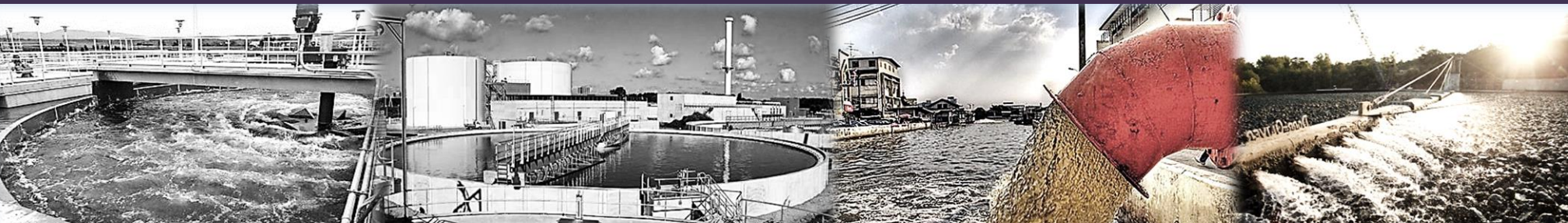


Self Financed

# Online Short Term Course On

# NOVEL APPROACHES IN WASTEWATER TREATMENT (NAWT-2022)

February 01-05, 2022



## BACKGROUND

The world is facing increased water stress, driven by population and economic growth, land use changes, increased climate variability and change, and growing industries declining groundwater supplies and water quality. Water pollution due to toxic metals and organic compounds remains a serious environmental and public problem. Moreover, faced with more and more stringent regulations. Water pollution has also become a major source of concern and a priority for most industrial sectors. It is important to know the potential threats to source water and human beings from waste water discharged by industrial or commercial activities prior to its release into the environment. Wastewater treatment is closely related to the standards and/or expectations set for the effluent quality. Keeping these facts in view, the present course on Wastewater treatment is designed to enlighten the participants about novel and advanced water and wastewater treatment technologies to achieve improvements in the quality of the wastewater.

## TARGET AUDIENCE

U.G./ P.G./ Ph.D students of Chemical/ Civil/ Environment Engineering interested to pursue research in water will be benefited. Faculty, Officers, Engineers and Scientists from Central/state government organizations working for water pollution control and management in different organizations are expected to join this course.

## REGISTRATION FEE

UG and PG Students/ Research Scholars: Rs. 500+18% GST = Rs. 590/-. Participants from Academia/ Industries/ Govt. organization: Rs. 1000+18% GST = Rs. 1180/-

## COURSE OBJECTIVES

- To understand the causes of water pollution and to identify potential threats to water-sources from contamination caused by wastewater.
- To understand the characteristics and analytical aspects of domestic and industrial wastewater.
- To gain familiarity with recent and novel technologies for wastewater treatment (WWT)

## COURSE CONTENTS

- Concepts and sources of water pollution
- Protecting water from wastewater Contaminations
- Water pollution regulations and acts
- Characterization of wastewater and analytical aspects
- Electrochemical oxidation techniques
- Advanced Biological Processes: BET/MFC
- Intensified cavitation approaches
- Advanced oxidation processes
- Phyto-remediation
- Nano-materials in WWT
- Sewage Sludge Treatment

The fee is to be paid through local cheque or demand draft in favour of NAWT-2022, payable at Prayagraj on or before January along with registration form. It can also be transferred online through RTGS/NEFT/SWIFT/IMPS/ any other mode in Account No. 77660200001304 of Bank of Baroda, MNNIT Allahabad (MICR Code: 211012046; IFSC Code: BARB0VJMNRE; SWIFT Code: BARBINBBVRN)

## REGISTRATION LINK

Google form using the URL: <https://rb.gy/wuzqaj>  
OR  
Scan the following QR Code:



## SPEAKERS

The speakers like faculty members from reputed institutes and scientists from field organizations like UPPCB and Consultants in relevant area would be invited so that sound knowledge and technical input are disseminated to the participants.

## MODE OF COURSE

The course will be held in online mode. The short term course will be inaugurated at 11:00 A.M. on February 01, 2022.

## ORGANIZING COMMITTEE

### Patron:

**Prof. Rajeev Tripathi**  
Director, MNNIT Allahabad

### Chairpersons:

**Dr. Sushil Kumar**, Head, ChED  
**Prof. P. K. Mehta**, Head, CED

### Conveners:

**Dr. Sushil Kumar**, ChED  
**Dr. Nekram Rawal**, CED  
**Dr. Ankur Gaur**, ChED

### Coordinators:

**Dr. Harinder Singh**, ChED  
**Dr. Suantak Kamsonlian**, ChED  
**Dr. V. P. Singh**, CED  
**Dr. Pramod Soni**, CED  
**Dr. Dipesh Patle**, ChED

### Treasurer:

**Dr. V.P. Singh**, CED

## ABOUT MNNIT ALLAHABAD

Motilal Nehru National Institute of Technology Allahabad, Prayagraj (MNNIT) is an Institute with total commitment to quality and excellence in academic pursuits. It was established in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh as MNREC, and was an associated college of University of Allahabad. On June 26, 2002 MNREC was transformed into National Institute of Technology fully funded by Government of India. The Institute has been granted the status of institution of national importance w.e.f. 15th August 2007.



## CONTACT ADDRESS:

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## IMPORTANT DATES

Last date for receiving applications: **January 31, 2022**  
Notification of acceptance: **January 31, 2022**  
Last date for registration: **January 31, 2022**

Organized by

Department of Chemical Engineering  
&  
Department of Civil Engineering

Motilal Nehru National Institute of Technology  
Allahabad

