

About the Training Program

In an era characterized by rapid urban growth and pressing environmental challenges, the synergy between sustainable methodologies in architecture and urbanism and the UN's Sustainable Development Goals (SDGs) is paramount. This Program provides a platform to spotlight the nexus of these pivotal domains. Designed as an intellectually enriching platform, it caters to academics, researchers, and students, fostering deep insights into architecture and urban studies. The program will showcase methodologies that align architectural and urban principles with the UN's sustainability objectives. Through lectures, discussions, and hands-on sessions led by esteemed experts, attendees will be introduced to research areas, methods, and solutions. The integration of sustainable architecture and urbanism with SDGs paves the way for the development of harmonious, resilient, and vibrant urban landscapes. Ultimately, the program aims to empower the participants in their pursuit to shape sustainable urban futures.

Topics Covered

Lectures

Fundamentals of Urban Resilience & Sustainability
Tourism Infrastructure Planning in Fragile Himalayan Landscapes
Sustainable Futures for Built and Unbuilt Spaces
Sanitation & Public Health emergency for Sustainable Urban Futures

Hands-on Sessions

Air Quality Monitoring
Tourism Vulnerability Analysis
Urban Growth Simulation & Prediction: Using IDRISI software
UHI Mapping Using Geospatial Software

Site Visit

All 84 Ghats by Boat Ride

List of Speakers

Dr. Keerti Manisha

Assistant Professor, DAP, NIT Tiruchirappalli

Dr. Nivedita Barman

Independent Researcher, Former Postdoctoral fellow EDF

Prof. Amita Sinha

Professor, APD, IIT(BHU), Varanasi

Dr. Amrita Dwivedi

Associate Professor, HSS, IIT(BHU), Varanasi

Dr. A. P. Sanyal

Assistant Professor, APD, IIT(BHU), Varanasi

Dr. Harsimran Kaur

Assistant Professor, APD, IIT(BHU), Varanasi

Dr. Vishal Chetty

Assistant Professor, APD, IIT(BHU), Varanasi



2nd 05-Day National Training Program on **Sustainable Horizons: Methodological Innovations in Architecture and Urbanism aligned with SDGs**

07th to 11th December 2026
[09:00 AM to 06:00 PM]

Last Date of Registration: 29th October, 2026

Organized by

Department of Architecture, Planning and Design
Indian Institute of Technology (Banaras Hindu University), Varanasi

In collaboration with

Centre for Faculty Development and Educational Technology
IIT(BHU), Varanasi

&

Sustainable Development Centre
IIT(BHU), Varanasi

Registration Link: <https://forms.gle/aXffBgUXoJcGsgx16>

<https://www.iitbhu.ac.in/cf/sdc>



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Prof. Amit Patra

Director, IIT (BHU), Varanasi

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CFDET, IIT (BHU), Varanasi

Coordinator,
SDC, IIT (BHU), Varanasi

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Head, Dept. of Architecture,
Planning & Design,
IIT(BHU), Varanasi

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Dr. Vishal Chetty

Asst. Prof., Dept. of Architecture,
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Asst. Prof., Dept. of Architecture,
Planning & Design,
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Dr. Harsimran Kaur

Asst. Prof., Dept. of Architecture,
Planning & Design,
IIT(BHU), Varanasi

About IIT(BHU), Varanasi

The institute completed its 100th year in 2019 with a commitment to nation-building. The Indian Institute of Technology (Banaras Hindu University), Varanasi, owes its existence to Bharat Ratna Mahamana Pandit Madan Mohan Malviya, the founder of the first residential University of modern India, Banaras Hindu University (BHU), who foresaw the vital role of technical education in strengthening independent India.

The Department of Architecture, Planning, and Design (APD) was established in 2019, the institution's centenary year. The department is recognized by the Council of Architecture (COA) and has collaborated on various consultancy and research projects with reputed national and international organizations. The department offers a Bachelor of Architecture (B.Arch.) program and a PhD program, full-time with scholarships and part-time for aspiring scholars. The Department has collaborated with local authorities such as Varanasi Smart City Limited (VSCL), the Varanasi Development Authority (VDA), the National Institute of Urban Affairs (NIUA), the Indian Knowledge System (IKS-AICTE), the National Monuments Authority (NMA), and the Archaeological Survey of India (ASI).

Tentative Schedule

Day-1 Dec 07, 2026	09:00 AM - 01:00 PM: Inauguration, Expert Lecture - Fundamentals of Urban Resilience & Sustainability
	02:00 PM - 06:00 PM: Expert Lecture - "Tourism Infrastructure Planning in Fragile Himalayan Landscapes" & Hands-on Session "Tourism Vulnerability Analysis"
Day-2 Dec 08, 2026	09:00 AM - 01:00 PM: Expert Lecture- Sustainable Futures for Built and Unbuilt Spaces: Aligning with the SDGs & Air Quality Monitoring & its significance for enhancing Urban Resilience
	02:00 PM - 06:00 PM: Site Visit to Ghats of Varanasi and understand Sustainable practices
Day-3 Dec 09, 2026	09:00 AM - 01:00 PM: Expert Lecture- Energy Efficient Planning & Design for Cities & Sanitation & Public Health Emergency for Sustainable Urban Futures
	02:00 PM - 06:00 PM: Hands-on Session "Urban Growth Simulation & Prediction: Using IDRISI software"
Day-4 Dec 10, 2026	09:00 AM - 01:00 PM: Expert Lecture- Applied thermal study of heat stress in urban environments & Hands-on Session "Time-series Forecasting"
	02:00 PM - 06:00 PM: Hands-on Session "Urban Heat Island Assessment: Using Geospatial Software"
Day-5 Dec 11, 2026	09:30 AM - 01:00 PM: Group Presentations
	02:00 PM - 05:00 PM: Concluding Session, feedback followed by Valedictory Ceremony

2nd 05-Day National Training Program on

Sustainable Horizons: Methodological Innovations in Architecture and Urbanism aligned with SDGs

(SHNTP 2026) 07th to 11th December 2026

Expected Outcomes

- Apply sustainability, resilience, and SDG principles in research.
- Conduct tourism vulnerability analysis, urban-growth simulation using IDRISI, time-series forecasting, and Urban Heat Island assessment.
- Assess the links among air quality, energy-efficient design, sanitation, public health, and heat stress to inform planning decisions.
- Understand public spaces, infrastructure, and sustainability practices through observations at the Ghats of Varanasi.
- Prepare and present an SDG-aligned resilience and sustainability action plan .

Account Details

- Beneficiary Name: Regsitrar - IIT(BHU)
- Bank Account Number: 34923598941
- Bank Name: State Bank Of India
- Branch Name: IT-BHU Branch
- IFSC Code: SBIN0011445
- MICR Code: 221002036
- Type of Bank Account: Current
- SWIFT Code: SBININBB125



Registration Details

Registration Fee:

- Students: ₹4500/- (Including 18% GST & Excluding accommodation)
- Academicians & Professionals: ₹6500/- (Including 18% GST & Excluding accommodation)
- Registration fee includes:
 - Registration Kit
 - Food (Lunch + Snacks)
 - Local travel during Site Visit

Maximum No. of Participants: 45

Eligibility: Students pursuing M.Arch/M.Plan/M.Tech/Research Scholars/ Professionals in Architecture/Urban Planning/Urban design/Conservation/ Landscape Design/Remote Sensing/GIS in Allied Fields.

Registration Link: <https://forms.gle/aXfFbGUXoJcGsgx16>

Note:

Travel & Accommodation:

- Participants have to plan their own travel arrangements to reach the IIT (BHU), Varanasi Campus.
- Accommodation for Academicians and Professionals on a paid, sharing basis will be arranged in the Guest House, subject to room availability.
- Accommodation for students on a paid basis (₹ 400/- per day) will be arranged in the hostel by selecting the option in the registration form.
- The Registration Fee is Non-Refundable.
- Participants should carry their own Laptops and Basic Drafting equipment.

Evaluation and Certificate

- 100% attendance is compulsory in this program.
- Certificate of Participation will be awarded to participants only after attending and actively participating in all the sessions.

How to reach Varanasi and IIT(BHU) Campus

- Nearest Railway Stations:
 - Varanasi Cantt. Junction_BSB (11 km from campus)
 - Banaras Railway Station_BNRS (6.6 km from campus)
 - Pandit Deendayal Upadhyay Junction (17 km from campus)
- Nearest Airport:
 - Lal Bahadur Shastri International Airport (31 km from campus)
- Nearest Bus Station:
 - Varanasi Cantt Bus Station (10 km from campus)

Student Coordinators

- Ar. Avinash Yadav, Research Scholar, IIT(BHU), Varanasi
- Ar. Amit Maurya, Research Scholar, IIT(BHU), Varanasi
- Ar. Abeer Sanyour, Research Scholar, IIT(BHU), Varanasi
- Ar. Kartik Parihar, Research Scholar, IIT(BHU), Varanasi

Contact us

Email: shntp26@gmail.com

- For Registration: +91 9452732513 (Ar. Avinash & Ar. Abeer)
- For Accommodation (Hostel): +91 8385871200 (Ar. Kartik)
- For Accommodation (Guest House): +91 9997629344 (Ar. Amit)