

PROFESSIONAL TRAINING PROGRAMME

ALLOY DESIGN & THERMO-MECHANICAL PROCESSING (ADTP-21)

Dates: *November 22-25, 2021*

Organized by



CSIR-National Metallurgical Laboratory, Jamshedpur

SESSIONS OVERVIEW



- Materials, processes and selection
- Concept of alloy design (AD)
- Fundamentals of thermo-mechanical processing (TMP)
- Forming processes
- TMP of special steels and non-ferrous alloys
- Concept of high entropy alloys and related TMP
- Alloy design and post processing of AM materials
- Computational approaches for alloy design
- Demonstration of thermodynamic and kinetics software packages for alloy design
- Physical simulation using Gleeble thermo-mechanical simulator and industrial applications

Registration Link: <https://tinyurl.com/ADTP-NML>

Contact

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About CSIR Integrated Skill Initiatives

- To utilize CSIR knowledgebase and infrastructure for contributing to national skill mission.
- To implement special up-skilling/training programs for industrial and societal benefits.
- To promote entrepreneurship/technopreneurship in CSIR through Skilling, Training of Trainers and Incubation Facilities.



About CSIR-National Metallurgical Laboratory

- CSIR-NML is a premier Indian research organization dedicated to various facets of Minerals, Metals, and Materials – science, technology, industrial services, and human resource development.
- The Laboratory has made notable contributions in the areas of mineral beneficiation and agglomeration, ferrous and nonferrous metallurgy, alloy development and processing, materials science & engineering and resource conservation & environment.

Course Fee

₹4000 + ₹720 (GST)

(50% discount for MSMEs & Students)

BANK DETAILS

Beneficiary: Director CSIR-National Metallurgical Laboratory
Bank: State Bank of India
Branch: NML Branch
Account No: 30271713826
IFSC code: SBIN0003329

Course Coordinators

Dr. Gopi Kishor Mandal

Principal Scientist, CSIR-NML

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Senior Principal Scientist, CSIR-NML

Training Coordinator

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