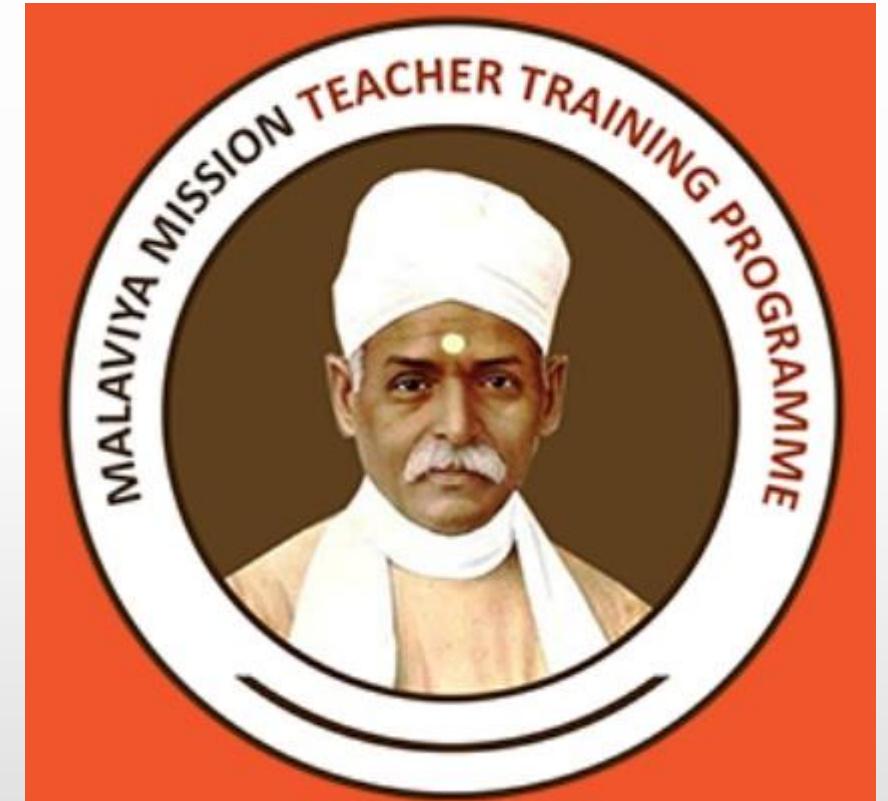


# Malaviya Mission Teacher Training Centre

Indian Institute of Technology  
(Indian School of Mines) Dhanbad

# Introduction

- The National Education Policy (NEP) 2020 underscores the need for motivated, energized, and capable faculty in Higher Education. The capacity building for teachers at all levels is a key focus.
- Malaviya Mission Teacher Training Programme (MMTTP) aims to implement this NEP recommendations, focusing on quality teaching, equity, online education, technology use, Indian language promotion, vocational education, and multidisciplinary education.
- For more details, please visit <https://mmc.ugc.ac.in/>



# Programmes conducted by MMTTC, IIT(ISM) Dhanbad

Year 2023-24		
S. No.	Title of Programme	Mode
1	NEP Orientation & Sensitization Programmes	Online
2	Nurturing Future Leadership Programme – I	Residential

# Programmes conducted by MMTTC, IIT(ISM) Dhanbad

Year 2024-25		
S. No.	Title of Programme	Mode
1	NEP Orientation & Sensitization Programmes	Online
2	Nurturing Future Leadership Programme – II	Residential
3	Refresher Course on Ray Crystallography and X-Ray Photoelectron Spectroscopy (XPS) with Density Functional Theory (DFT) Calculations!	Residential
4	Short Term Programme on High-Efficiency, Low-Emissions Clean Coal and Carbon Capture, Utilization and Storage Technologies	Residential
5	Refresher Course on Advanced Concepts in Biophysics and Soft Matter: Foundations and Frontiers	Residential
6	Nurturing Future Leadership Programme – III	Residential
7	Refresher Course on Research, Writing, and Analysis	Online
8	Faculty Induction Programme	Residential
9	Short Term Programme on Fundamentals of Online Experimentation: Empowering Humanities, Management and Social Science Researchers	Online
10	Short Term Programme on Research Methodology & Data Analysis	Online
11	Nurturing Future Leadership Programme – IV	Residential
12	Short Term Programme on Climate Change, Energy Resources And Natural Hazards	Online
13	Nurturing Future Leadership Programme – V	Residential
14	Refresher Course on Atom to Device Understanding of Emerging Semiconductor Technology	Online
15	Refresher Course on Computational Fluid Dynamics in Engineering	Online

As of March 2025,

- Total Beneficiaries of all programmes together - **2263**.
- Total Participating Institutions (all over India) - 550
- Total Residential programmes conducted - 11
- Total Online Programmes conducted - 36

# Programmes conducted by MMTTC, IIT(ISM) Dhanbad

Year 2025-26					
S. No.	Title of Programme	No. of Days	Mode	Dates	Link to Register
1	NEP Orientation & Sensitization Programmes	8	Online	01 Apr 2025 – 31 Mar 2026 (Two 8-day programmes per month)	<a href="https://mmc.ugc.ac.in/Login/Index">https://mmc.ugc.ac.in/Login/Index</a>
2	Surface Engineering: Principles, Techniques and Characterization	6	Online	22-27 June 2025	
3	Photonic Quantum Key Distribution Network and its Realization	6	Online	25-30 June 2025	
4	Blockchain and Cybersecurity for Cyber Threat Prevention	6	Residential	07-12 July 2025	
5	Current Trends in Metal Additive Manufacturing	12	Online	07-18 July 2025	
6	Petroleum Production –Operational Challenges and its Mitigation	6	Online	14-19 July 2025	
7	Recent Advances in Smart Materials for Energy, Environment and Biomedical Applications	12	Online	01-12 Aug 2025	
8	Fluid Mechanics in Action: Principles, Advances, and Applications	12	Online	15-26 Sept 2025	
9	Nurturing Future Leadership Programme-VI	5	Residential	06-10 Oct 2025	
10	Advances in Carbon Capture and Utilization Technologies: Bridging Science and Practice	6	Online	27 Oct - 01 Nov 2025	

(Continued on the next page)

# Programmes conducted by MMTTC, IIT(ISM) Dhanbad

Year 2025-26					
S. No.	Title of Programme	No. of Days	Mode	Dates	Link to Register
11	Advances in Net-Zero Energy Applications	6	Online	03-08 Nov 2025	<a href="https://mmc.ugc.ac.in/Login/Index">https://mmc.ugc.ac.in/Login/Index</a>
12	Research Methodology and Academic Writing	12	Online	03-14 Nov 2025	
13	Wavelet Analysis and Applications	6	Residential	10-15 Nov 2025	
14	Nurturing Future Leadership Programme-VII	5	Residential	17-21 Nov 2025	
15	Alloy Design and Processing: Experimental, Simulation And Machine Learning Approaches	6	Online	21-26 Nov 2025	
16	Mathematics for AI/ML and Data Science	12	Residential	01-12 Dec 2025	
17	Deployment of Advanced Semiconductor devices, Microelectronics and VLSI for proficient Embedded System Design	12	Residential	11-22 Dec 2025	
18	Nurturing Future Leadership Programme-VIII	5	Residential	12-16 Jan 2025	
19	Mathematical Foundations of Sampling Theory in Signal Processing	6	Online	Jan 2026	
20	Statistical Modelling Through Simulation In R	6	Residential	Jan/Feb 2026	
21	Nurturing Future Leadership Programme-IX	5	Residential	09-13 Mar 2026	