

ABOUT THE INSTITUTE

Madras Institute of Technology is one of the premier technical institution started in the year 1949 by Shri. C. Rajam, an eminent industrialist. The institute is established as a result of a bold experiment in technical education as it introduced for the first time, totally unconventional Engineering courses such as Aeronautical Engineering, Automobile Engineering, Electronics Engineering and Instrumentation Engineering. It was merged with Anna University in the year 1978.

DEPT. OF PRODUCTION TECHNOLOGY (MIT)

The Department of Production Technology was started in the year 1977. Presently department conducts two UG programmes: B.E. (Production Engg.) and B.E. Robotics and Automation) as well as two PG programmes: M.E. (Manufacturing Engg.) and M.E. (Mechatronics), besides PhD programme. The department is sanctioned with TANII 2020 project towards the development of semi and fully automated intelligent exo-skeletal and prosthetics for disabled communities. The department is progressing toward societal benefit projects involving indigenous manufacturing, mechatronics and automation as well as interdepartmental research.

DEPT. OF ELECTRONICS ENGINEERING (MIT)

The Department of Electronics Engineering was established in the year 1949, has its core strength in the leading areas of Electronics & Communication. The academic programmes offered in the Department are B.E (Electronics and Communication Engineering), M.E (Communication and Networking, VLSI Design and Embedded Systems & Wireless Technologies).

DEPT. OF CERAMIC TECHNOLOGY (A.C TECH)

The growth of Ceramic industry in India during the past 75 years is commendable. The growing demand for trained manpower in Ceramic industry led to the launch of M.Tech degree programme in Ceramic Technology under the Department of Chemical Engineering in Anna University during the academic year 1990-91 with the seed money from M/s Carborundum Universal Ltd, Chennai. During the academic year 1996-97, B.Tech degree programme in Ceramic Technology was started.

WORKSHOP CONTENTS

The following topics will be covered,

1. Introduction to Laser Technology, basics and types of laser used in machines (CO₂, Fiber, Nd: YAG), Principles of Laser Cutting, Interaction of laser and materials.
2. Laser cutting machines on Components: Laser source, optics, and CNC system and assist gas delivery.
3. Design for Laser Cutting, CAD/CAM Integration file formats and nesting for material optimization.
4. Process Parameters & Optimization, Effect of laser power, speed, focus, and gas pressure, Common defects (burr, taper, rough edges) and their remedies Quality measurement (surface roughness, dimensional accuracy)
5. Hands-on- Session, cutting complex geometries, Real time Trouble shooting and Prototype development by participants.

ABOUT REGISTRATION

- Registration Fee: Rs.590/- (Inclusive of 18% GST)
- Number of seat is restricted to 40
- Selection will be based on first come first serve basis
- Participants will be provided with refreshments. Participants have to make their own arrangements for accommodation and Lunch.
- Selected candidates will be intimated by e-mail only. Confirmation of participation is to be made by email

Send the duly filled in Registration form to the Coordinator(s) by post and email.

To
Dr. P. GANESH,
Coordinator,
Associate Professor
Dept. of Production Technology
MIT Campus, Anna University.
E Mail: taniimit2021@gmail.com

Physical Mode - Two Days Workshop on

**“Laser Cutting for Modern
Manufacturing”**
06th & 07th November 2025

REGISTRATION FORM

Coordinators

Dr. P. Ganesh

Dr. K. Kalaichelvan

Dr. V. Sathiesh Kumar



In association with

M/s. Meera Laser solutions, Chennai

Organized by TANII Project Team
of

**Department of Production Technology
(MIT), Anna University
Department of Ceramic Technology
(A.C.Tech) Anna University
&
Department of Electronics Engineering
(MIT), Anna University**

**Physical Mode Two Day
Workshop
on
“Laser Cutting for Modern
Manufacturing”
06th & 07th November 2025**

1. Name :
(in capital)
2. Designation :
3. Qualification :
4. Age & D.O.B:
5. Professional experience(in years)
Teaching :
Industrial :
6. College/Industry Name:
- 7.Address of the College/Industry :
8. Research interest :
9. Mobile No :
10. E-mail :

I hereby declare that all the details furnished by me are true to the best of my knowledge.

Signature of the Applicant

**CERTIFICATE FROM
HEAD OF THE INSTITUTION**

Dr./Mr./Mrs. _____ is a Faculty/Student member of our institution. He/She will be permitted to attend the programme if selected.

Signature of the Head of Institution/Organization with seal

**For further details, contact
TANII Team,**
Dept. of Production Technology,
MIT Campus, Anna University
Chennai- 600 044
Contact No. 044 2251 6367
Workshop application E-mailed to
taniimit2021@gmail.com

LOCATION

Madras Institute of Technology is located in Chrompet, Chennai, Tamil Nadu, India and the campus is adjacent to Chrompet railway station.

IMPORTANT DATES:

Application Deadline : 03.11.2025
Intimation of Selection : 04.11.2025
Confirmation by Participants: 05.11.2025

ACCOUNT DETAILS:

Account Holder Name: **DIRECTOR, CSRC**
Account No: **30061247489**
Bank Name: **STATE BANK OF INDIA**
Branch Name: **Anna University, Chennai, A.U. College**
IFSC Code: **SBIN0006463**

ORGANIZING COMMITTEE

Chief Patron : CONVENER COMMITTEE MEMBERS,
Anna University, Chennai.

Patron : Dr. J. PRAKASH,
Registrar
Anna University

Co-Patron : Dr. P. JAYASHREE,
Dean, MIT Campus
Anna University

Convener : Dr. J. JANCIRANI,
Professor and Head,
Dept. of Production Technology
MIT Campus, Anna University

Dr. P.T.V. BHUVANESWARI
Professor and Head
Dept. of Electronics Engg.
MIT Campus, Anna University

Dr. D. THENMUHIL
Professor,
Dept. of Ceramic Technology
A.C.Tech Campus, Anna University

Coordinators:

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