



**ONLINE TRAINING PROGRAMME FOR
OVERSEAS PROFESSIONALS
2021-22**

**Planning and Management of
Sustainable Urban Infrastructure**

**HUDCO's
Human Settlement Management Institute**

7th to 11th February 2022 (5 Days)

**Under International Technical and Economic Cooperation (ITEC)
Sponsored By Ministry of External Affairs, Government of India**

ABOUT THE PROGRAMME

Sustainable Development is the need of the hour in the current century, in a world increasingly concerned not only with growth, but also with environmental issues. Inadequate infrastructure is a major stumbling block to growth and sustainable development, and consequently in tackling poverty. Sustainable urban infrastructure components include both traditional types of physical infrastructure (everything from energy to public transport, buildings, water supply and sanitation) and social infrastructure including education, health, childcare etc. This online training programme focuses on planning and management of urban infrastructure; with an outlook that promotes sustainability in infrastructure delivery and participation of stakeholders in its operation and maintenance.

ABOUT THE INSTITUTE

HUDCO's Human Settlement Management Institute (HSMI) is the research and training wing of HUDCO, a Govt of India undertaking under the Ministry of Housing and Urban Affairs. HSMI provides training for professionals on a variety of issues of housing, urban infrastructure and regional planning and development. HSMI has considerable experience of conducting short term training programmes and has its own well equipped training facilities including Hostel.

TARGET GROUP

The online training programme is meant for housing, planning and urban services related officials in national, state and local governments and City management related officials in developing countries.

Housing professionals include architects, urban designers, planners, civil engineers, urban economists, sociologists and geographers, building inspectors, (construction) engineers, housing programme/project managers, and technical city management officials.

ELIGIBILITY

- Participants should have at least a bachelor's degree or equivalent in the mentioned disciplines with minimum 5 years of relevant experience.
- Preferred Age group 25-50 years.
- Should be proficient in English language.

PROGRAMME OBJECTIVES AND OUTCOMES

The aim of the online training programme is to provide the participants with a sound understanding of the concepts and frameworks of sustainable infrastructure development

- To provide the participants with an understanding of concepts of urban services planning, within the framework of SDGs, New Urban agenda.
- To provide of field issues and technical solutions to sustainable infrastructure issues.
- To disseminate and share country practices and innovative ideas and solutions related to sustainable infrastructure.

By the end of the online training programme, the participants should be able to:

- Define the concept of sustainable infrastructure and understand sustainability and SDGS.
- Understand various components of sustainable infrastructure.
- Develop a sound understanding of technological solutions and innovative practices in the field of sustainable development.



PROGRAMME CONTENTS

Day 1: Urbanisation and Sustainable Urban Development – Conceptual Frameworks

- Concepts of Urbanisation, Sustainability and sustainable development
- Policy frameworks for sustainable urban development
- Sustainable Infrastructure
- Sustainable mobility solutions

Day 2: Planning for Smart and Sustainable cities –Environment and Transport

- Smart cities and other Govt of India programmes for cities
- Green cities
- Energy reduction and climate change

Day 3: Focus on Housing, Planning for Social Infrastructure and community development

- Inclusive planning
- Provision of basic services
- Social equity in development

Day 4: Planning for Physical Infrastructure and Good Governance

- Concepts of smart and sustainable services delivery;
- Latest developments in physical infrastructure planning and delivery

Day 5: Infrastructure Financing Issues and Group Work

- Public and private participation and financing
- HUDCO's role in infrastructure financing
- Group presentation

LANGUAGE OF THE COURSE

The course will be conducted in English

ACCESS AND TECHNICAL PLATFORM

The sessions shall be delivered on Google MEET/MS TEAM/ Webex platform. The participants may access it through Laptop, Desktop, Mac, mobile, iPad.

Access for participants will be easier through the email ids in google/ apps downloaded for the programme platforms. The group activities shall be conducted on Google forms and Concept papers maybe submitted to the email cpd@hudco.org

Programme Timings

Three sessions shall be hosted per day and the IST shall be informed in advance for participants to keep to the schedule.

DETAILS OF MATERIAL/ LITERATURE TO BE PROVIDED TO PARTICIPANTS

The reading material shall be shared in advance on the Key-themes including the following:

Background paper on Concepts of Urbanisation, Sustainability and Sustainable Development, Government of India's Operational Guidelines for Urban Missions- PMAY, AMRUT, Smart Cities Mission, SBM; and other relevant study materials.

The programme is run on highly participative lines ensuring maximum involvement of the participants. Each participant is required to make a presentation on his/her work profile. There will also be Action Planning exercises in groups on case studies on urban development, urbanization trends, policies & programmes, status of implementation of urban infrastructure in their respective countries.

The tentative programme schedule and session plan to discuss the key themes of the subject are given below:

	Session 1	Session 2	Session 3
	12:30-14:00	14:15-15:45	16:00-15:30
Day 1 7th February, 2022, Monday	Inauguration – Discussion on Urbanization trends and Sustainable Development	Inclusive Urban Development - Issues, Challenges and Prospects <i>Dr. Akshaya K Sen, HSMI</i>	Sustainable Infrastructure and Transit Oriented Development <i>Mr. A .K. Jain</i>
Day 2 8th February, 2022, Tuesday	Smart Cities and Other Government of India Programmes for Cities <i>Prof Chetan Vaidya</i>	Climate Change and Impacts on Cities - Urban Ecology and Green Cities <i>Prof. Saswat Bandopadhyay</i>	Clean India Mission, <i>Dr. K. K. Pandey</i>
Day 3 9th February, 2022, Wednesday	Integrated Planning for Developing Countries <i>Mrs. Banashree Banerjee</i>	Inclusive Development and Planning for Slums and Informal Settlements <i>Dr. Sukanya Ghosh, HSMI</i>	Integrated Low Cost Sanitation, Waste and Water Management <i>Dr. N.B. Mazumdar</i>
Day 4 10th February, 2022, Thursday	Urban Drainage Issues – City Floods & Disaster Aspects <i>Mr. S Surendra</i>	Waste Management – Best Practices Case Studies <i>Mr. Ajay Jain</i>	Financing for Good Urban Governance and Capacity Building for Urban Local Bodies <i>Mr. Hitesh Vaidya</i>
Day 5 11th February, 2022, Friday	Innovative Financing Mechanisms of Urban Infrastructure Projects <i>Dr. D. Subrahmanyam, HUCO</i>	Sharing experiences through Presentations on country practices	Programme Feedback and Valediction Session

