<div align="center">COURSE SYNOPSIS</div>

Towards "Sustainable Urban Mobility (SUM)" in developing urban context

Course Introduction, Proposed Dates and Location:

HUDCO's Human Settlement Management Institute (HSMI) proposes to conduct a two-week training course for overseas professionals from ITEC partner countries on the theme – "Towards "Sustainable Urban Mobility (SUM)" in developing urban context.
The course is scheduled to be held from 28th January to 10th February, 2026 at HUDCO's Human Settlement Management Institute, New Delhi.

Programme Rationale:

Cities being engines of economic growth are challenged globally with concentrated, dense urban nodes of development areas, which attract movement of people and freight at an alarmingly increasing number and pace. Congestion, pollution, and lack of safety pose varied urban planning and management challenges. Urban mobility systems contribute to at least 7-8 of the Sustainable Development Goals (SDG), 2030. Such being the case, should such developing cities rely on the traditional approaches and implementation of traffic & transportation planning which is seen to crumble city infrastructure and affect potential economic returns? Or should such cities /urban nodes adopt and adapt gradually to the emerging Sustainable Urban Mobility options in choice of modes, systems, and technology integration, transit-oriented development patterns? Can ease of access, reduced time help people to do multiple functions effectively? Can digital innovations reduce commuter's daily hassles? Can mass transit systems be made affordable and accessible for all including the vulnerable groups? Should private car usage be encouraged in large numbers in the concentrated nodes? Are there alternatives to conveniently integrate active mobility through bikes, shared modes? Many of these challenges could be adequately addressed when cities avoid mobility modes causing extreme negative externalities and shift to improving SUM. This programme intends to move in this direction of Sustainable Urban Mobility for growing cities across the developing countries.

New India envisions being a "Developed Nation" in the medium range and has initiated many policies and programmes to address the Sustainable Development Goals (SDGs), with an objective to make its urban cities and towns liveable, economically viable and sustainable. Local solutions are being grounded and implementation and impacts are being monitored under the Government of India's **flagship development programme "Smart Cities Programme."** Simultaneously, mass transit in most populated cities, faster trains to the regions, Electric buses, redesigning shared street spaces, promoting cycling for safe mobility, integrating transport hubs and nodes are being rolled out across India, in addition to improving regional connectivity through physical road infrastructure networks, high-speed regional commuter trains, grade separators, parking provisions etc., Yet miles to go... towards SUM. In this training programme, participants would be able to witness the progress of SUM on ground and the policy, economic and financial reforms

that are facilitating a paradigm shift in approach towards Sustainable Urban Development in general and Sustainable Urban Mobility (SUM) in particular.

Objectives of the Programme:

The training is intended to help participants increase their knowledge, learn from, and equip themselves with innovative tools and know-how for influencing policy making, envisioning future directions of sustainable development to their aspiring cities, intelligently choose Sustainable Urban Mobility options/ digital tools for integration, increase capacity to take optimal approaches, devise transit-oriented programmes/projects and help in the public good of reducing Greenhouse Gas emissions.

Programme objectives & Outcomes:

The participants of this programme would be exposed to understanding the sustainable concepts of Urban mobility, accessibility, interaction and integration of mobility systems, financing options, Smart Intelligent systems through classroom lectures, dialogue sessions with local/International experts, practicing / implementing professionals, site visits, case studies and stimulating desk exercises. It will also project the approaches adopted by Govt of India under the "Smart Cities Mission" towards actioning sustainable urban mobility measures at local levels and equip them to take away key learnings suitable to their specific country contexts.

Expected Outcomes

At the end of the programme, participants will be able:

- Understand the meaning of Sustainable Urban Mobility (SUM) and how it could be suitably incorporated in the urban planning framework ;
- To examine the role and responsibilities of urban managers in the context of planning and implementation and management of integrated urban mobility programmes & projects ;
- How to influence policy making with SUM and mobilise finance for SUM programmes/projects.
- Understand the role of data analysis and applications of information technology to predict, forecast, analyse and deliver Integrated digital solutions for SUM.
- Share experience and learn from case-studies discussed during the course and from fellow course participants from other ITEC partner countries.

Eligibility Conditions

This programme has been specifically designed for policy makers, public managers, urban planners, transportation experts, engineers, architects, urban designers, Information Science &

Technology experts, social scientists, economists, statisticians, finance professionals, community development professionals from the developing countries. Bachelor's degree or diploma or any other relevant qualifications in the mentioned disciplines with at least 3-4 years of relevant experience, and in the age group of 25-55 years, are eligible to apply for the course. The course will be conducted in English and language proficiency is an important requirement for this course.

Programme Contents:

MODULE 1
Understanding the role of "Urban Mobility Ecosystem" for Sustainable Urban Development & Management

This module will introduce the concept and need for Sustainable Urban Mobility and will include following themes:

- o Conventional Urban Transportation approaches vs Sustainable Urban Mobility (SUM)
- o Urban Mobility as an Integral part of Sustainable Development
- o Need for paradigm shift towards Sustainable Urban Mobility (SUM)
- o Present context in fast growing cities - adaptation challenges & approaches

Learning outcomes:

At the end of the session, participants would be able to understand the crucial role of Urban Mobility in embracing Sustainable Development visions and step up actions towards achieving SDG goals by 2030 in fast growing urban areas and cities. They will be able to understand the challenges and the adaptational processes required to gradually shift towards these new Sustainable Urban Development models for Global benefit with Local Actions.

MODULE 2
Need for Integration of Urban Mobility Systems to achieve sustainability

This module will expose the participants in moving towards seamless integration across various mobility modes and integrated urban transport hubs and will include following themes:

- o Mobility modes - Varieties and choices at present and future
- o Public transport, non-motorised & motorised traffic, and inter-modal integration
- o First and Last mile connectivity – Challenges and appropriate solutions
- o 'Accessibility' and 'safety' as crucial element of interaction & integration

Learning outcomes:

Participants would be exposed to the behavioural choices & preferences that would unfold based on the present context and the projected economic growth of their respective urban/city areas. Participants would be guided in envisioning Integrated Urban mobility systems, with a complementary approach rather than a competing approach for achieving overall economic, social, and environmental benefits.

MODULE 3
Policy instruments for Integrated Urban Mobility

This module will highlight the policy level options, directions and interventions required while integrating sustainable urban mobility systems and will include following themes:

- o "Decarbonisation and Green mobility" for reducing GHG emissions.
- o Reimagining cities- revitalisation of old /dense Urban Neighbourhoods with inclusive, vibrant land use mixes and change in regulations.
- o Transit oriented development for emerging New Urban nodes and centres.
- o Parking policies.
- o Pricing for congestion, pollution, and exploitation.

Learning Outcomes:

At the end of the session participants would be able to understand as to how to influence policy formulation, decision making processes, conceptualise integrated land use and mobility models, design revitalised urban neighbourhoods /plan for Sustainable New Cities and Urban areas with the emphasis on Transit Oriented (ToD) Urban development.

MODULE 4
Sustainable Urban Mobility - Mobilising finance

This module will analyse capital investments required for seeding, scaling and operational & maintenance costs for sustaining SUM options and will include following themes:

- o Prioritisation for financing for SUM
- o Financial sharing across different tiers/ levels of Government
- o Access to funds - International, Central/local Govts, Corporates & community
- o Technical assistance for Increasing capacity of local government to conceptualise, plan, be eligible to implement Sustainable Urban Mobility programmes & Projects.

Learning outcomes:

Participants would be made aware of the bottoms up capacity building approach for capacity building across Governmental functionaries and organisational set-ups, need for collaboration among stakeholders and process of accessing institutional finance, step-up recovery mechanisms, and continuous mobilisation of finance during implementation, break-even period and over long-range.

MODULE 5
SMART SUM from 'Vision to Action'

This module will introduce data analysis techniques and applications of information technology and other digital innovations that can be used effectively by embracing integration of digital technology tools, applications for appropriate solutions, and will include following themes:

- o Data collection techniques, analysis of commuter behavioural patterns and data analysis for decision making.
- o Integrated smart solutions of SUM using various information technology tools like GIS, GPS, Wi-fi, mobile apps etc.

Learning outcomes:

Participants would understand the importance of collection of robust and reliable data, need for quick information analysis and dissemination, analysis with innovative digital tools, specialised IT applications etc.

Dialogue sessions, case studies from International & Indian experiences and Site visits, would be conducted to complement the understanding the ground realities of key themes and would enrich the classroom learning experiences.

Course Faculty

HUDCOs HSMI has a core faculty exclusively for undertaking training, research, documentation, and networking activities. Further, Resource persons would be drawn from HUDCO's in-house professionals, other Development finance Institutions, Indian Institutes of repute with professional expertise in Policy framing, partnership negotiations, senior professionals having domain experience in planning, design, implementation and operation and maintenance of city-mobility systems , Community development experts etc. as well as from premier institutes of higher learning, eminent sector experts, government functionaries and researchers also act as resource persons in various activities. The officers posted in HUDCO Corporate Office and Regional Offices are also a resource pool for HUDCOs HSMI and these officers are continuously guiding and strengthening HUDCOs HSMI by way of sharing their rich practical experience in the field of urban development. The profile of HSMI faculty and external resource persons is being given separately.

USP of the course

Sustainable Urban Mobility (SUM) offers enormous scope and opportunities for cities in the transforming trajectory of growth. Challenges faced in present times can be addressed efficiently and effectively based on their respective country context through classroom learning and learning from knowledge exchanges about SUM. The course will be conducted with the professional inputs of subject experts drawn from the field and professionals as well as senior Government of India senior officials who would sensitise the participants about various aspects related to the subject and provide strategies and action for effective integration of SUM in larger urban planning process.