

### SHORT- TERM COURSE THEME

The short- term course on Emerging Trends in Environmental Engineering for Sustainable Development (ETESD 2025) will focus on the following themes:

- Environmental Pollution, control & Management
- Water and waste water treatment
- Solid waste management and resource recovery
- Ground water remediation
- Environmental System Modelling
- Environmental flow

#### About the Course

Environmental engineering is a sub-branch of Civil engineering that is concerned with the natural resource management, use of water, environmental pollution and human health. Environmental engineer is responsible for improving the quality of environment, public health and developing solutions to minimize the degradation of natural resource and proposes various ways to control pollution, treat wastewater, distribute safe drinking water, manage hazardous waste, etc. There are following objectives of this STC:

- Identify the current environmental issues that the global community is facing and discuss the realistic risk assessment.
- Use the tools of green design for sustainable solutions, helping the students to grasp the concepts of four I's: Inherency, Integration, Interdisciplinary, and International.

#### Communication Desk

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### Chief Patron

**Prof. Samsher**

Hon'ble Vice Chancellor

H.B.T.U. Kanpur

### Patron

Prof. Dipteek Parmar

Pro-Vice Chancellor, HBTU, Kanpur

### Guest of Honour

**Prof. Vinay Pratap Singh**

Dean, School of Engineering

### Organizing Committee

#### Chairman

Prof. Deepesh Singh

Head

Department of Civil Engineering,

H.B.T.U. Kanpur

#### Convener

**Jaiprakash Nayak**

Assistant Professor

### Organizing Committee

Dr. Rajiv Ganguly

Ms. Kajol Priya

Ms. Shivani Koshtha

Dr. Kavita Tandon

Mr. Manish Kumar

Dr. Riya Catherine George



## One Week Online Short Term Course

on

## Emerging Trends in Environmental engineering for Sustainable Development (ETESD- 2025)

**20 - 24 January 2025**



## Organized by

**Department of Civil Engineering**

**Harcourt Butler Technical University  
Kanpur – 208002 (U.P.)**

## About HBTU, Kanpur

Harcourt Butler Technical University, Kanpur (Formerly HBTI, Kanpur) was established in 1921, has a glorious history, and has always been in the forefront for technological developments and growth of industries in the country since its inception. The Institute had its decent beginning as Government Technological Institute, Uttar Pradesh in 1921 with Dr. E. R. Watson as its first Principal. The Institute was renamed as Harcourt Butler Technological Institute in 1926 in the honor of name of Sir Spencer Harcourt Butler, the then Governor of U. P. Degree courses in Oil Technology and Chemical Engineering were started in 1954 and thereafter number of undergraduate and postgraduate courses were started. On March 26, 1965, it was upgraded from a Government Department status to an autonomous Institution. It was upgraded as Harcourt Butler Technical University, Kanpur on September 01, 2016 by Govt. of UP. University spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3.5 kilometers apart.

## About the Department



The Department of Civil Engineering was established in 1966. The department offers a full-time undergraduate programme in Civil Engineering and a post graduate programme in Environmental Science and Engineering. It also offers Ph.D. programme in various specialization of Civil Engineering. The department is amongst the best in the university in terms of practical exposure and university-industry interaction. It has successfully completed several research projects funded by AICTE, New Delhi and UPCST, Lucknow.

Over the years, industrial interaction through consultancy has increased and today the annual external funding in the department is more than 250 lacs. The Department is accredited by the National Board of Accreditation (NBA).

## RESOURCE PERSONS

Subject and field experts from IITs, NITs, NEERI, CPCB and other institute will deliver these lectures.

**Note: There will be no participation fees.**

## WHO CAN ATTEND?

Academicians, faculty members. Engineers, Research Scholars, Consultant, PG and UG students of Chemical, Civil and Environmental Engineering field can participate in the one- week online short- term course.

**E- Certificate will be issued to all the participants who attend all the sessions!**



## REGISTRATION FORM

### Emerging Trends in Environmental engineering for Sustainable Development (ETESD- 2025) (20 - 24 January 2025)

**Full Name: (Block Letters)**

**Designation:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**WhatsApp No:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

## REGISTRATION PROCESS

The registration of participants will be done only through the following link:

**Google Link:** <https://forms.gle/JqTAGb5SRZGFwmhR9>



## IMPORTANT DATES:

**Course Duration:**  
**Jan 20, 2025 to Jan 24, 2025**

**Last Date:**  
**Registration cum submission:**  
**Jan 16<sup>th</sup> 2025**  
**Information (E-mail) to selected**  
**Candidates:**  
**Jan 18<sup>th</sup> 2025**