SELF SPONSORED SHORT TERM TRAINING PROGRAM (STTP) (HYBRID MODE)



MANIT BHOPAL

4th-8th January 2027

PATRON	HEAD OF DEPARTMENT
Dr. K.K. Shukla Director, MANIT Bhopal	**Dr. Sunder Lal Pal** Associate Professor Department of Chemical Engineering, MANIT Bhopal

COORDINATORS

- **Dr. Kajal Mishra** (Asst. Prof.), Department of Chemical Engineering
- **Dr. Maurya Gyanprakash** (Asst. Prof.), Department of Chemical Engineering
- **Dr. S. Suresh** (Asso. Prof.), Department of Chemical Engineering

Organized by

Department of Chemical Engineering, MANIT Bhopal,
Link Road Number 3, Near Kali Mata Mandir,
Bhopal, Madhya Pradesh, India – 462003

in association with

CRISP Bhopal
ISO-PMT-2001

"SUSTAINABLE CRITICAL MINERALS FOR CLEAN ENERGY" (CM-CLEAN 2027)

ABOUT STTP

A Short-Term Training Programme (STTP) is a focused course that helps people learn new skills. It connects what is taught in colleges with the latest needs of industry and the environment. An STTP is self-sponsored, which means it runs on the registration fees paid by participants. This keeps the organizing institute financially independent. Participants also receive recognized credentials that strengthen their resumes. It is held in a flexible online format. The STTP brings together faculty members, research scholars, postgraduate students and industry engineers to build skills in high-demand, interdisciplinary fields. Learning happens through expert lectures, practical software demonstrations, case studies and interactive Q&A sessions.

The upcoming online STTP, titled "Sustainable Critical Minerals for Clean Energy: Lifecycle Assessment and Decarbonization Pathways" (CM-CLEAN 2027), addresses the global shift towards sustainable energy systems and secure supplies of raw materials. Over five intensive days, the program covers the extraction and processing of critical minerals such as Lithium, Cobalt, Nickel and Rare Earth Elements. It also offers hands-on training in Life-Cycle Assessment (LCA) using software tools, and practical decarbonization ($DECO_2$) pathways, along with circular economy and recycling strategies. To run it smoothly, the organizing team will host live online sessions with domain experts from leading institutions (such as IITs, NITs and CSIR laboratories) and industry specialists from organizations like CRISP.

CM-CLEAN 2027



ABOUT THE INSTITUTE

Maulana Azad National Institute of Technology (MANIT), Bhopal, was established in 1960. It is an autonomous Institute of National Importance, funded by the Ministry of Education, Government of India. Spread over a green campus of 650 acres, it is one of the country's leading technical institutions. It offers undergraduate, postgraduate and doctoral degrees in engineering, architecture, management and applied sciences. MANIT is recognized across the world for its modern research facilities, distinguished faculty and strong collaborations between industry and academia.

DEPARTMENT OF CHEMICAL ENGINEERING

The Department of Chemical Engineering at MANIT Bhopal is a hub of academic excellence and modern technological research. It was set up to promote innovation in process engineering, sustainable technology and clean energy. The department offers complete undergraduate, postgraduate and doctoral programs. It has advanced laboratories in reaction engineering, separation processes and environmental technology. It is also actively involved in cutting-edge research on decarbonization, nanomaterials and renewable energy systems.

Address for Correspondence

Department of Chemical Engineering, MANIT Bhopal,
Link Road Number 3,
Near Kali Mata Mandir, Bhopal,
Madhya Pradesh, India – 462003

www.manit.ac.in

Registration Form

Scan to open Google Form

TECHNICAL SESSIONS & REGISTRATION

CONTENTS

- Day 1 Electrolyser
- Day 2 Fuel Cell
- Day 3 LCA
- Day 4 Metal Extraction
- Day 5 Sustainability

REGISTRATION

S. No.	Participants	Amount
1	Diploma/UG/PG/PhD Students	Rs. 500/-
2	Faculty of Academic/Institutes and R&D organization	Rs. 1000/-
3	From Industry	Rs. 2500/-

▶ **Registration forms are available on the institute website www.manit.ac.in.**

PAYMENT DETAILS

The last date for registration is 3rd January 2027.

Details of Money-Transfer by net-banking:

Account Name: Director MANIT Bhopal **Account No. 10020150107**
Bank Name: State Bank of India **IFSC Code: SBIN0001608**
Bank Address: MANIT (MACT) Bhopal

In net banking money transfer please clearly mention narration in remark column as "Registration fee for CM-CLEAN 2027". All copy of registration form will be submitted in given E-mail: kajalm@manit.ac.in

or

The completed registration form may be sent along with Demand Draft payable in favour of "Director, MANIT Bhopal", payable at S.B.I, MANIT Bhopal Branch.