

Five day Online
Short Term Training Program (STTP)

Assessing Urban Sustainability

11th- 15th January 2021

Organized by



Department of Architecture & Planning,
Visvesvaraya National Institute of Technology,
Nagpur- 440010



Each day the
session will
be conducted
for **five hours**

Participants will be
provided program
certificate

Expected Outcome

Participants will be equipped with knowledge on urban sustainability. They will learn various assessment tools to measure the urban environment at different scales and varying sectors. This will guide them to generate the methodology for implementing sustainability in the planning process.

Registration charges

Rs 1,500 for Students and
Research Scholars
Rs 3,000 for Professionals,
Academicians and Others

**Last Date of
Registration**
5th
January
2021

Registration form

<https://forms.gle/XZ95YwbZbrQL389V8>

or
scan the QR code



Preamble

Urban development is happening at an unprecedented rate and this growth has brought major concerns about the current and future cities, their inhabitants, and the resources. Sustainable urban planning is the need of the hour. Unplanned urban growth has led to strained infrastructure, growth of slums, environmental degradation, traffic problems, poor quality of life, and high cost of living. Thus, there is a need to ingrain sustainability in our urban environment. The first step in this journey is assessing the current sustainability of urban areas. It assists in analyzing the urban areas with multi-criterion to have a holistic picture for future urban planning. Assessing helps in evaluating the exact shortfalls and the levels of efforts required for achieving the sustainability benchmarks.

This short term training program provides a chance to understand and assess the current status of the urban environment and identify the opportunity and challenges by adopting the path of intelligent and sustainable urban development.

Objectives

To discuss various aspects of urban sustainability

To address the opportunities and challenges
(sectoral and comprehensive)

To deliberate on the assessment methods for different cities and their smaller units for achieving sustainability.

Aspects that will be addressed

Overview of Urban Sustainability	Climate Change and its Impact	
Concepts and Approaches for Urban Sustainability	Assessment tools	
Resource Consumption and Population Growth	Urban Heat Island	
Compact City	Social Sustainability	Urban Transport
Urban Green Spaces	Sustainable Tourism	Urban Water Management
Urban Spaces for Social Cohesion	COVID19 and Urban Planning	
Case Studies of different cities at varying scale		

Resource Persons

The sessions will be conducted by the experienced faculty from VNIT, Nagpur and other Experts from the field.

Advisors

Dr. D.R. Peshwe Dean Faculty Welfare	Dr. S.B. Thombre Dean Academics	Dr. G.P. Singh Dean Planning & Development
Dr. V.S. Borghate Dean Research & Consultancy	Dr. B.S. Umre Dean Student Welfare	Dr. S.R. Sathe Registrar

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Our Patron

Dr. Pramod M. Padole
Director VNIT, Nagpur

Head of the Department

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About the Institute & Department

Visvesvaraya National Institute of Technology, Nagpur, India is an Institute of National Importance, located in the heart of Nagpur city. It was established in the year 1960, earlier known as Visvesvaraya Regional College of Engineering (VRCE), named after Bharat Ratna Sir M. Visvesvaraya. It was converted to NIT under the NIT Act 2007. It is ranked 27th in the National Institute Ranking Framework (NIRF) 2020, carried out by the Government of India.

The Department of Architecture and Planning is one of the oldest architecture and planning schools in India established in 1965. The department has played a significant role in the initiation and propagation of Architectural and Planning education in central India. In the past over six and three decades respectively the department has provided the best architecture and planning professionals. The department has technical expertise in the field of urban sustainability, infrastructure and energy efficiency. Along with the academics, the department is actively involved in consultancy and research activities.