

## ORGANIZING COMMITTEE

**Patron:** Dr. Rajeev Tripathi  
Director, MNNIT Allahabad

**Chairman:** Dr. R.C. Vaishya  
Professor & Head, CED

**Convener:** Dr. Rakesh Kumar  
Professor, CED

**Coordinator(s):** Dr. K. Venkatesh  
Associate Professor, CED

Dr. N. R. Rawal  
Associate Professor, CED

Dr. Goutam Ghosh  
Associate Professor, CED

Dr. Priyaranjan Pal  
Associate Professor, CED

Dr. Shalinee Shukla  
Associate Professor, CED

Dr. Varun Singh  
Associate Professor, CED

Dr. Debolina Basu  
Assistant Professor, CED

Dr. V. P. Singh  
Assistant Professor, CED

### Advisory Committee:

All Faculty Members of Civil Engineering Department.

### **For all Correspondence/Contact:**

#### **Coordinator(s), STIPCE-2020**

Department of Civil Engineering  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj- 211004, India  
Uttar Pradesh

Email: stipcecedmnnit@gmail.com  
Phone: +91 9794937868; +91 8004132416

## OBJECTIVE

An online Summer training cum internship programme will be held by MNNIT Allahabad, Prayagraj, Uttar Pradesh, India for four weeks. The aim of this training cum internship programme is to disseminate the expertise of the faculty to under graduate students in various fields of Civil Engineering. This online training programme will provide the students, engineers and professionals a clear understanding of the basic practices in the different specializations of Civil Engineering.

## PROGRAMME CONTENT

This online training programme will cover the following aspects in Civil Engineering.

### **BUILDING MATERIALS**

Building Materials and its Importance, Brick, Reinforcing Steel, Cement, Aggregates, Admixtures, Mix Design, Durability of Concrete, Non-destructive Test, Special Concretes, Construction Defects and Remedies.

### **GEOTECHNICAL**

Soil Exploration & its Importance, Soil Classification, Permeability, Proctor, Shear Strength, Plate Load & Standard Penetration Tests, Assessment of Bearing Capacity & its Application.

### **TRANSPORTATION**

Road aggregates - properties and tests, Bitumen-characterization and testing, Bituminous Mix Design, Traffic Engineering Studies, Pavement Evaluation Techniques, Application of GIS in Transportation Engineering.

### **ENVIRONMENT**

Physico-Chemical characteristics of water/wastewater i.e. Color; Turbidity and Solids; Conductivity & pH; Alkalinity and Acidity; Hardness; Chlorides and Residual Chlorine, Chemical and Biological characteristics of water/wastewater, i.e. DO; BOD; COD; Nitrogen; Bacterial Density (MPN Test), Specific Anions in water/wastewater, e.g. Fluoride, Sulfate and Phosphate, Specific metallic contaminants in drinking water and industrial wastewater, e.g. Chromium, Iron and Manganese



**A Four Week Self-Financed  
online  
Summer Training cum Internship  
Programme in Civil Engineering**

**(ONLINE STIPCE-2020)**

**6<sup>th</sup> July – 31<sup>st</sup> July, 2020**



**Organized by**

**Department of Civil Engineering  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj- 211004, India**

