

SAKTHI POLYTECHNIC COLLEGE, SAKTHI NAGAR – 638315.

DEPARTMENT OF METALLURGY

TOPIC : NDT TRAINING

DATE : 30.01.2023





SAKTHI POLYTECHNIC COLLEGE
SAKTHI NAGAR – 638315.

DEPARTMENT OF METALLURGY

Cordially invites you for the Inaugural function of

NDT TRAINING PROGRAM

DATE : 30.01.2023

TIME : 11.00 AM

VENUE : MEETING HALL

AGENDA

TAMIL THAI VAZHTHU

WELCOME ADDRESS : Mr. M. SENTHILKUMAR M.E., MISTE.,
HOD / METALLURGY

PRESIDENTIAL ADDRESS : Dr. N. THANGAVELU M.E., Ph. D., MISTE.,
PRINCIPAL

GUEST LECTURE : Mr. R. MANIKANDAN M.E.,
MANAGING DIRECTOR,
QUEEN INDIA NDT INSTITUTE (ENGINEERING
SERVICES) ERODE - 638 004

VOTE OF THANKS : Selvan. V. S. JANARTHANAAN III
YEAR / METALLURGY,
SAKTHI POLYTECHNIC COLLEGE.

NATIONAL ANTHAM

Provide NDT certificates as per test results:

After successful completion of all those theoretical and Practical tests, the test results will be discussed technically and evaluated carefully. Ultimately, the Students will bag the NDT certificate with ASNT Level III approval.

Job opportunities:

- ❖ Aerospace
- ❖ Construction
- ❖ Marine
- ❖ Nuclear Energy
- ❖ Oil Industry
- ❖ Gas industry
- ❖ Automotive
- ❖ Heavy Fabrication Plant
- ❖ Infrastructure

Program Convenor:

Mr. M. Senthilkumar. M.E. MISTE.,
HOD / Metallurgy,
Sakthi Polytechnic College, Sakthi Nagar – 638315.

Program Coordinators:

Mr. P. GOVINDARASU. B.E. MISTE., - 9952646663.
Mr. J. YUVARAJA. M.E. SMISME., - 9042224200.

Note:

Class mode: Direct Classroom mode (During College working days)
Venue: NDT Lab, Department of Metallurgy, Sakthi Polytechnic College.



SAKTHI POLYTECHNIC COLLEGE

A Government Aided Polytechnic College
Approved by AICTE & Affiliated to DOTE Chennai.
A Unit of Sakthi Foundation | Established in The Year 1981.



DEPARTMENT OF METALLURGY



&
QUEEN INDIA NDT INSTITUTE (ENGINEERING SERVICES)



Jointly Organise level-II certificate training course on

NON-DESTRUCTIVE TESTING



About Institution

Sakthi Polytechnic College has been sponsored by the Sakthi foundation as one of its developmental programmes. The main aim of this institution is to impart technical education among the rural youth. Padma Bhushan Dr.N. Mahalingam, the famous industrialist and educationalist was the promoter and president of the foundation. Sakthi polytechnic college started functioning in September 1981.

Vision

To excel in imparting Value Based Technical Education to produce industry competent engineers and socially responsible citizens.

Mission

- To impart transformative technical education through innovative teaching and learning methodologies
- To enhance academia-industry partnership through internships and by collaborative projects.
- To impart requisite skills to enhance employability and entrepreneurship.
- To instill ethical and moral values to make them disciplined and socially responsible citizens.

About Department

The Metallurgical Engineering is an ancient engineering field which laid the foundations for the development of other engineering fields. Metallurgical engineers play a vital role in development of materials for so many applications in various engineering fields. The department aims at producing quality engineers with sound technical knowledge and awareness of the latest advancements in existing and emerging technologies. With pride we state that ours is the only polytechnic college in Tamil Nadu offering diploma in Metallurgy with full-fledged support of a fully mechanized foundry division.

Vision

To achieve Global excellence in imparting Quality Technical education and practical skills in Metallurgy and sustained improvement in technical training for the welfare of society.

Mission

- To develop students from fundamental knowledge to enriched application-oriented knowledge in Metallurgy engineering to meet the needs of Industries and Higher education Institution.
- Motivating and arranging students to attend / participate in Workshops, Seminars and Technical quiz to get updated knowledge about recent trends and developments in the field of Metallurgy.
- Interacting with Industries to create openings for our students to acquire practical knowledge through Industrial visits, In-plant trainings, and project works.

About Course

Non-destructive testing (NDT) or Non-destructive examination (NDE) is the process of analysing materials, components, or systems to obtain information about their physical and mechanical properties, without compromising their integrity. NDE is widely used for the assessment of structural integrity of buildings, airplanes, and bridges; analysis of technology products at various stages such as prototype testing, hardware development, life-cycle management, and maintenance; characterization of natural resources; monitoring of new equipment or facility technology.

List of testing modules:

- Liquid Penetrant Test (LPT)
- Ultrasonic Test (UT)
- Magnetic Particle Test (MPT)
- Radiography Test (RT)