



# GIAN

Global Initiative of Academic Networks

Ministry of Human Resource Development  
Government of India



## UNIVERSAL DESIGN & ACCESSIBILITY PLANNING an interdisciplinary approach to inclusive environments

Venue - Continuing Education Centre  
Indian Institute of Technology Roorkee

22<sup>nd</sup> - 28<sup>th</sup> January, 2018

Organised by  
Indian Institute of Technology Roorkee



**International Expert**  
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### Registration

Register through GIAN portal  
[www.gian.iitkgp.ac.in/GREGN](http://www.gian.iitkgp.ac.in/GREGN)  
or contact the course coordinator

### Introduction

Are we prepared to live in this world with aging, ailments, disabilities and other forms of human existence? How do we need to prepare our infrastructures, systems and technologies to allow inclusion of human diversity remains the guiding philosophy and question to be addressed in this course. Celebrating diversity of human existence through equity in design forms it's keystone. Originating from the notions of mapping diverse human needs with a focus on **persons with disabilities**, it unfolds a range of experiences from both national and international perspectives on accessibility and inclusion through **universal design approaches**.

The World is aging and India like many others remains a home to a large number of its population with disabilities. Thereby getting excluded from participation in life activities in both urban & rural contexts. Likewise, other vulnerable groups of population include children, elderly and individuals with temporary ailments, impairments taking the total dependent population to a significant level. Accessibility, then becomes a prerequisite and a key hope to inclusion through planning & design as professional activities.

Several legal regulations like Rights of Persons with Disabilities Act, 2016, passed by the Government of India, ratification of the UNCRPD Act, 2007 and the Accessible India Campaign launched by the Hon'ble Prime Minister in 2015 reflect an ongoing

### About the Organising Institute

Indian Institute of Technology (IIT) Roorkee is among the foremost institutes of national importance in higher technical education and applied research. Since its establishment, the institute has played a vital role in providing technical manpower and know-how to the country and in carrying out research. The institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. The institute offers Bachelor's degree course in 21 disciplines including Architecture and Engineering. It offers Post-graduate degree in 55 disciplines of Applied Science, Architecture & Planning, Engineering, Computer Applications & Business Administration.

growth in understanding and advancing the national perspective towards inclusion. More than fifty cities have been undertaken under the Accessible India Campaign to be made accessible with investments on accessible infrastructures for public use, tourism, mobility, etc. However, it remains a fact that India has only a limited number of professionals competent to deliver accessibility solutions in diverse urban situations.

Design for Human Inclusion thus needs a professionally structured approach alongwith sensitization and awareness to maximize benefits for its users. Human Inclusion needs to be the new norm amidst global inter connectedness making lives possible by creating spaces and built environments accessible to all. Under this course, it shall deal with theoretical understanding, live simulations and on field insights to provide the right exposure to Universal Design approach and Accessibility Planning in contexts of built environments, transportation, interior spaces, product designs and policies. Through its engaging sessions, this course aims to shed light on state of the art knowledge from international and national perspectives through its deliberations.

### Objectives

- To sensitise and provide fundamental knowledge on disablement, accessibility & universal design.
- To enhance capacity building for architects, design professionals/researchers to evaluate and conduct access audits in built environments.

### Course Team

**Patron**  
MHRD, GIAN

**Course Coordinator**  
**Dr. Gaurav Raheja**, is a well known national expert and consultant with a research focus on universal design & accessibility issues.

**International Expert**  
**Prof. Korydon Smith**, is an eminent international expert and author on universal design, health equity & architectural theory from SUNY Buffalo, USA.

### How to Reach

Roorkee is well connected to New Delhi by rail and road. It is situated on National Highways 58 & 73. Easiest way to get to Roorkee is by train and road. Nearest railway station is in Roorkee, situated 3 Kms. from the campus and nearest airport is Dehradun's Jolly Grant Airport.

- To impart exposure of best practices from international and national perspectives on universal design.
- To provide an indepth perspective on global and Indian policies on accessibility and inclusion.
- To develop applied research insights on accessibility codes and universal design.

### Course Details

- Module 1** Understanding Disability, Diversity & Universal Design
- Module 2** Policy perspectives & Accessibility regulations
- Module 3** Accessibility Audits & Planning Codes
- Module 4** Universal Design in Indian and low resource context
- Module 5** Researching Universal Design

### Who can attend ?

**Professionals/Consultants, Researchers**  
Architects, Planners, Designers, Urban transport and mobility consultants, Development Authorities, Rehabilitation professionals and Interdisciplinary consultants with background in urban sociology.

**Faculty & Students**  
at all levels (B.Arch./M.Arch./M.Tech./Ph.D.) from reputed academic & technical institutions in architecture, planning, civil engineering, transportation, urban design, urban sociology and disability studies.

### How to Register

Register through GIAN portal: <http://www.gianiitkgp.ac.in/GREGN> or contact the program coordinator. The participation fees for taking the course is as follows:

**Participants from abroad: US\$500**  
**Industry/Research : Rs. 15,000**  
**Organisations**  
**Academic Institutions : Rs. 7,500**  
**Students : Rs. 3,500**

The above fees includes all instructional materials, computer use for tutorials, 24 hour free internet facility.

### Accommodation

IIT Roorkee will provide accomodation to a limited number of participants on a first come first serve basis at a nominal price. Provision of single room is dependent on the availability of program's commencement.