

## ADVISORY COMMITTEE

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### Prof. Vinay Kumar Srivastava

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### Prof. Thomas Yeager

Victoria University, Melbourne, Australia

### Prof. Wolfgang Parak

Professor at the Institute for Nanostructure and Solid-State Physics of the University of Hamburg, Germany

## ABOUT THE INSTITUTE

Motilal Nehru Regional Engineering College was founded by Pt. Jawahar Lal Nehru in 1961 as a joint effort of Govt. of India and Govt. of U.P. in accordance with the scheme of establishment of Regional Engineering College. It has constantly grown and crossed many milestones during its journey in more than four decades towards academic excellence. Presently, it has been reincarnated as Motilal Nehru National Institute of Technology, a Deemed University in 2002 with a view to set higher standards of academic performance and become a leading institution with international recognition in technical education. The institute offers nine undergraduate courses and 22 postgraduate courses in engineering and technology, besides MBA, MCA and Doctoral Programmes in wide areas of specialization. The institute is well equipped with state-of-the-art facilities and offers a congenial environment for research and development activities in almost all the major fields of engineering.

### ABOUT PRAYAGRAJ

The city of Prayagraj is amongst the largest cities in the state of Uttar Pradesh in India and is situated at the confluence of three rivers: Ganga, Yamuna and the mystical Saraswati. The meeting point of these rivers is known as Triveni Sangam. This place has been host to the most recent Mahakumbh Mela in 2025. Famous tourist attractions in Prayagraj also include Bade Hanuman ji Temple, Nagvasuki Temple, Alop Mata Temple, Anand Bhawan, Chandra Shekhar Azad Park and Allahabad Museum. Cities in the vicinity of Prayagraj such as Ayodhya and Varanasi are also major tourist hubs.



### CALL FOR PAPERS

Last date of Abstract Submission : ~~30<sup>th</sup> November 2025~~ 15<sup>th</sup> December 2025

Acceptance of Abstract : 15<sup>th</sup> January 2026

Registration Deadline : 30<sup>th</sup> January 2026

Full Paper Submission : 20<sup>th</sup> February 2026

Abstract Template: [Abstract\\_TISD\\_2026](#)

Conference Website: <https://mnnit.ac.in/tisd2026>

Submission Link: <https://cmt3.research.microsoft.com/TISD2026>

*Full papers submitted within deadline will be published in conference proceedings and selected papers will be published in reputed international journals and books.*

### REGISTRATION

Registration Link: <https://forms.gle/kqnbRsGwM6vb1am7A>

Participation Fee	Indian Delegates (INR)			Foreign Delegates (USD)		
	Fees	GST	Total	Fees	GST	Total
U.G. Students	2,500	450	2,950	200	36	236
P.G./ Research Scholar	4,000	720	4,720	350	63	413
Faculty	6,000	1,080	7,080	500	90	590
Industry	10,000	1,800	11,800	700	126	826

*No refunds will be provided.*

**Accommodation and payment details:** Accommodation will be provided in Institute Guest House/Hostel on Payment Basis. Contact details of nearby hotels/lodges can be provided on demand. All payments should be made through electronic transfer in the account of conference with following details (Please ensure to mention paper ID in the transaction remarks):

Beneficiary Name	NON-FORMALCONTINUING OF EDU
Account No.	10424975574
Bank	SBI, MNNIT Allahabad
IFSC Code	SBIN0002580
SWIFT Code	SBININBB

For conference related queries contact: Dr. Rakesh Kumar; Phone: +91 7887277555

For accommodation contact: Dr. J. N. Gangwar; Phone: +91 7800293707, +91 7905598462

Email: [tisd2026@mnnit.ac.in](mailto:tisd2026@mnnit.ac.in)



TISD

International Institute for Sustainable Development

## 2<sup>nd</sup> INTERNATIONAL CONFERENCE

ON

## TECHNOLOGIES AND INNOVATIONS FOR SUSTAINABLE DEVELOPMENT: BUILDING THE ROADMAP FOR VIKSIT BHARAT 2047

TISD – 2026

4<sup>th</sup> - 6<sup>th</sup> April 2026



Organized by:

Department of Biotechnology

MOTILAL NEHRU NATIONAL INSTITUTE  
OF TECHNOLOGY ALLAHABAD

Prayagraj-211004, Uttar Pradesh, India

## ABOUT THE CONFERENCE

The vision of **Viksit Bharat 2047** calls for a transformative roadmap that integrates technological progress with sustainability and inclusivity. To support this mission, a **2nd International Conference on “Technologies and Innovations for Sustainable Development: Building the Roadmap for Viksit Bharat 2047”** will serve as a global knowledge-sharing platform. This event aims to bring together academicians, researchers, industry leaders, policy makers, development practitioners, and entrepreneurs to deliberate on how disruptive technologies and innovative solutions can address pressing challenges such as climate change, energy transition, food security, sustainable infrastructure, digital empowerment, and equitable social development.

The conference will feature plenary sessions, keynote addresses, technical paper presentations, panel discussions, and innovation showcases that highlight pioneering work in areas such as renewable energy systems, artificial intelligence for sustainability, green manufacturing, climate-tech, circular economy models, rural digital inclusion, and smart city solutions. Special focus will be placed on India's role as a global innovation hub, aligning with national priorities like Atmanirbhar Bharat, Digital India, and Net Zero commitments.

By fostering International collaborations, cross-sector partnerships, and knowledge co-creation, the conference will generate actionable insights and policy recommendations to accelerate India's sustainable development journey. It will also provide a platform for startups, students, and innovators to showcase their ideas, inspiring new approaches that can bridge the gap between technological advancement and inclusive growth. Ultimately, the conference aspires to contribute meaningfully to India's aspiration of becoming a developed, sustainable, and globally competitive nation by 2047.

**Conference Scope:** Topics for TISD-2026 include different themes, but are not limited, to the following:

### 1. Health, Education, and Social Innovations

- Health Tech innovations for accessible healthcare
- EdTech for inclusive and quality education
- Social innovation for rural and tribal empowerment
- Women-led innovations and inclusive development

### 2. Healthcare and Traditional Medicine

- Modern healthcare, lifestyle diseases, AMR
- Traditional & integrative medicine
- Innovations in public health and digital healthcare
- Personalised medicine and immunomodulatory impacts

### 3. Agriculture, Food Security, and Rural Innovations

- Agri-tech and precision farming
- Climate-resilient and sustainable agriculture practices
- Rural entrepreneurship and digital inclusion
- Innovations for water management and irrigation

### 4. Green Energy and Climate Solutions

- Renewable energy technologies (solar, wind, bioenergy, hydrogen)
- Innovations for achieving Net Zero by 2070
- Smart grids and energy storage solutions
- Climate-tech and carbon capture technologies

### 5. Industrial & Environmental Biotechnology, & Circular Economy

- Circular bioeconomy approaches for waste-to-wealth innovations
- Innovations for achieving Net Zero by 2070
- Fermentation technologies for enzymes, bio-based chemicals, and pharmaceuticals
- Synthetic biology and metabolic engineering for novel bio-based products

### 6. Biomanufacturing and Sustainable Production

- Biomaterials for healthcare (hydrogels, scaffolds, nanomaterials)
- Advanced biopolymers replacing petroleum-based plastics
- Customizable biologics production (personalized medicine)
- Carbon capture and utilization through biological routes
- Integration of AI, digital twins, and automation in bioprocessing
- Sustainable manufacturing and Industry 4.0

### 7. Digital Transformation for Sustainable Growth

- Role of AI, IoT, Blockchain, and Big Data in sustainable development
- Digital public infrastructure for inclusive growth
- Cybersecurity and digital sovereignty in Viksit Bharat
- 5G/6G and future communication technologies for development

### 8. Smart Cities and Sustainable Infrastructure

- Green buildings and eco-friendly construction technologies
- Sustainable mobility and green transport
- Water-smart and energy-efficient urban systems
- Smart governance and urban innovation

### 9. Global Partnerships and Policy Frameworks

- International collaborations for sustainable technologies
- Policy and regulatory frameworks for green growth
- Financing sustainable innovation and green investments
- Role of academia-industry-government partnerships

### 10. Youth, Startups, and Innovation Ecosystem

- Startup innovations for sustainability
- Role of youth in driving Viksit Bharat vision
- Incubation, entrepreneurship, and frugal innovation
- Grassroots innovations with global impact
- Frugal and resource-efficient innovations

## PATRON

### Prof. Rama Shanker Verma

Director, Motilal Nehru National Institute of Technology Allahabad,  
Prayagraj-211004 (India)

## CHAIRPERSON & CONVENER

### Prof. Anjana Pandey

Professor, Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Prayagraj; Email: anjanap@mnnit.ac.in;  
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## TREASURER

### Dr. Rakesh Kumar

Assistant Professor, School of Management Studies, Motilal Nehru National Institute of Technology Allahabad, Prayagraj

## ORGANIZING COMMITTEE

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Dy. Librarian, Central Library, MNNIT Allahabad, Prayagraj

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