



HARYANA

planners newsletter

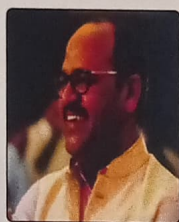
INSTITUTE OF TOWN PLANNERS, INDIA

No.22

March, 2021

From Editor's Desk

Dear Esteemed members,



I am glad to present the 22th issue of Haryana Planners Newsletter of ITPI-HRC. To foster the planning profession, The HRC organized a seminar on "Water Management" at Club Nirvana Patio, Nirvana Country, Sector-50, Gurugram to facilitate the town planners and practitioners to achieve a balanced and healthy urban development.

Due to pandemic Covid-19, a few online initiatives were taken by Haryana Regional Chapter (ITPI-HRC), Panchkula by organising three webinars on the themes "Discourse on the Emerging urban planning solutions for COVID-19", "Artificial Intelligence & Urban Planning", "Geospatial Technologies for Ensuring Better Habitats" and online quiz on the theme "Biodiversity of Haryana".

To enhance research activities, various research topics have been selected and research is being done on the same. The Research study on "Riverfront Development-Ghaggar River" has been finalized and is being published.

I hope the content of newsletter will be helpful in providing updates on the latest developments. I also request all members of HRC to contribute articles/news for publication in the next issue of newsletter and also to come forward to share views/ experiences on the research topic.

V.K Goyal
Chairman, ITPI-HRC

Contents

From Editor's Desk	1
Seminar on the theme "Water Management "	1
Webinar on the theme "Discourse on the Emerging Urban Planning Solutions for COVID-19"	5
Online Quiz on "Biodiversity of Haryana"	6
Webinar on the theme "Artificial Intelligence & Urban Planning"	7
Webinar on the theme "Geospatial Technologies for Ensuring Better Habitats"	8
Article on theme "Spatial Approach for Utilization of Linear Vacant Land along the Railway Tracks & Roads"	9
News Updates	23
Chairman's Desk	25

Seminar on the theme "Water Management"



Session in Progress

The Institute of Town Planners, India, Haryana Regional Chapter (ITPI-HRC), Panchkula had organized one day seminar on the theme 'Water Management' at Club Nirvana Patio, Nirvana Country, South City-II, Sector-50, Gurugram and the main focus of the seminar was to understand the techniques and strategies to optimally utilize the water. The presentations were followed by very lively and thought provoking interactive session to emphasize "Water Management". The seminar was attended by more than 50 delegates including Town Planners, Architects, Engineers and other professionals from Haryana, Punjab, Chandigarh and New Delhi.

Speaking on the occasion, Sh. Sudhir Chauhan, Senior Town Planner welcomed and briefed the participants about the aims and objectives of ITPI HRC and the relevance of the topic "Water Management" in the present day context followed by the presentation given by Research Team Ms. Gurpreet Kaur Virk and Ms. Vijeta Nigam of ITPI-HRC. The newsletter of HRC was also released by Sh. Sudhir Chauhan, the then Chairman, ITPI-HRC on the occasion.

HRC opted for ecofriendly concepts by giving cloth bags which could be re-used instead of plastic bags and also Reusable Glass bottles were used for serving water instead of plastic water bottles during the seminar.



Inauguration of the Seminar



Release of HRC Newsletter

The technical session was chaired by **Sh. V.K Goyal, the then Chief Coordinator Planner, NCR, Haryana**. Presentations were made in the seminar by various experts on the subject namely **Mr. Anshuman**, Associate Director, Water Resources, TERI presented on "Urban Water Demand Management", **Mrs. Swati Sharma**, Lead-Programs and research, Future Institute, New Delhi gave presentation on 'Urban Water Management', **Mr Ravi Gupta**, BM Gupta Developers Pvt. Ltd., Rewari and **Prof. Vibhore Bakshi**, Assistant Professor, SPA Bhopal, emphasized on the topic "Water Management: Critical Issues and Solutions". The seminar ended with the interactive session including discussions and suggestions given by the audience and residents of Gurugram present in the seminar. The Vote of Thanks was extended by Sh. Vijay Kumar, the then Secretary ITPI-HRC.

Recommendations of Seminar

The findings and recommendations of the Seminar:-

1. Water is increasingly stressed due to urban development, over- exploitation and resource mismanagement. The utmost emergency of providing water to all segments of population could only be achieved by protecting, assessing and rejuvenating our water resources.
2. Water as a resource management cannot be understood in isolation. Such resources require in depth study of hydrology, geomorphology, ground water aquifer (confined & non- confined), rainfall, TDS, water quality, soil texture, run-off co-efficient, slopes etc. as making water available for present and future should be our prime motive therefore developing settlements based on water sensitive planning is a way forward.
3. Identify micro-watersheds and develop a sponge city.

4. Non- sensitive zone to be provided to utilize for industrial and relevant polluting industries with equipped infrastructure.
5. Water management is the activity of planning, developing, distributing and optimum use of water resources under defined water policies and regulations. It includes:
 - (1) Management of water, Treatment of drinking water, industrial water, sewage or waste water.
 - (2) Management of water resources.
 - (3) Management of flood protection.
 - (4) Management of irrigation.
 - (5) Management of the water table.
6. Successful management of any resources requires accurate knowledge of the resource available, the uses to which it may be put, the competing demands for the resource, measures to and processes to evaluate the significance and worth of competing demands and mechanisms to translate policy decisions into actions on the ground.
7. India being in category of water stressed country and falling in top symptoms of abstraction due to declining water availability, increasing & competing of water demand in various sectors. The alarming status of overexploited states/regions of Delhi, Punjab, Rajasthan and Gurugram was highlighted. The speaker also focused in the rising trend of BOD and almost 50% untreated sewage in river Ganga. Some of the problems identified are: Unsustainable and inefficient water-usage, no metering system, irrational tariff, water quality problems, demand-supply gap etc.
8. Mrs. Swati Sharma, Lead-Programs and research, Future Institute, New Delhi gave presentation on 'Urban Water Management' with focus on India's drinking water scenario, as per which, 21 major cities are expected to run out of groundwater by 2020, affecting around 100 million people. The process of urban water management cycle was also elaborated which include recycling, harvesting, distribution and storage. The basic idea of the presentation was to utilize water where it falls by elaborating through examples of Rejuvenation of Urban Ponds in Gurugram and Self Sustainable master planning for HIAL, Ladakh.
9. Mr. Ravi Gupta, BM Gupta Developers Pvt. Ltd., Rewari, emphasized the concept of providing space for ponds and forest in between while planning any residential site, for rejuvenation of the ecosystem. He also emphasized to incentivize the private developers to collect waste water in the covered ponds after primary treatment.
10. Prof. Vibhore Bakshi, Assistant Professor, SPA Bhopal, emphasized on the topic "Water Management: Critical Issues and Solutions". He elaborated the present Issues and Concerns regarding Water Resource Management in India-Poor Management, Climate change, Ground water depletion and lack of holistic approach. He focused on the importance of Non-revenue water approach to be followed and water related interventions in Ahmadabad. HRC is of view that the implementation of the above relevant points would go a long way in solving the delicate issues related to the water management.

The Institute of Town Planners, India, Haryana Regional Chapter (ITPI-HRC), Panchkula had organized webinar on 30th May, 2020 on the theme "Discourse on the Emerging urban planning solutions for COVID-19", a quick interactive and educating session. Our thanks to Shri. Diwakar Meshram, ITPI president for his constant support and various experts and students from institutions. The discourse started with welcome address by Sh. Sudhir Chauhan. The Webinar had eminent experts in the field of Urban & regional planning included Sh. S.D. Saini, Former Vice President ITPI, Smt. Gurpreet Kaur, Research Officer, ITPI, Sh. R. Srinivas, Senior Town Planner, TCPO & Mr. Niranjana Setty, City Manager, UN-Habitat. All the panelists discussed about the changing urban planning paradigms as far as pandemic is concerned. The webinar, highlighted the emerging solutions that can be undertaken to solve the issues associated with migration, creating recreational spaces, real time data monitoring and other tools. The experts from multiple disciplines are enthusiastically studying the impact of COVID-19 globally with speculations about future, which cities have witnessed at present in terms of physical and social crisis due to such a pandemic. The historic chronology of pandemics in Europe, US and Asia has sown the seeds for positive and negative externalities. The pandemic has significantly altered urban life, number of people moving around has dropped to unprecedented low levels, and the fate of millions of entrepreneurs is up in air. The discourse focused on the plethora of facets of urban planning envisaging how adversities due to COVID-19 could be reduced up to certain extent. It alludes on preparedness and post pandemic challenges for policy makers, urban planners and government in terms of density, housing, public spaces, green and blue spaces, resilience and creation of data sets and sharing of real time information to communities so as to avoid panic during pandemic. Furthermore it addressed the growing concerns for health and mobility by inculcating the sustainable development goals of good health and wellbeing, Industry innovation and Infrastructure and Sustainable cities and communities. The panelist addressed on the time to re-think and re-invent measures for promoting active transportation for all the emerging cities and facilitate adequate infrastructure in terms of network accessibility. More than 200 participants had registered for the discourse; it was good to see the participants from diverse background. The session was participatory and inclusive in terms of questions asked from the experts. It was a fruitful session indeed. At last, thanks to Institute of Town Planners, India for initiating knowledge exchange program.

Online Quiz on "Biodiversity of Haryana"

The Institute of Town Planners, India, Haryana Regional Chapter (ITPI-HRC), Panchkula had organized an online Quiz on the theme "Biodiversity of Haryana" to celebrate World Environment Day on 05th June 2020 (Friday). It was first of its kind Online Quiz hosted by any ITPI regional chapter in India. Haryana is the first one to initiate this kind of an online quiz, which have gain appreciation in various social and print media platforms including "The Times of India". This quiz was open to all age groups and had a total of 50 multiple-choice questions (MCQs) of 2 marks each. 10 MCQs were of picture identification in form of birds, animals, reptiles, flowers and tree species like Painted stork, Vachellia nilotica, Boselaphus tragocamelus and Saraca asoca etc. 40 MCQs were

related to Biodiversity Parks, National Parks, Wildlife sanctuaries, Bio-geography, URDPFI guidelines, Wildlife Protection Act and Biological Diversity Act etc. Total 30 minutes were allotted for mandatory registration and response to all 50 MCQs. The quiz was opened at 11:00 AM and participants were asked to submit the responses within 30 minutes i.e. before 11:30 AM. More than 100 people participated from various field of professions as well as academic institutions. Graduate, Post-graduate students and faculty from Ansal University, Banaras Hindu University, Om Sterling Global University, School of Planning and Architecture participated with full enthusiasm and courage. Many Town Planners, Research Officers, Landscape designers and Consultants from renowned organizations like Department of Town and Country Planning (Haryana), Delhi Development Authority, Apple, ICLEI, Ernst & Young, NIUA, TCPO, MoHUA and Municipal Corporations participated in fairly large number despite being a busy working day for them. Highest scorer scored 98 marks, runner up scored 96 marks and third one scored 88 marks out of total 100 marks. An honorarium was also awarded to the top three scorers. The quiz was made successful by efforts of Sh. Sudhir Chauhan and Sh. Vijay Kumar. The list of eminent participants included Sh. R. Srinivas, Senior Town Planner (TCPO, MoHUA), Ms. Marisha Sharma, Director/Technical (Min Mec Consultancy Pvt. Ltd.) and Ms. Avantika, Senior Manager (ICLEI SA).

Webinar on the theme “Artificial Intelligence & Urban Planning”

The Institute of Town Planners, India, Haryana Regional Chapter (ITPI-HRC), Panchkula had organized webinar on 25th July, 2020 (Saturday) on the theme “Artificial Intelligence & Urban Planning”, focused on the need and research question of “would robots take over and do urban planning for us”? Well, they might and might not; it’s still very early to say. The difficulty of automating tasks in urban planning is the reason we planners currently do not feel the heat of being overtaken by our machine overlords. But can we dedicate super complex tasks to machines and take responsibility for decisions and administration for city management? Can Artificial Intelligence be utilized as a friend in crunching large datasets and values to provide numerical scales that we can use to determine future action? The chief guest for the occasion was Dr. D. S. Meshram, President, ITPI. The discourse started with welcome address by the then ITPI HRC chairperson Sh. Sudhir Chauhan & Mr. Vibhore Bakshi, young academician from SPA Bhopal. The eminent speaker for the discourse was Dr. Deepank Verma. He is an AI Expert from IIT-Bombay. He further works on deep learning applications specific to computer vision, audio analysis, and remote sensing. His research interests include Data mining, Machine Learning, Remote Sensing, Human perception, and Urban Design. He wishes to create tools for smart urban planning and development. The webinar highlighted the evaluation of what people perceive about their surroundings is essential in studies related to urban design and planning, mental and physical health, individual well-being, and quality of life. In the webinar we discussed about:

1. Introduction to Human perception of urban surroundings as a topic and why it is interesting.
2. Introduction to Deep Learning models that can aid such studies. a. Convolutional Neural Network models for Object Detection, Semantic Segmentation, and Image Classification. b. Sound Classification from Recurrent Neural Networks. c. Combining these models to gather

details we need for the abovementioned study.

3. How Urban Planning and Artificial Intelligence (AI) go hand in hand and why AI is the need of the hour.

This was the second successful webinar of ITPI HRC, and there was an immense registration of more than 400 participants across the country. It was good to see the participants from diverse background. The session was participatory and inclusive in terms of questions asked from the experts. It was a fruitful session indeed. At last, thanks to Institute of Town Planners, India for initiating knowledge exchange program.

Webinar on the theme "Geospatial Technologies for Ensuring Better Habitats"

The Institute of Town Planners, India, Haryana Regional Chapter (ITPI-HRC), Panchkula had organized webinar on 26th September, 2020 (Saturday) on the theme "Geospatial Technologies for Ensuring Better Habitats". The Webinar started with welcome address by the then ITPI HRC chairperson Sh. Sudhir Chauhan. Mr. Anugrah Nagaich, Assistant Professor (Department of Architecture and Planning, MANIT Bhopal) was the key speaker focused on some of the challenges in developing and implementing appropriate field data collection protocols to selecting suitable field equipment in GIS. He also focused on the Sustainable Development Goals or Global Goals which are a collection of 17 interlinked goals designed to be a "blueprint to achieve a better and more sustainable future for all" and also he discussed about the applicability of Geospatial Technologies. This was the third successful webinar of ITPI HRC, and there was an immense registration of more than 100 participants across the country. It was good to see the participants from diverse background.

News Updates

1. HRC has successfully completed plantation drive at Gurugram in the green belt of the station road at Apna Enclave Society in collaboration of the RWA.
2. Seminar held on the theme "Water Management" at Club Nirvana Patio, Nirvana Country, Sector-50, Gurugram.
3. National Flag was hoisted on the occasion of Independence Day by members at ITPI-HRC building on 15th August, 2020.
4. Research study on "Riverfront Development: Ghaggar River" has been completed under the guidance of Sh. S.D Saini, Council member and ex-vice president of ITPI-Delhi.
5. West Zone Conference was attended by Sh. S.S Chauhan, Chairman, ITPI-HRC, which was held on the theme "Sustainable Planning Strategies to Mitigate Effects of Climate Change" was held on 29th February 2020 in Goa, India.

Executive Members of ITPI-HRC for the Year 2020-21

S. No	Name	Designation	Contact
1.	Sh. V.K. Goyal	Chairman	9915805621
2.	Sh. Narender Kumar	Secretary	9958028568
3.	Sh. Rahul Singla	Treasurer	8196900635
4.	Sh. Sudhir Singh Chauhan	Ex Officio Member	9910107998
5.	Sh. Vijay Kumar	Ex Officio Member	9316047083
6.	Sh. S.D Saini	Executive Member	9888133081
7.	Sh. Nadim Akhtar	Executive Member	9417215786
8.	Sh. P.P Singh	Executive Member	9316128594
9.	Sh. Sanjay Kumar	Executive Member	8146068000
10.	Sh. Manjit Singh	Executive Member	9530634282
11.	Sh. Ravish Jyani	Executive Member	9888110581
12.	Sh. R.P. Singh	Special Invitee	9896458100 9468314987
13.	Smt. Divya Dogra	Auditor	8860201290

Conveners for the Committee of ITFRC (2020-21)

Building & Maintenance Committee

i. Sh. Sudhir Singh Chauhan

R&D and Library Committee

i. Sh. P.P Singh

Accounts Committee

i. Sh. Devendra Nimbokar

Professional Development Committee

i. Sh. Nadim Akhtar

Stop the spread of COVID-19
Reduce the risk!



Wash your hands frequently



Maintain safe distance from others



Wear face-mask at all times

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