MALAVIYA MISSION TEACHER TRAINING PROGRAMME

शिक्षा मंत्रालय
MINISTRY OF EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

An Institute of National Importance

MALAVIYA MISSION TEACHER TRAINING CENTRE

Established under the Scheme of MMTTP, University Grants Commission (UGC), Ministry of Education, Government of India

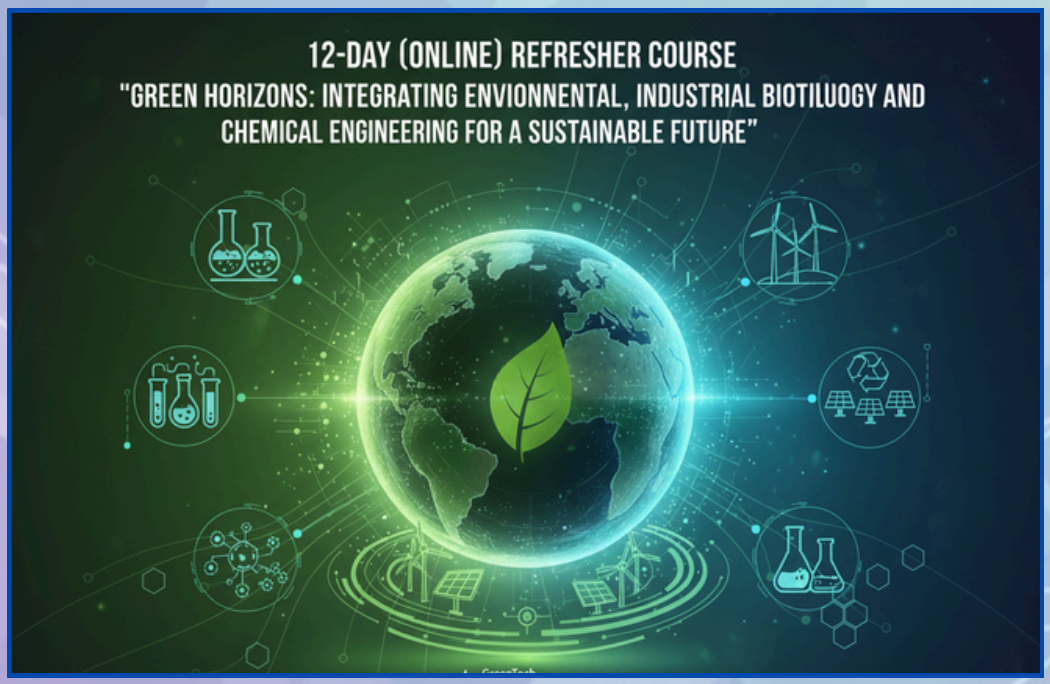
12-Day (Online) Refresher Course on

Green Horizons: Integrating Environmental, Industrial Biotechnology and Chemical Engineering for a Sustainable Future

19 - 31 January 2026

Course Description:

This refresher course on “Green Horizons: Integrating Environmental, Industrial Biotechnology and Chemical Engineering for a Sustainable Future” aims to enhance knowledge and skills in sustainable process design, green technologies, and bio-based innovations. The programme will explore interdisciplinary approaches combining biotechnology, chemical engineering, and environmental science to address global sustainability challenges. Participants will gain insights into emerging areas such as bioelectrochemical systems, circular bioeconomy, waste valorization, and clean energy production.



Scan the QR code to Register

Last date for Registration: 10-01-2026

NO REGISTRATION FEE

Course Content:

- Circular Bioeconomy and Resource Recovery:
- Sustainable Bioprocess Engineering
- Green Chemistry and Clean Process Technologies
- Industrial Wastewater Treatment Using Biotechnological Approaches
- Biorefineries and Integrated Biomass Conversion
- Microbial and Enzymatic Innovations in Industrial Biotechnology
- Hybrid Bioelectrochemical Systems for Nutrient and Metal Recovery
- Nanotechnology and Catalysis for Environmental Applications
- Sustainable Energy Systems: Bioenergy, Hydrogen, and Beyond
- Bioelectrochemical Systems for Waste Valorization
- Microbial Electrolysis and Electrosynthesis for Green Chemical Production
- Real-Time Environmental Monitoring Using BES-Based Biosensors

Resource Persons for this program:

Faculty members from NIT Warangal and Academicians in the concerned field from IITs, NITs and Industry Experts will be invited to deliver lectures in the program.

Course duration:

Course duration: There will be 12 days (19–31 January 2026, excluding 26th January) (72 hours) of engagement, including live sessions, hands-on sessions, assignments, etc.

Certification criteria:

The participants must maintain 80% of Attendance, need to submit Assignments in time, and qualify in the final exam with 60% of marks. Candidates will be issued certificates on successful completion of the course.

Who can apply ?

Faculty members in Central, State, Deemed to be Universities, Private Universities, Institutions of National Importance, Colleges and other HEIs; Contractual, Ad-hoc, Guest faculty Teachers and Research Scholars (Ph.D. level) in HEIs etc. are eligible. Preference will be given to first-come first-served basis.

Selection Criteria:

Selection will be done based on first-come first-served to a maximum number of 50 Faculty/industry participants. PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. There is **No Registration Fee** to attend this program.

Note: This Program shall be considered for regularization/ Career Advancement Scheme (CAS). As per UGC guidelines, attending Online Courses under MMTTP, UGC will be treated as on duty/duty leave.

About MMTTC of NIT Warangal:

The Malaviya Mission Teacher Training Centre (MMTTC) was established at NIT Warangal in the year 2015 under the scheme "Malaviya Mission on Teacher Training Programme (MMTTP)" sponsored by the University Grants Commission (UGC), Ministry of Education, Government of India. Since its inception, the Centre has successfully organized various programs in the form of NEP Orientation programs, Short-term programs, Refresher Courses, FDP programs and one-month duration Faculty Induction Program (FIP) for Higher Education Faculty in various theme areas of Science and Technology, Humanities and Social Sciences from which more than 8000 participants have benefitted. Other activities of the MMTTC include offering online courses, curriculum design, carrying out research in educational technology and pedagogy and integrating ICT into the Teaching-Learning process. The MMTTC NIT Warangal has been conducting various programs, online and offline following MMTTP Guidelines and UGC Regulations.

How to Apply? :

Interested participants are required to register by using the online form, link provided below, on or before Last Date. There is **NO REGISTRATION FEE.** It is mandatory to submit the **Nomination Form** from your organization to consider your application.

Registration link: https://mmc.ugc.ac.in/registration/Index

or through Google Form: https://forms.gle/P2JkrUXNCYTUZjP99

Program Coordinators

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Important Dates:

Last Date of Application: 10th January 2026

Intimation of Selection: 11th January 2026

MALAVIYA MISSION TEACHER TRAINING CENTRE

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Prof. M. Sailaja Kumari
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Head, Centre for Training and Learning
NIT Warangal

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