V5 R15, ADMSS, INVENTOR SERIES, AUTOMATION STUDIO, STAR-CD for CAD lab and packages like Master CAM, Emco off line simulation etc., for CAM and Automation lab are available. The department strives hard to impart quality education and to keep the students on the competitive edge of the present-day technology.

## About the Workshop:

Nondestructive testing(NDT) is a wide group of analysis techniques used in science and technology industry to evaluate the properties of a material

## Benifits:

- Certificate of Excellence for Actively participated candidates.
- Workshop Participation Certificate will be given to each & every individual candidate.
- Unlimited career guidance to students on advanced certifications & placements.
- Training sessions will be done by using Theoretical & Practical sessions.

- Industrial visits to the NDT Industry to workshop attended candidates.
- Project works assistance to workshop attended candidates.

## Scope of Workshop:

### LIQUID PENETRANT TESTING

- Introduction of LPT.
- Advantages & Disadvantages of LPT.
- Chemicals used in performing LPT.
- Steps involved in performing LPT.
- Types of LPT Testing's.
- Codes & Standards for conducting LPT Test
- Practical Lab on LPT.

### MAGNETIC PARTICLE TESTING

- Introduction of MPT.
- Advantages & Disadvantages of MPT of MPT.
- Chemicals used in performing MPT.
- Steps involved in performing MPT.
- Types of MPT Testing's.
- Codes & Standards for conducting MPT Test
- Practical Lab on MPT.

### RADIOGRAPHY TESTING

- Introduction of RT.
- Advantages & Disadvantages of RT.
- Applications of RT.
- Steps involved in performing RT.
- Codes & Standards for conducting RT Test & Report writing.
- Practical Lab on RTFI (RADIOGRAPHIC TEST FILM INTERPRETATION).

### ULTRASONIC TESTING

- Fundamentals of Ultrasonic Testing.
- Advantages & Disadvantages of UT.
- Applications of UT.
- Sound wave velocities in Different Materials.
- Calibration of standard blocks (V1, V2).
- Conducting UT tests on different specimens as per ASNT standards
- Practical Lab on UT.

## Registration Fee:

Rs/- 400 Per each Student

(Registration fee includes Workshop Kit, working Lunch and Tea during the workshop dates)

## Who can attend?

3rd and 4th year B.Tech students of Mechanical Engineering.

## Venue :

CMB Seminar Hall,  
Bapatla Engineering College, Bapatla, A.P.