

## ABOUT THE INSTITUTE

Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar was established in the year 1987 as Regional Engineering College, was given the status of National Institute of Technology in the year 2002, and functions under the aegis of Ministry of Human Resource Development (MHRD), Government of India. As an Institute of National Importance, it imparts high quality technical education in Engineering, Technology and Science to produce competent technical manpower for the country. The institute offers Bachelor of Technology (B. Tech.) programmes in nine disciplines of Engineering and Technology along with the Research Programmes leading to Master of Technology (M.Tech.) and Doctor of Philosophy (Ph.D.) As per the survey conducted by NIRF in the year 2018, the institute was ranked 74<sup>th</sup> amongst all engineering institutions, including IITs in the country.

## ABOUT THE DEPARTMENTS

The Department of Civil Engineering offers B. Tech. in the discipline of Civil Engineering ever since its inception in the year 1989. The department has been offering M.Tech. Programme in Structural and Construction Engineering since 2004. The doctoral programmes in different specializations were started in the year 2006.

The Department of Mechanical engineering was founded in 1990 and has grown as one of the dynamic departments of the institute over the last two decades. The department also offers B Tech, M. Tech and PhD programs. The B. Tech program is accredited by the NBA.

The Departments have also been selected as 'DST-FIST Sponsored Department' by the Ministry of Science and Technology, Government of India. The course curriculum has been designed catering to the existing and emerging needs of the industry. The Departments have established state-of-the art laboratories with sophisticated equipment for undergraduate courses and research work. The department is planning to introduce a new branch in M Tech naming 'Geo-Environmental Engineering' from the upcoming session July, 2018.

## LOCATION

The institute is located at a distance of 25 km from Adampur, (Jalandhar) Airport, 12 km from Jalandhar Bus Stand, 10 km from Jalandhar City Railway Station and 16 km from Jalandhar Cantt. railway station. The city has major road and rail connection, is a market for agricultural products and manufactures textiles, leather goods, wood products and sports goods. The Institute is located on Jalandhar – Amritsar NH-1 and is approximately 370 kms from New Delhi and 70 kms from Amritsar.

## PREAMBLE

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works such as buildings, roads, bridges, canals, dams, airports, sewerage systems, pipelines, and railways. With overcrowding, resource demands are increased, and as cities grow, urban environments may face more pressure in their attempts to provide large urban populations with sustainable supportive infrastructure like food, water, and safe roads. Advanced civil engineers are needed now more than ever to provide solutions to these critical issues. Several developing innovations are currently being used around the world to improve socio-environmental sustainability. Numerous advances in concrete and technology including materials, mix design, recycling, structural design, durability requirements, testing and specifications have been made. On the other hand, there is a major implication of GIS and remote sensing in Civil Engineering. Remote sensing plays a vital role in providing required near-real-time images/data about the ground/topography/weather/ landcover, which will potentially help the civil engineers and researchers for effective planning and decision making. Furthermore, it is important to combine and share knowledge, innovative ideas and practical experiences to yield confidence in the upcoming era of research community.

## COURSE CONTENT

The key objective of the program is to aware the participants to the latest research issues and challenges of Civil Engineering so that they can handle the latest concerns and contribute to the society by adopting socio-environmental sustainability approach. Several developing innovations are currently in progress around the world to attain sustainability. The research especially in 'Concrete Technology' is of great importance for young researchers and civil engineers, as numerous advancements like concrete materials, mix compositions, reuse and recycling, structural integrity and design, durability aspects, testing and codal specifications are already in process. Correspondingly, there is a major inference of GIS and remote sensing in various fields of Civil Engineering.

## Short Term Course

on

## Recent Research and Innovation in Civil Engineering

16-20 July 2018

Organized by



Department of Civil Engineering

Dr B R Ambedkar  
National Institute of Technology  
Jalandhar - 144011, Punjab

website: [www.nitj.ac.in](http://www.nitj.ac.in)

## **FACULTY**

The faculty for the course will be mostly from reputed education and research organizations.

## **PARTICIPANTS**

Teachers of AICTE recognized engineering institutions are eligible to apply for the course. Participants will be given course material and will be provided with free boarding and lodging in the Institute campus. The number of participants is limited to 50 for the course. The interested persons need to apply on the prescribed proforma by due date through proper channel. M Tech students and PhD Scholars can also participate.

## **REGISTRATION FEE**

(a) Academic Institutes	Rs. 1000/-
(b) Industries	Rs. 2000/-

- Registration fee (for Applicants from Industry) can be paid in the form of Demand Draft drawn in favour of Director, Dr B R Ambedkar National Institute of Technology, payable at Jalandhar.
- Last date of receiving completed Registration Forms is **30 June 2018**
- The selection will be made on the basis of 'first come first serve' and confirmation letters will be sent as soon as the Registration Forms are received to enable the participants to make travel arrangements in time.

The registration process will be considered as complete only after the registration form is received through proper channel; however, the candidates may submit advance copy directly through email, post or by hand.

## **ASSISTANCE**

Limited number of rooms with shared accommodation in Guest House / Hostels are available in the Institute. Accommodation will be arranged on request on 'first come first serve' basis to the participants from academic institutes only.

Accommodation can also be arranged for the required at 'Guest House of Mega Hostel' on sharing basis at @ Rs 200/- per day per person twin sharing basis.  
Contact Person: Mr. Manish  
Mobile no: +91-7508511551

## **ORGANIZING COMMITTEE**

### **Patron and Chief Coordinator**

Prof. Lalit Kumar Awasthi  
Director, Dr B R Ambedkar National Institute of Technology Jalandhar-144001

## **COORDINATORS**

Dr Navdeep Singh, Assistant Professor  
Dr Mahesh Patel, Assistant Professor

## **ADVISORY COMMITTEE**

Professor S P Singh  
Professor Arvind K Agnihotri  
Professor A P Singh  
Professor S K Sinha  
Dr Raman Bedi Associate Professor  
Dr Vishal S Sharma Associate Professor

## **FOR PARTICIPATION, PLEASE REGISTER WITH**

### **Dr Navdeep Singh / Dr Mahesh Patel**

Course Coordinators  
Department of Civil Engineering  
Dr B R Ambedkar National Institute of Technology  
P.O. REC  
Jalandhar - 144011, Punjab.  
Ext.: 2302, 2310  
Mobile: 9872072662; 9085684240  
Fax: 0181-2690320  
**E-mail: stc.civil.2018@nitj.ac.in**

**Dr B R Ambedkar  
National Institute of Technology  
Jalandhar - 144011, Punjab**

## **Short Term Course on**

## **Recent Research and Innovation in Civil Engineering**

**16-20 July 2018**

### **On Spot Registration Form**

Name: .....  
(in capital letters)  
Designation: .....  
Department: .....  
Organization: .....  
Address: .....  
.....  
Tel/Fax: .....  
Email: .....  
Registration Fee: .....  
DD No. & Date: .....  
Bank and Branch: .....  
Accommodation: Required / Not required  
  
Signature with Date: .....

### **SPONSORSHIP CERTIFICATE**

The applicant is hereby sponsored and will be permitted to attend the above short term course, if selected.

Date: .....

Signature and Seal  
of the sponsoring authority