

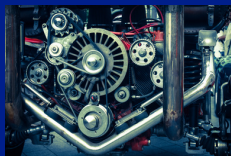
# AITP-2024

THREE DAYS ALL INDIA TRAINING PROGRAM  
ON

INDUSTRIAL METAL FINISHING  
AND ALLIED TECHNOLOGIES FOR  
AEROSPACE & AUTOMOTIVE  
INDUSTRIES

DATE: 16-18TH JANUARY 2024

VENUE: MATERIALS ENGINEERING  
SEMINAR HALL INDIAN INSTITUTE  
OF SCIENCE CAMPUS, BENGALURU-  
560012 ORGANIZED BY



THE ELECTROCHEMICAL SOCIETY OF INDIA  
Indian Institute of Science Campus, Bengaluru-560012

**President** : Dr. ST Aruna  
**Course Director** : Shri. Deepak Parab  
**Convener** : Dr. Tharamani CN  
**Co-Convener** : Dr. TM Sridhar  
**Industry visit convener** : Mr. PG Chandramani  
**Gen. Secretary** : Dr. Ajay Krishnan  
**Treasurer** : Dr. JN Balaraju

## INTRODUCTION

The Electrochemical Society of India (ECSI) housed at the Indian Institute of Science regularly organizes comprehensive courses on different technical areas of electrochemistry. Metal Finishing is one of the most sought-after courses of ECSI from industry. The participants are introduced to the field of metal finishing and taught the specifics in a comprehensive manner. Specialist speakers are drawn from the industries. Their experience and expertise will help the delegates to get the knowledge of metal finishing and allied technologies in a short time. Also, it helps in networking with the professionals of various fields for consultation on technical issues in future also.

This year, the program is designed to include fundamentals and practical applications of metal finishing and allied technologies. Special attention is given to the design of the metal finishing & allied plating technologies course to fulfill the requirements of Aerospace and Automotive industries. A special session on the certification of the coatings for aerospace applications is also targeted.

To combat the currently prevailing and targeted strict environmental regulations, this course also aims to introduce and address the environmental challenges involved in electroplating and allied technologies and ways to overcome them.

## TOPICS TO BE COVERED

- Metal Finishing for Engineers
- Electroplating & Surface Finishing
- Zinc, Copper, Nickel Chrome & Zn-Ni Plating
- Precious Metals Plating
- Conversion Coatings and Anodizing of Aluminum & its alloys for Aerospace Industry
- Electroless Plating
- Pre-treatment Processes
- Engineering Aspects for Surface Finishing
- Metal Finishing for Automotive Components
- Paint and Powder Coating
- Thermal Spray Techniques
- Modern Developments in Industrial Metal Finishing
- Automation in Metal Finishing
- Corrosion, Failure Analysis and Prevention
- Environmental Challenges in Electroplating and Alloy Plating
- Pollution Control and Prevention
- Wastewater Treatment
- Certification of Plating Processes

## REGISTRATION FEE:

Individuals	: ₹. 7,500/-
Members of ECSI/ MFAI	: ₹. 6,000/-
College / University Teachers	: ₹. 4,000/-
Student	: ₹. 3,000/-
Company Registration (For 4 Delegates)	: ₹. 25,000/-
Company Sponsor 7 Free Registration	: ₹. 1,00,000/-
Company Co-Sponsor 5 Free Registration	: ₹. 75,000/-

## Bank Account details for NEFT:

The Electrochemical Society of India,  
Bengaluru Bank Details:

Canara Bank | A/c. No: 068310100 1616

IFSC Code: CNRB0000683, Branch:

IISc Bengaluru

For Queries: [ecsiisc@gmail.com](mailto:ecsiisc@gmail.com)/

Mobile: 9945105791/9686543725

## PROGRAMME

Registration: 8.30 – 9.00 AM

All lectures will be held between 9.30  
and 5.30 p.m. on all days of the Training  
Program

The second day afternoon will be  
dedicated to industrial visit. ECSI will  
arrange the required transport facilities  
from IISc to the venue and back to IISc.

**FOR ANY OTHER INFORMATION,  
PLEASE CONTACT:**

**MAILING ADDRESS FOR REGISTRATION  
DETAILS**

Convener & President / Gen. Secretary, ECSI  
The Electrochemical Society of India, Indian  
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