

## Registration via Google Form

We have shifted our registration process to an online Google Form to ensure convenience and faster processing.

Kindly visit the following link to register for the workshop:

<https://docs.google.com/forms/d/e/1FAIpQLSe6OP-78UJ5eyO4MjW-Po2XPyntyu9HSHvMJWK4zfeEY5DK1w/viewform>

Please complete all required fields in the form. Upon submission, you will receive a confirmation email with further details about the workshop.

If you face any issues with the online form, please contact the coordinators via email or phone.



## About the Institution

The National Institute of Technology Mizoram (NIT Mizoram), established in 2010 by the Ministry of Human Resource Development, Government of India, offers B.Tech., M. Tech., and Ph.D. programs and admits students through the All-India Joint Entrance Examination (JEE Main). Nestled in the scenic hills of Aizawl, NIT Mizoram provides a tranquil and inspirational environment for learning. Backed by modern infrastructure, including specialized academic blocks, laboratories, a digital library, hostels, and health facilities, it supports a growing community of aspiring technocrats and researchers. Remarkably, Mizoram is now India's first fully literate state, achieving a 100% literacy rate in 2025, an academic and social milestone that enriches the Institute's peaceful and intellectually vibrant setting.

## How to Reach

Aizawl can be reached by Air via Kolkata / Guwahati. The NIT Mizoram is approximately 35 km far from Lengpui (Aizawl) Airport. Silchar is the nearest railway station to Aizawl. The journey (by road) from Silchar to Aizawl may take approx. 5 hrs. Private Buses (Network, Capital, etc.) are available from Guwahati. The journey from Guwahati to Aizawl by Bus is approx. 24 hrs.

## Workshop on

### Recent Trends in Waste-to-Energy Technologies for a Low-Carbon Future (RTWET-2025)

October 13-17, 2025



Organized by

Department of Mechanical Engineering  
NIT Mizoram, Chaltlang, Aizawl – 796012  
Mizoram, India  
[www.nitmz.ac.in](http://www.nitmz.ac.in)

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## Introduction

Energy is the cornerstone of economic growth, and the rising global population has sharply increased the demand for sustainable, reliable, and affordable energy. The availability of suitable energy sources, the development of environmentally friendly utilization technologies, and energy affordability have become pressing concerns. Waste-to-energy (WTE) technologies are emerging as a viable solution, simultaneously addressing energy needs and waste management challenges. Agricultural residues, municipal solid waste, and other biomass resources offer substantial potential as cost-effective renewable energy sources, yet remain underutilized or inefficiently processed. In this context, a 5-day workshop on “Recent Trends in Waste-to-Energy Technologies for a Low-Carbon Future (RTWET-2025)” is being organized to bring together practicing engineers, academicians, researchers, industry professionals, and policymakers. The event will focus on technological innovations, practical challenges, and opportunities for advancing WTE solutions toward a low-carbon, sustainable future.

## Who can Attend?

Faculty, Scientists, Research Scholars, Students and Persons from Industries.

## Registration Fee

There is no Registration Fee to attend this workshop.

## Accommodation

Accommodation may be arranged based on request on payment basis for limited participants.

## Course Contents

- Waste-to-Energy (WTE) Conversion Technologies
- Biomass Gasification and Pyrolysis for Power Generation
- Integration of WTE with Decentralized Power Systems
- Biofuels - Alternative Energy
- Environmental and Climate Impacts of WTE Solutions
- Policy, Economics, and Circular Economy Approaches in WTE

## Objectives

The prime objective of this workshop is to educate and acquaint participants with the latest developments in Waste-to-Energy (WTE) conversion technologies, with emphasis on biomass gasification, pyrolysis, and the integration of WTE systems into decentralized power generation frameworks. The program will also cover advancements in biofuels as alternative energy sources, assessment of environmental and climate impacts, and the role of policy, economics, and circular economy strategies in scaling WTE solutions. Participants will gain both technical and policy-level insights, enabling them to address current challenges and leverage opportunities in the WTE sector. For faculty and researchers, the workshop will highlight emerging research areas and foster long-term collaborations. For engineers, industry professionals, and policymakers, it will provide practical perspectives for implementing advanced WTE technologies and developing sustainable, low-carbon energy systems.

## How to Apply

Participants willing to attend the workshop should fill out and submit the online registration form via the provided Google Form link. The form must be completed on or before the specified deadline. Confirmation of selection will be sent to participants by e-mail.

Important Dates:

Registration open: 1<sup>st</sup> September 2025

Registration closed: 1<sup>st</sup> October 2025

## Patron

Prof. S. Sundar  
Director, NIT Mizoram

## Coordinator

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