

5-days 3rd Short-term

Program

on

Waste Management, Treatment and Valorization (WMTV'25)

organized by the



Department of Chemical Engineering

National Institute of Technology, Durgapur

September 18 –22, 2025

September 23- Industrial visit
(optional)

Venue (Seminar Room of the
Department in a **Hybrid Mode**)
Room No-211, 1st floor

Register Now!

Program Highlights:

Effective waste management is critical for sustainable development and environmental preservation. This comprehensive 5-day short-term program aims to delve into the latest strategies, technologies, and innovations in waste management, treatment, and valorization. Participants will gain in-depth knowledge and practical insights from renowned experts in the field, enhancing their ability to address real-world environmental challenges.

Join us to:

- Explore cutting-edge waste management practices.
- Understand advanced treatment technologies.
- Learn about transforming waste into valuable resources.
- Network with leading academicians, researchers, and industry professionals.

Why Attend?

- Learn from Renowned Experts: Hear from top academics and industry professionals specializing in waste management and valorization.
- Hands-on Learning: Engage in interactive sessions, case studies, and workshops to deepen your practical understanding of advanced waste treatment technologies.
- Networking Opportunities: Connect with academia, research, and industry peers.
- Cutting-Edge Insights: Explore current trends and future directions for waste management, resource recovery, and sustainable technologies.

NIT Durgapur at a glance:

National Institute of Technology Durgapur (NIT Durgapur) is one of India's premier institutions, renowned for its excellence in engineering, technology, and research. Established in 1960 as one of the first eight Regional Engineering Colleges (RECs) in India, NIT Durgapur has since evolved into a hub of academic excellence and innovation. The institute is recognized as an Institute of National Importance under the National Institutes of Technology Act, 2007.

Located in the industrial city of Durgapur in West Bengal, NIT Durgapur boasts a sprawling 187-acre campus equipped with state-of-the-art infrastructure, modern laboratories, and extensive research facilities. The institute offers a wide range of undergraduate, postgraduate, and doctoral programs across various disciplines of engineering, science, and humanities.

NIT Durgapur is dedicated to fostering a research-driven culture and has established strong collaborations with leading industries, research organizations, and academic institutions both in India and abroad. The institute is committed to advancing knowledge and addressing contemporary global challenges through cutting-edge research, innovation, and sustainable practices.

Overview of the Department:

The Department of Chemical Engineering of National Institute of Technology, Durgapur, was established with active support of UNESCO. The department was built up by a team of dedicated faculty members with the help of a host of visiting professors deputed by UNESCO to NIT Durgapur.

Some of the faculty members were trained abroad under UNESCO programme, and several equipment and instruments

were donated by UNESCO to the department. The B.E. course in Chemical Engineering course, 10 seats are available in regular full-time course with duration of 1.5 years, while 10 seats are reserved for part-time students from industries with a course duration of 3 years. Curriculum and syllabi of the courses offered were continuously updated over the years to keep pace with rapidly changing technological developments. Since 1999 new curricula and syllabi were implemented in the college for undergraduate studies.

Esteemed Resource Persons:

Learn from and interact with leading experts in the field:

Prof. S. Datta, Ex Professor, Jadavpur University
Prof. S. De, IIT Kharagpur
Prof. B. C. Meikap, IIT Kharagpur
Prof. P. Bodake, Dr. Balasaheb
Sawant Konkan Krishi Vidyapeeth
Prof. M. Singh, Kabi Nazrul
College
Prof. B.N. Prasad, NIT
Jamshedpur
Prof. D. Maiti, Biswa Bangla
University
Prof. J. Biswas, Kalyani
University
Prof. K. Acharya, CU
Prof. D.D.G. Mandal, NIT Durgapur
Dr. B. Bhunia, NIT Agartala
Prof. G. Halder, NIT Durgapur
Prof. S. Dutta, NIT Durgapur
Dr. J. Sikder, NIT Durgapur
Prof. N. Mondal, BU
Prof. S. Mandal, BU

How to reach NIT Durgapur:

The Institute is located about 160 km north-west of Kolkata on the Howrah-Delhi Main Railway Route and overlooking the National Highway No. 2 (the Great Grand Trunk Road) and 8 km from Durgapur Railway station via City Centre near Gandhi More. For more information, you may please visit our institute website: <http://www.nitdgp.ac.in>

Who Should Attend?

1. Academicians: Professors, lecturers, and educators seeking to update their knowledge and curriculum.
2. Research Scholars and Students: Individuals pursuing research or studies in environmental engineering, chemical engineering, and related fields.
3. Industry Professionals: Practitioners in waste management, environmental sustainability, and related industries.
4. Policy Makers and Consultants: Individuals responsible for formulating and implementing waste management policies and solutions.

Student Participation:

A live model or poster presentation will be conducted for the student delegates based on the themes mentioned earlier in the programme session. The prizes will

be distributed to the winners. The interested students will fill the google form same registration link

<https://forms.gle/HYtimr95jx8UN1GT7>

Key topics covered:

Programme Sessions will focus on the theme of Waste management, treatment and valorization and the following broad themes will be covered with interaction through Plenary Sessions, Invited Lectures and some model/poster presentations. The following topics but not limited to are to be covered:

- Solid waste management
- Waste valorisation
- Sustainable development
- Waste water treatment
- Industrial biotechnology
- Green Technology
- Modelling, Simulation, and scale-up
- Agrochemical technology
- Novel Separation Techniques
- Energy and Environmental Policy Issues
- Process Development
- Chemical and Fertilizer Technology
- Membrane Separation Processes
- Biochemical and Bioprocessing

Registration Details:

Registration Fees:

- Industry Professionals: [Rs. 5000]
- Participants from outside NIT: [Rs 2000]
- Online participants: Rs 1500
- Research Scholars/Students: [1500]

Fee Includes:

- Access to all sessions and workshops
- Program materials and resources
- Lunch and refreshments
- Participation certificate
- The accommodation for the participants can be arranged in guest houses and institute hostels subject to the availability of the same on request and on payment basis.

How to Register:

Online: Visit <https://forms.gle/HYtimr95jx8UN1GT7> and complete the registration form.

Payment Methods:

All the payment should be drawn as NEFT/online transfer/UPI in the favour of STP 2024 payable at Durgapur. Bank Account Details Branch Name: SBI Bank NIT Durgapur Account Name: **CEP NIT Durgapur**
Payment in A/c no: 37850318679
IFSC code: SBIN0002108

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