HSMI ACTIVITIES:

HUDCO’s HSMI is envisioned as having many mandates, roles and responsibilities in respect of
❖ Training and Capacity Building
❖ Research
❖ Partnership and networking
❖ Documentation, dissemination and publication
❖ Technical inputs in sectoral policies and programmes to the Ministry

➢ Training & Capacity Building Programmes:

HUDCO’s HSMI is recognized as a leading research and training institution in the housing and urban development sector and is involved with capacity building both at the regional, national and international level for more than 38 years. Since inception, HSMI has organized more than 1808 training programmes benefitting more than 54,764 professionals. Amongst these, the institute has also conducted 51 ITEC and 6 e-ITEC customized training programmes for the Ministry of External Affairs, Government of India, under the Indian Technical and Economic Cooperation (ITEC) Plan to train international professionals from various countries in Asia, Africa, East Europe, Latin America, the Caribbean, Pacific and small Island countries training about 1170 professionals on themes related to urban development and infrastructure management, sustainable cities, smart cities, informal settlements, environmental management, urban governance and housing.

• Training Programmes organized by HSMI during last 10 years:

In view of the adoption and commitment for implementation of Sustainable Development Goals (SDGs), Habitat III New Urban Agenda, COP21 and the major programmes of the Govt. of India in the habitat sector, it is imperative that the training and capacity building efforts of key stakeholders in the habitat sector need to be stepped up and strengthened. With the multi-disciplinary professionals available within HUDCO, HUDCO’s HSMI is geared up to take up various training and capacity building programmes for different stakeholders.
HSMI organizes various Training Programmes such as Training Programme for Internal purposes, Customized Fee based Training Programmes, Training programmes in collaboration with CityNET, AIHDA, APMCHUD, Training Programme Sponsored by Department of Personnel & Training & Ministry of External Affairs as per its strategy for capacity building of its own officials and urban stakeholders and professionals in the urban development sector.

DEPARTMENT OF PERSONNEL & TRAINING (DOPT) SPONSORED PROGRAMMES

The institution has also conducted several Training programmes for Indian Administrative Services and other Central Services Officers sponsored by Department of Personnel & Training (DoPT).

• DoPT In-Service Training Programme on Financing Urban Infrastructure and Services in India, 1st – 5th March 2021

HSMI organized DoPT In-Service Training Programme on Financing Urban Infrastructure and Services in India, 1st – 5th March 2021 at Sammelan Kaksh, HUDCO Bhawan, India Habitat Centre, New Delhi. A total of 13 Indian Administrative Service officers (IAS) participated in the Training Programme. The DoPT In-service training programme was inaugurated by the Chief Guest Shri Durga Shanker Mishra, IAS, Secretary, Ministry of Housing & Urban Affairs, Gol on 1st March 2021 at Sammelan Kaksh, HUDCO Bhawan, IHC, New Delhi, in the presence of Shri Kamran Rizvi, IAS, Additional Secretary, MoHUA and CMD-HUDCO, Shri M. Nagaraj, Director Corporate Planning-HUDCO, Shri D. Guhan,
Director Finance, HUDCO, Shri Ajay Mishra, CVO-HUDCO. The Training Coordinator was Dr Akshaye Sen, JGM(Eco).

Site visits to 6 places such as: Sewage Treatment Plant (STP) and horticulture of IHC; Africa Avenue Project as part of Central Vista Redevelopment Plan by CPWD; Sunder Nursery-one of the cleanest and greenest public open space; Waste to energy project, a PPP project by OP Jindal Group at Okhla, New Delhi; C&D Waste Processing Plant by IL&FS at Shastri Park, Delhi; and NDMC Integrated Command & Control Centre, Palika Kendra, New Delhi.

- **In-service training programme for All India Service (AIS) Officers on ‘Urban Development in India: Cities of Tomorrow – Equitable, Sustainable and Resilient’ from 22nd to 26th of February, 2021**

HUDCO’s HSMI successfully conducted the one-week Department of Training & Personnel (DoPT) In-service training programme for All India Service (AIS) Officers on ‘Urban Development in India: Cities of Tomorrow – Equitable, Sustainable and Resilient’ from 22nd to 26th of February, 2021 at Sammelan Kaksha, HUDCO Bhawan, India Habitat Centre, New Delhi in which 11 IAS officers participated. The Training Coordinator was Ms. Varsha Punhani, JGM(P).
Site visits were conducted to four places such as Construction site of Ministry of Defence Offices, Africa Avenue Project as part of Central Vista Redevelopment Plan by CPWD; Sunder Nursery - one of the cleanest and greenest public open space; NDMC Integrated Command & Control Centre, Palika Kendra, New Delhi, and Visit to Dilli Haat, Janakpuri.

INTERNATIONAL TRAINING PROGRAMMES FOR OVERSEAS PARTICIPANTS SPONSORED BY INDIAN TECHNICAL AND ECONOMIC COOPERATION PROGRAMME OF MINISTRY OF EXTERNAL AFFAIRS (ITEC) CONDUCTED DURING 2022-23

The institute has conducted 51 ITEC and 6 e-ITEC customised training programmes for the Ministry of External Affairs, Government of India, under the Indian Technical and Economic Cooperation (ITEC)Plan for administrators and professionals from various countries in Asia, Africa, East Europe, Latin America, the Caribbean, Pacific and small Island countries on themes related to urban development and infrastructure management, sustainable cities, environmental management, smart cities, urban governance and housing.

‘Realizing the Right to Adequate Housing in the Context Of Habitat III New Urban Agenda - Policies, Planning & Practice’ January 9th – February 17th, 2023

INTERNATIONAL PROGRAMMES for 2022- 2023

- International training programmes under ITEC conducted in 2022-23
- Realising the right to adequate housing in the context of Habitat III New Urban Agenda - Policies, Planning and Practice: 09.01.2023-17.02.2023
- Formal Solutions to Informal Settlements: 20.03.2023-14.04.2023
- Trained 1170 overseas participants through 51 ITEC and 6 e-ITEC training programmes

HUDCO’s Human Settlement Management Institute (HSMI) organized the 50th International Training Programme on ‘Realizing the Right to Adequate Housing in the
Context of Habitat III New Urban Agenda - Policies, Planning and Practices” sponsored by the Ministry of External Affairs (MEA), GoI under its ITEC Programme during January 9th – February 17th, 2023. The programme was inaugurated by Shri Manoj Joshi, Secretary, Ministry of Housing and Urban Affairs, on 11th January, 2023 in the presence of Shri Bibhas Lahiri, Under Secretary, Ministry of External Affairs, Shri M Nagaraj DCP HUDCO, Shri D Guhan DF HUDCO, Dr. Sukanya Ghosh EDT(i/c) and senior officials of HUDCO & HSMI.

Realizing the Right to Adequate Housing Batch 2023 with dignitaries, HSMI Faculty and senior HUDCO officials at the Inaugural Session

This Training Programme was attended by 24 delegates from 20 developing countries viz. Azerbaijan, Cameroon, Cote D’ivoire, Ethiopia, Ghana, Iraq, Kyrgyzstan, Madagascar, Malawi, Maldives, Namibia, Nigeria, Paraguay, Peru, South Sudan, Sudan, Sri Lanka, Suriname, Syria & Tanzania. The participants were from government departments with up to 20 years of professional experience. The programme was highly interactive and various experts and resource persons invited to impart training and interact with the participants included Shri. Kuldip Narayan Joint Secretary, Ministry of Housing and Urban Affairs, Prof. Amitabh Kundu, currently senior Fellow at World Resource Institute, Mrs. Parul Agrawal, Country Manager at UN Habitat India etc.

Formal Solutions to Informal Settlements, March 20th – April 14th, 2023

HUDCO’s Human Settlement Management Institute (HSMI) organised the 51st ITEC training programme on “Formal solutions to Informal Settlements” from 20th March to 14th April, 2023. The Programme was inaugurated by Shri. Kuldip Narayan, Joint Secretary, Ministry of Housing and Urban Affairs in the presence of Shri M Nagaraj DCP, HUDCO, Shri D Guhan DF, HUDCO, Dr. Sukanya Ghosh EDT(i/c) and senior officials of HUDCO & HSMI. There were 25 participants representing 19 countries, including Belize, Cameroon, Commonwealth of Dominica, Ethiopia, Gambia, Lesotho, Malawi, Mauritius, Mongolia, Niger, Paraguay, Peru, Romania, Senegal, South Sudan, Sri Lanka, Tajikistan, Tanzania and Tunisia. The participants were urban development sector professionals and officials from developing countries.
The course was divided into five modules covering various aspects like Urbanisation, New Urban Agenda, SDGs, Land Regulations, Growth of Informal Settlements, Planning and Design Guidelines, Options for Rehabilitation, Provision of Basic Services & Infrastructure and Livelihood options. The various programmes of the Government of India to improve cities and to provide decent living to all, such as Housing for All, Swachh Bharat Mission and National Urban Livelihood Mission such as Housing for All, Swachh Bharat Mission and National Urban Livelihood Mission were also covered during the course of the Programme. The participants visited Jaipur and Agra to get an insight of slum rehabilitation projects across various states in India and also experience the rich and layered cultural history and heritage of India.

E-ITEC TRAINING PROGRAMME
HSMI has also conducted two e-ITEC programmes sponsored by MEA benefitting 23 overseas professionals – firstly on 'Housing For Sustainable Habitats-Policy Planning, Design and Technologies' from 10th to 12th October 2022 for 11 professionals and next on 'Making Cities Future Ready Smart and Carbon Neutral' from 07th to 11th November 2022 for 12 professionals.

- Online Training Programme (e-ITEC) for Overseas Professionals on ‘MAKING CITIES FUTURE READY- SMART AND CARBON NEUTRAL’, 7th November – 11th November 2022

A one week Online training Programme was organised by HUDCO’s HSMI for international participants under the ITEC (Indian Technical & Economic Cooperation Programme) initiative of Ministry of External Affairs, Govt of India. The International programme is one of the annual activities of HUDCO’s HSMI, being conducted since 1994-95. HSMI has conducted programmes on themes related to sustainable cities; planning and management of urban infrastructure; formal Solutions for informal settlements and smart cities etc. So far, over 800 overseas professionals from about 50 countries have attended these programmes over the last 25 years. Even during the Covid pandemic where offline/in-person programmes was not permissible/advisable, HUDCO’s HSMI has carried this process forward through conducting online eITEC Programmes. This was the 6th programme conducted by HSMI under the eITEC programme of the Ministry of External Affairs. The programme was attended by participants from Azerbaijan, Iraq, Kingdom of Eswatini, Mauritius, Sudan, Tunisia and Myanmar.
### I. Capacity Building Online Training Programmes exclusively for HUDCO Employees:

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name/Theme of Training Programme</th>
<th>Duration &amp; Dates</th>
<th>Venue/Institutions</th>
<th>Level of Participants</th>
<th>No of Participants</th>
<th>Training Coordinator(s)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Regulatory Framework and Compliances</td>
<td>08.07.22</td>
<td>HSMI</td>
<td>Key executives-Operations</td>
<td>25</td>
<td>Dr Akshaya K Sen (Fellow)</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Procurement through GeM</td>
<td>18.08.22</td>
<td>HSMI</td>
<td>HR &amp; Admin Wing</td>
<td>25</td>
<td>Ms Poonam Asthana JGM(Admn)</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Scope &amp; Strategies for increasing HUDCO’s Consultancy based income: Experience sharing by Mr R K Gupta, former CMD, WAPCOS</td>
<td>3.08.22</td>
<td>HSMI</td>
<td>All Project officials of HUDCO</td>
<td>25</td>
<td>Ms Pooja Nandy (Fellow)</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>RTI Matters</td>
<td>14.09.22</td>
<td>HSMI</td>
<td>Law Officers</td>
<td>25</td>
<td>Mr Anoop Seth (Fellow)</td>
<td></td>
</tr>
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</table>

**Online Training Programmes for HUDCO Employees**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name/Theme of Training Programme</th>
<th>Duration &amp; Dates</th>
<th>Venue/Institutions</th>
<th>Level of Participants</th>
<th>No of Participants</th>
<th>Training Coordinator(s)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Valuation of Real Estate</td>
<td>23.08.22 - 24.08.22</td>
<td>HSMI</td>
<td>E0-E5, C&amp;C and Projects</td>
<td>25</td>
<td>Ms Pooja Nandy (Fellow)</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Risk Based Internal Audit</td>
<td>01.09.22 - 02.09.22</td>
<td>HSMI</td>
<td>E1- E5 Finance</td>
<td>25</td>
<td>Mr Jeevan S Sahota (Fellow)</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>e-Office tools and utility</td>
<td>17.11.22 - 18.11.22</td>
<td>HSMI</td>
<td>E0- E5</td>
<td>25</td>
<td>Ms Pooja Nandy (Fellow)</td>
<td></td>
</tr>
</tbody>
</table>

**II. Capacity Building Online Training Programmes for ULB & HUDCO officials:**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name/Theme of Training Programme</th>
<th>Duration &amp; Dates</th>
<th>Venue/Institutions</th>
<th>Level of Participants</th>
<th>No of Participants</th>
<th>Training Coordinator(s)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Environmental Sustainability</td>
<td>18.07.22</td>
<td>HSMI</td>
<td>State departments/</td>
<td>25</td>
<td>Mr Anoop Seth (Fellow)</td>
<td></td>
</tr>
</tbody>
</table>
### Training Programmes for ULB & HUDCO Officials

<table>
<thead>
<tr>
<th>Training Programme</th>
<th>Date</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Architecture for Inclusive Cities</td>
<td>7.09.22</td>
<td>Mr Anoop Seth (Fellow)</td>
</tr>
<tr>
<td>Neighbourhood Accessibility Planning and Pedestrianisation in Future Cities</td>
<td>02.12.22</td>
<td>Ms Pooja Nandy (Fellow)</td>
</tr>
</tbody>
</table>

### III. Sponsored Training Programmes for overseas professionals under ITEC:

#### IIIA. e-ITEC Online Training Programme sponsored by MEA

<table>
<thead>
<tr>
<th>Training Programme</th>
<th>Date</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three Days Online Training Programme for ‘Housing For Sustainable Habitats- Policy, Planning, Design And Technologies’</td>
<td>10.10.22-12.10.22</td>
<td>Ms Pooja Nandy (Fellow)</td>
</tr>
<tr>
<td>Five Days Online Training Programme ‘Making Cities Future Ready Smart And Carbon Neutral’</td>
<td>07.11.22 – 11.11.22</td>
<td>Ms Varsha Punhani (Fellow)</td>
</tr>
</tbody>
</table>

#### IIIIB. ITEC Training Programme in physical mode sponsored by MEA

<table>
<thead>
<tr>
<th>Training Programme</th>
<th>Date</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 weeks ITEC Training Programme ‘Realising the Right to Adequate Housing in the context of Habitat III, New Urban Agenda- policies, planning and practices”</td>
<td>09.01.23 to 17.02.23</td>
<td>Dr Akshaya K Sen (Fellow)</td>
</tr>
</tbody>
</table>
HUDCO has been an associate member of CITYNET since 1993. But a major landmark was the establishment of the CITYNET National Chapter-India on the 16th of December, 2013 with 13 member institutions and HUDCO as the lead institution for the National Chapter.

- **Two Day Online CITYNET Training Programme on ‘Balancing the Budgets of ULBs - Resource Mobilisation v/s Responsibilities’, 7th February – 8th February 2023**
Towards achieving this, the India National Chapter lead of CITYNET - HUDCO through its research and training wing, Human Settlement Management Institute organised a two day Online Training Programme for senior and mid-level officials of Urban Local Bodies (ULBs), and HUDCO officers. The objective of the programme was to sensitize the participants about the various strategies through which the ULBs could be strengthened financially. The program also highlighted the challenges of resource mobilization and technical capacity deficit faced by ULBs across the country.

Vertical imbalance, fiscal dependency, borrowing constraints and inefficiency in municipal management are affecting the functioning of urban local bodies. Under-spending in civic services is evidently linked to factors including delegation of revenue powers (decentralization) and dependency of ULBs for resources on upper tiers of government (dependency ratio), revenue (tax) administration, cost recovery and quality of expenditure. While there is a need for empowering the ULBs by according certain fiscal powers to them a lot can also be achieved by improving tax collection mechanism through use of technology and identifying new sources of revenue.

**CAPACITY BUILDING TRAINING PROGRAMMES CONDUCTED FOR STATE PUBLIC AGENCIES AND HUDCO OFFICIALS DURING 2022-23**

I. Capacity Building Online Training Programmes exclusively for HUDCO Employees:

**Online Webinars for HUDCO Employees**
- Analysis of State Budgets and Generation of business through Innovative project Financing
- Webinar on the Occasion of 'World Environment Day' on Only One Earth - Living Sustainably in Harmony with Nature
- RBI Regulatory Framework & Compliances for NBFCs-Implications for HUDCO
- Scope & Strategies for increasing HUDCO’s Consultancy based income: Experience sharing by Mr R K Gupta, former CMD, WAPCOS
- Behavioural training programme on ‘Stress and Anger Free Living and Lifestyle’, organized by HUDCO’s HSMI
- Procurement through GeM
- Chair Yoga

**Online Training Programmes for HUDCO Employees**
- Training Programme on Indian Accounting Standards (Ind AS) - Schedule - III
- Training Programme on Indian Accounting Standards (Ind AS) - Schedule - III
- Valuation of Real Estate

II. Webinars for ULB & HUDCO Officials

- Environmental Sustainability
- Neighbourhood Accessibility Planning and Pedestrianisation in Future Cities
- Urban Landscapes for Universal Mobility & Accessibility in Smart Cities
- Urban Waste Management

**Training Programmes for ULB & HUDCO Officials**
- Training Programmes for CITYNET India national chapter members
- Balancing the Budget of ULBs- Revenue Mobilisation Verses Responsibilities
As part of capacity building, HUDCO’s HSMI has conducted 19 training programs during the year, imparting training to 1138 participants which included HUDCO officials and participants from other institutes. The programme for HUDCO officials included Webinars on diverse subjects like ‘World Environment Day’ and ‘Analysis of State Budgets and Generation of Business through Innovative Project Financing’. Webinar on ‘Stress and Anger Free Living & lifestyle’ and ‘Chair Yoga’ were also organized for the benefit of employees. ‘Procurement through GeM’ being priority of Government, an awareness Webinar was organized for benefit of employees.

- **Webinar for HUDCO officials on ‘Chair Yoga” on 7th. March, 2023**

HUDCO’S HSMI organized a webinar for HUDCO officials on 'Chair Yoga” on 7th. March, 2023. Shri M Nagaraj, Director Corporate Planning, HUDCO inaugurated the webinar in the presence of Shri D Guhan, Director Finance-HUDCO, Dr. Sukanya Ghosh, Executive Director(In-charge)-HSMI, Shri Surendra Singhal, Sr. Fellow and faculty members of HSMI. Hudco throughout its journey of 50 years has ensured a holistic development for all its employees and members. The webinar was conducted to demonstrate and discuss its benefits to people who work at desks all day in the office and who are experiencing limited mobility. Yogarathna Dr. T. Urmila, a qualified yoga therapist graced the occasion as a Resource Person and the programme was coordinated by Smt Neetu B. Malhotra, Fellow HSMI.
• Webinar on “Neighbourhood Accessibility Planning and Pedestrianisation in Future Cities” on 30th January, 2023

HUDCO’s Human Settlement Management Institute (HSMI) organised a webinar on “Neighbourhood Accessibility Planning and Pedestrianisation in Future Cities” on 30th January, 2023 for ULBs, Municipal Corporations and state public agencies. In this webinar, the focus was to bring attention to the issues in human mobility for vulnerable groups, how their needs can be brought forward in the planning discourse of a city, and how data and technology can be leveraged to empower such people. The programme was coordinated by Smt Neetu B. Malhotra, Fellow HSMI.

• Webinar for HUDCO officials on July 8, 2022 on ‘RBI Regulatory Framework & Compliance for NBFCs-Implications

HUDCO’S HSMI organized a webinar for HUDCO officials on July 8, 2022 on ‘RBI Regulatory Framework & Compliance for NBFCs-Implications for HUDCO’. Shri M Nagaraj, Director Corporate Planning, HUDCO inaugurated the webinar and Shri D Guhan, Director Finance-HUDCO gave the concluding remarks in the presence of Dr. Sukanya Ghosh, Executive Director(In-charge)-HSMI, Shri Surendra Singhai, Sr. Fellow and faculty members of HSMI. Shri Md. Majidullah, Dy. General Manager, Depts. of Regulation, RBI was the guest speaker. The Webinar was coordinated by Dr. Akshaya K. Sen, JGM & Fellow, HSMI.

Shri M Nagaraj, DCP, HUDCO inaugurating the webinar on ‘RBI Regulatory Framework & Compliance for NBFCs-Implications ’
Webinar for HUDCO officials on June 6, 2022 on the occasion of World Environment Day on the theme - Only One Earth- ‘Living Sustainably in Harmony with Nature’

HUDCO’S HSMI organised a webinar for HUDCO officials on June 6, 2022 on the occasion of World Environment Day on the theme - Only One Earth- ‘Living Sustainably in Harmony with Nature’. Shri M Nagaraj, DCP inaugurated the webinar and Shri D Guhan, DF gave the concluding remarks in presence of Dr. Sukanya Ghosh, Executive Director (Incharge), Shri Surendra Singhai, Senior Fellow and faculty of HSMI. Prof. Dr. Sanjukkta Bhaduri, HOD, Urban and Regional Planning Deptts., SPA, New Delhi and Dr. Bala Prasad (IFS), Ex Spl. Secretary, Ministry of Panchayati Raj, Govt of India were the keynote speakers. Smt. Varsha Punhani was the Programme Coordinator.

RESEARCH AND DEVELOPMENT ACTIVITIES THROUGH R&D FUND OF HUDCO

Cities are becoming the engine of economic growth but at the same time enormous problems/ issues come to the fore front while evolving any intervention for the betterment of the cities. In order to achieve sustainable city development, creative decision making with the support of new and emerging technologies, energy efficiency, cost reduction approaches are required in the present times. In addition to this, research and development is also necessary to have specific practical application in view so as to improve the quality of life in cities.

Sponsored & Collaborative Research and Impact Evaluation Studies are the other side of the activity coin of HSMI. HSMI research programmes support its training activities and have been developed through small budget research studies. HSMI has devised the Operational Guidelines for Collaborative Research and Development Activities under
Research and Development Plan. The Corporate R&D Policy of HUDCO was approved in 2020 focusing on key areas.

The following themes and sub-themes in research areas in habitat sector are considered for HUDCO research grant.

- Affordable Housing and Public Private Partnership
- Shelter for Urban Poor with focus on homeless
- Public Transport and Land Use Integration
- Eco-cities concept development and implementation
- Climate change Impact, Adaptation, Mitigation strategies for cities
- Sustainable Urban Environmental Infrastructure
- Urban Governance/Municipal Finance/Urban Management
- State Development Report with focus on Housing and Urban Infrastructure – to identify potential in the low demand states for HUDCO loan such as:
- Technologies and Innovation in Housing and Infrastructure

27 Research Studies on themes relating to Housing and Urban Development sectors were completed by HUDCO’s HSMI.

HSMI has adapted and translated thirteen UN-HABITAT manuals on “Leadership and Management for Elected Representatives of Urban Local Bodies”. A research study was undertaken on “Transit Corridor Development” under the CITYNET National Chapter. Another study was undertaken on ‘Improvement of Public Transportation system, the missing links’, under the CITYNET National Chapter.

Apart from collaborative research projects funded under HUDCO R&D Policy grants, HSMI has also carried out research projects through its in-house faculty on key topics such as ‘Viable Rental Housing Models for Promotion of Rental Housing in India’ and Comparative study of Energy efficiency norms for green housing with special focus on Affordable Housing (HSMI), sponsored & financed by the Ministry of Housing & Urban Affairs (MoHUA), Govt. of India.

**HUDCO CHAIR INSTITUTIONS:**

The objective of HUDCO Chair Program, has been to strengthen the research and capacity building activities in the Habitat Sector, wherein an annual funding to the extent of Rs. 20 lakh per Chair is provided to support activities/deliverables that give tangible output by way of research reports, training manuals and training of functionaries of ULBs, Housing Boards and other State agencies. The terms of reference included that the HUDCO Chair institution shall provide inputs in one or many of (i) Research and documentation activities; (ii) Training of Trainer programmes (TOT) (iii) Skill development programmes; (iv) Interface programmes; (v) Preparation of training manuals, background papers, guidelines, discussion notes, etc. relating to specific area of human habitat or in newer and
complementary fields. The notable HUDCO chair institutions that have been associated from time to time with HSMI are:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of chair</th>
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<tbody>
<tr>
<td>1.</td>
<td>RCVP Noronha Academy of Administration &amp; Management, Bhopal</td>
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<tr>
<td>2.</td>
<td>Administrative Training Institute (ATI), Kolkata</td>
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<tr>
<td>3.</td>
<td>Indian Council for Research on International Economic Relations (ICRIER), N. Delhi</td>
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<tr>
<td>4.</td>
<td>Indian Institute of Technology, Kanpur</td>
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<td>5.</td>
<td>Uttarakhand Academy of Administration (UAoA, Nainital)</td>
</tr>
<tr>
<td>6.</td>
<td>TERI University, New Delhi</td>
</tr>
<tr>
<td>7.</td>
<td>R V College of Engineering, Bangalore</td>
</tr>
<tr>
<td>8.</td>
<td>Haryana Institute of Public Administration, Gurgoan</td>
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<tr>
<td>9.</td>
<td>School of Planning and Architecture, New Delhi</td>
</tr>
<tr>
<td>10.</td>
<td>Centre for Environmental Planning and Technology (CEPT) University, Ahmedabad</td>
</tr>
<tr>
<td>11.</td>
<td>National Institute of Urban Affairs(NIUAn, N. Delhi</td>
</tr>
<tr>
<td>12.</td>
<td>Centre For Research In Rural And Industrial Development (CRRID), Chandigarh</td>
</tr>
<tr>
<td>13.</td>
<td>Himachal Pradesh Institute of Public Administration (HIPA), Shimla</td>
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<td>14.</td>
<td>Indian Institute of Public Administration (IIPA), Delhi</td>
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<td>15.</td>
<td>Kerala Institute of Local Administration (KILA), Thrissur, Kerala</td>
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<td>16.</td>
<td>State Institute for Urban Development, Mysore</td>
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<td>17.</td>
<td>J&amp;K Institute for Management, Public Administration and Rural Development (J&amp;K IMPARD), Srinagar</td>
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<tr>
<td>18.</td>
<td>Yashwantrao Chavan Academy of Development Administration (YASHDA), Pune</td>
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<tr>
<td>19.</td>
<td>Indian Institute of Dalit Studies, New Delhi</td>
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<td>20.</td>
<td>University of Hyderabad, Hyderabad</td>
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<tr>
<td>21.</td>
<td>Institute of Social Sciences (ISS), New Delhi</td>
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<td>22.</td>
<td>AP HRD Institute, Baptala</td>
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</table>
NETWORKING

The Stakeholders that are partnering the growth of HSMI belong to diverse sectors and groups. HSMI is continually engaged in partnerships and collaboration with these for networking in the field of human settlements, at international, national and state levels by organizing and participating in exchange programmes and other information and experience sharing events.

Government Sector:

HUDCO is a Public Sector Undertaking under the Ministry of Housing and Urban Affairs and HUDCO’s HSMI has been recognized as a National Resource Centre by the Ministry of Housing and Urban Affairs (MoHUA). HSMI has previously participated in the planning processes through consultations for framing of Policies in the Urban Development sector. Various central and state government ministries/agencies, All India Housing Development Association (AIHDA) collaborated with HSMI on capacity building programmes or as HUDCO chair institutions.

Institutions

Some of the partnerships and networking activities of HSMI include UN-HABITAT, IHS Rotterdam, IBSA-HS (India, Brazil and South Africa – Human Settlements), CITYNET, and ITEC training programmes at the international level.

IHS Rotterdam provided mentorship and education to HUDCO officials, as well as training and capacity building as part of its involvement in the establishment of HSMI.

The Asia Pacific Ministerial Conference on Housing & Urban Development (APMCHUD) is an inter-governmental mechanism on the promotion of sustainable development of Housing and Urban Development in the Asia-Pacific Region. India provided hosting for the APMCHUD permanent Secretariat in New Delhi. HUDCO serves as the nodal institution on behalf of the nodal ministry, the Ministry of Housing and Urban Poverty Alleviation.

CITYNET is the largest association of urban stakeholders committed to sustainable development in the Asia Pacific region. The Network of Cities, which was founded in 1987 with assistance from UNESCAP, UNDP, and UN-Habitat, now includes more than 135 municipalities, NGOs, for-profit businesses, and research facilities. CITYNET National Chapter-India was established in 2013 with 13 member institutions and HUDCO as the lead institution for the National Chapter.

IBSA is a trilateral arrangement between India, Brazil and South Africa aimed at promoting South-South Cooperation and exchange. A Working Group on Human Settlements (WGHS) under the umbrella of IBSA is committed to work on policy framework and research work in the member countries. HSMI has previously assisted the working group with the documentation work of WGHS annual conferences.

The Indian Technical and Economic Cooperation (ITEC) programme under MEA was instituted in 1964, as a bilateral programme of assistance by the Govt of India. Over the
last several decades, ITEC contributed substantially to capacity building in many parts of the world. ITEC programmes have attracted thousands of participants from Asia, Africa, Latin America and Central Europe for training in a diverse range of subjects at a number of institutes across the country.

**National Institutions** - HUDCO’s HSMI & NAREDCO had signed Memorandum of Understanding under which training programmes on “Real Estate Management” and a fee-based customized training programme for officers of Rail Land Development Authority (RLDA) were conducted. HSMI is associated with many reputed academic and Research Institutions apart from 22 HUDCO Chair Institutions at the national level.