

ONE WEEK ONLINE TRAINING PROGRAMME FOR OVERSEAS PROFESSIONALS 2022-23

MAKING CITIES FUTURE READY - SMART & CARBON NEUTRAL

HUDCO's HSMI

7th November 2022 – 11th November 2022



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

ABOUT THE PROGRAMME

The course on 'Making Cities Future ready – Smart & Carbon Neutral' is designed to help the participants understand the concept of smart and resilient cities that can respond effectively to pandemics and future climate shocks. The course will focus on various aspects of smart and resilient future-proof cities like resilient and green housing, water conservation and waste water recycling, clean and active public transport systems, waste management, environmental improvement and disaster risk reduction in cities through planning interventions, integrated and participatory urban planning and urban governance. It will also expose the participants to on-going urban development programmes and policies of the Govt of India, as well as other countries in this regard and India's efforts in planning for smart and resilient cities through Govt and private sector efforts.

ABOUT HUDCO AND HSMI

Housing and Urban Development Corporation Limited was set up in 1970 by the Government of India to accelerate the pace of housing and urban development in the country. It is a Government company with more than 48 years experience in providing loans for housing and urban infrastructure projects in India. HUDCO has established itself as a premier techno-financing company. Apart from the financing operations, HUDCO offers consultancy services, promotes research and studies related to urban development and supports the Govt of India in its various housing and urban development related programmes and policies.

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 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. So far, it has conducted 43 ITEC programmes in which about 900 participants have been trained.

TARGET GROUP

The course is specially designed for mid to senior level officers of SAARC countries who are professionals from the government/ Private/ NGO sector engaged in the housing and urban development sector. The programme will give them an in depth understanding of the interventions being undertaken by the Indian government, developers, architects, urban planners, financiers and urban local bodies for future proofing Indian cities from unexpected challenges like pandemics and climate change induced disasters .

ELIGIBILITY

Participants should have at least a bachelor's degree or equivalent and should be working in the housing and urban development sector with minimum 5 years of relevant experience. Preferred Age group is 25-45 years

PROGRAMME OBJECTIVES AND OUTCOMES

The training is intended to help participants enhance their knowledge and equip them with innovative tools and know-how for designing and implementing appropriate policies and programmes for equitable, smart and resilient cities. At the end of the programme, participants will be able:

- Understand the concept of urbanisation and challenges in cities
- Know the nuances of smart and carbon-neutral cities.
- Get an insight into green, resilient and affordable housing, resilient and equitable infrastructure system, multimodal green public transportation systems, rain water harvesting, Revitalisation of water bodies, various innovations in the area of Solid waste management
- Assimilate the innovative ways of funding housing and urban infrastructure systems
- Develop an understanding of strengthening municipal capacities through asset management, mobilisation of revenue through Tax Increment Funding and e- governance

INTERNATIONAL TECHNICAL AND ECONOMIC COOPERATION (ITEC)

The Indian Technical and Economic Cooperation programme was instituted as a bilateral programme of assistance by the Govt of India in 1964. Over the last several decades, ITEC contributed substantially to capacity building in many parts of the world. Under ITEC, India provides development assistance to 160 developing countries from all over the world.

PROGRAMME CONTENTS

The programme consists of five one day modules:

Module 1: Introduction to Smart and Carbon Neutral Cities

Module 2: Climate Neutral and Smart Social Housing & Water Supply

Module 3: Low Carbon & Smart Mobility Systems and Environmental Management

Module 4: Climate Change, Finance and Governance

Module 5: Valedictory and Experience-Sharing Session

TECHNICAL PLATFORM

The sessions will be conducted on MS Teams. The participants may access it through Laptop, Desktop, Mac, mobile, iPad.

LANGUAGE OF THE COURSE

The course will be conducted in English

ACCESS

Access for participants will be easier through the email ids in google/ apps downloaded for the training Programme. The Quiz shall be conducted on Google forms and Country Presentations maybe submitted to the email varshapunhani@hudco.org

DETAILS OF MATERIAL/ LITERATURE TO BE PROVIDED TO PARTICIPANTS

The reading material shall be shared in advance including 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. The Delegates from each country is required to make a Group Country presentation which details out the location and connectivity of the country, details of main urban centres, their strengths and weaknesses and project details of best practices in the areas of smart and carbon neutral urban development.

TRAINING PROGRAMME TIMINGS

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

DO's / DON'T's/ FAQ

The Training Programme do's and don'ts shall be circulated for keeping participants informed on the IT requirements, platforms, rules, guidelines and FAQs shall be circulated for further hand holding.



**HUDCO's HUMAN SETTLEMENT MANAGEMENT INSTITUTE
(ISO 9001: 2015 CERTIFIED)**

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PROGRAMME SCHEDULE

Day	Session 1 (15.00-15.30 hrs.)	Session 2 (15.30-16.00 hrs.)	Session 3 (16.00-17.00 hrs.)	Mid-Session Break (17.00-17.10hrs)	Session 4 (17.10-18.10 hrs.)	Session 5 (18.10-19.10 hrs.)
Day 1 07.11.2022	Introduction to Smart and Carbon – Neutral Cities					
	Welcome & Inauguration	Introductions	Smart & Carbon – Neutral Cities –An Overview		Making Cities Carbon neutral – A requirement or an imperative	Demystifying Smart Cities through Local and Global Case studies
Day 2 08.11.2022	Climate Neutral and Smart Planning, Housing & Water Supply					
	Session 1 (15.00-16.00 hrs.)	Session 2 (16.00 -17.00 hrs.)		Mid-Session Break (17.00-17.10hrs)	Session 3 (17.10-18.10 hrs.)	Session 4 (18.10-19.10 hrs.)
	MPD 2041 – A smart and carbon – neutral city in the making	Smart and Carbon – Neutral Social Housing			Provision of low carbon and Smart Urban Infrastructure Services: Challenges and Approaches	Smart Water supply - Innovations
Day 3 09.11.2022	Low carbon & Smart Mobility Systems and Environmental Management					
	Session 1 (15.00-16.00 hrs.)	Session 2 (16.00 -17.00 hrs.)		Mid-Session Break (17.00-17.10hrs)	Session 3 (17.10-18.10 hrs.)	Session 4 (18.10-19.10 hrs.)
	Low Carbon and Smart Public Transportation Systems	Environmental Degradation in Cities : Challenges and Approaches			Towards No Land Fill cities	Smart city solutions in service delivery and monitoring
Day 4 10.11.2022	Climate Change, Finance & Governance					
	Session 1 (15.00-16.00 hrs.)	Session 2 (16.00 -17.00 hrs.)		Mid-Session Break (17.00-17.10hrs)	Session 3 (17.10-18.10 hrs.)	Session 4 (18.10-19.10 hrs.)
	Climate Change and Cities	How to make Cities Carbon - Neutral			Innovations for Financing Housing and Basic Infrastructure Services	Smart City 2.0
Day 5 11.11.2022	Valedictory and Experience Sharing Session					
	Session 1 (15.00-16.00 hrs.)			Session 2 (16.00-17.00 hrs.)		
	Country Presentations			Experience Sharing and Valedictory Session		