



SYMPOSIUM ON  
**INFRASTRUCTURE DEVELOPMENT  
AND MANAGEMENT IN**



**FUTURE CITIES**

17-18 APRIL, 2019 | THE PARK, KOLKATA



*Organized by*

**Ranbir and Chitra Gupta School of Infrastructure Design and Management**

**Indian Institute of Technology Kharagpur**



## “ About the School

The Ranbir and Chitra Gupta School of Infrastructure Design and Management (RCGSIDM), IIT Kharagpur, is the first of its kind in India wherein students and professors from multiple disciplines have been working in conjunction since 2008 to provide the best research solutions. The School provides interdisciplinary technical and management skills to foster the demands of the growing infrastructure sector in our country. The school opens its doors for post-graduation and doctoral programs for students from various disciplines, including Architecture, Planning, Civil Engineering, Mechanical Engineering, and Electrical Engineering.

The School boasts of international collaborations with esteemed universities like Columbia University, Massachusetts Institute of Technology, Georgia Institute of Technology, University of Virginia, Lawrence Tech University, University of Tokyo, Tokyo Metropolitan University, Curtin University, National Yunlin University, and so on. The School is currently linked with four mega projects funded by the Ministry of Human Resources Development (MHRD), namely the 'Future of Cities', 'SANDHI', 'Uchhatar Avishkar Yojana' and 'IMPRINT'. The School also offers short-term courses under various schemes such as the Global Initiative of Academic Networks (GIAN) and Technical Education Quality Improvement Programme (TEQIP). It has also hosted industry and guest lectures allowing students to have one-on-one interaction with national and international experts in academia and practice. ”

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## “ Message from the Head

“Large infrastructure projects require strong, interdisciplinary technical and management skills. It has therefore become imperative that institutes bestowed with solid foundations in engineering, architecture, and management skills should initiate academic programmes to develop trained manpower in this upcoming area of infrastructure design and management. Indian Institute of Technology Kharagpur has a vantage position with regard to its existing faculty and academic programmes in the areas of engineering, architecture and management. The institute, with its numerous academic departments, centres, and schools with academic programmes in such wide ranging areas such as law, management, architecture and engineering, is in a uniquely advantageous position to contribute to the nation's goal of building world-class infrastructure. Here in RCGSIDM, we work as inter-disciplinary research and academic group to address the problems faced by the community on real time basis with the help of existing and state of the art technologies” ”

# “ Objective of the Workshop

Urban India is facing multifaceted challenges in infrastructure development and management due to growing population, rapid urbanization, increasing vehicle ownership, and physical constraints associated with capacity augmentation. The growing imbalance between demand and supply of infrastructure has started affecting the quality of urban life adversely.

In order to enhance the quality of urban life, the Government of India has launched the smart cities mission and targeted 100 Indian cities to be developed as smart cities. This mission is unique to create economic opportunities and enhanced quality of life through interventions in infrastructure, services, and regulations related to housing, transport, water, healthcare, education, energy, waste management, etc. Several other initiatives have also been taken up by the Government of India and various State Governments to improve the urban infrastructure and management system. Technology is also playing a big role in augmenting urban life. Altogether, urban infrastructure development and technology driven management system have become the two key pillars for ensuring sustainable development of the cities.

With this background, this symposium has been organized to create a platform for interaction and exchange among various stakeholders involved in the reforms of urban infrastructure and management system. The outcomes from the symposium are expected to contribute and augment the on-going efforts for improving urban India. ”

## Patrons

**1. Prof. Partha Pratim Chakrabarti,**  
Director, IIT Kharagpur

**2. Mr. Ranbir Gupta,**  
Patron, RCGSIDM

## Organizing team - RCGSIDM

**1. Prof. Arkopal Kishore Goswami,**  
Asst. Professor, RCGSIDM

**2. Prof. Ankhi Banerjee,**  
Asst. Professor, RCGSIDM

**3. Prof. Bharath Aithal,**  
Asst. Professor, RCGSIDM

**4. Prof. Sutapa Das,**  
Asst. Professor, RCGSIDM

**5. Prof. Swati Maitra,**  
Asst. Professor, RCGSIDM

**6. Prof. Bhargab Maitra,**  
Professor and Head, RCGSIDM

## Coordinating team

**1. Prof. Joy Sen,**  
Professor and Head, ARP

**2. Prof. Nirjhar Dhang,**  
Professor and Head, Civil Engineering

**3. Prof. Sriman Kumar Bhattacharya,**  
Deputy Director, IIT Kharagpur



# Schedule

## Symposium on

### Infrastructure Development and Management in Future Cities

Organized by: RCG School of Infrastructure Design and Management (RCGSIDM), IIT Kharagpur

Venue: The Park Hotel Kolkata

#### DAY – I (April 17, 2019)

9:00 am – 09:45 am	Registration
<b>Session - I : 9:45 am – 11:15 am</b>	
9:45 am – 10:30 am	Workshop Kick-off
	<ul style="list-style-type: none"> <li>Prof. Bhargab Maitra, Head, RCGSIDM, IIT Kharagpur</li> <li>Prof. Joy Sen, Head, Architecture and Regional Planning, IIT Kharagpur</li> <li>Prof. Nirjhar Dhang, Head, Civil Engineering Department, IIT Kharagpur</li> <li>Prof. Partha Pratim Chakrabarti, Director, IIT Kharagpur</li> <li>Mr. Ranbir Gupta, Chairman, Advisory Committee, RCGSIDM, IIT Kharagpur</li> </ul>
10.30am-11:15am	Shri Debashis Sen, IAS, Additional Chief Secretary, Govt. of West Bengal, Inf. Tech. & Elec. Deptt., & CMD-WBHIDCO and Chairman & Managing Director, NKDA
11:15 am – 11:30 am	Tea Break
<b>Session - II : 11:30 am – 1:00 pm</b>	
<b>Session Chair: Mr. Arunendu Banerjee, Director, STS System</b>	
	<ul style="list-style-type: none"> <li>Dr. Mangu Singh, MD, Delhi Metro Rail Corporation Ltd. (DMRC), New Delhi</li> <li>Dr. Henry H Chen, Counsellor &amp; Director, Science and Technology Division, Taipei Economic and Cultural Center in India (TECC), New Delhi</li> </ul>
1:00 pm – 2:00 pm	Lunch
<b>Session - III : 2:00 pm – 4:00 pm</b>	
<b>Session Chairman: Dr. Jayanta Basu, Director, EnGIO</b>	
	<ul style="list-style-type: none"> <li>Dr. Ramnath Sonawane, CEO, Nagpur Smart and Sustainable City Development Corporation Ltd.</li> <li>Mr. M. Chandrashekar, Chief Engineer, Davanagere Smart City Limited, Karnataka</li> <li>Ms. K Vijaya Lakshmi, Chief, Transport and Communications Division, Mumbai Metropolitan Region Development Authority</li> </ul>
4:00 pm – 4:15 pm	Tea Break
<b>Session - IV : 4:15 pm – 6.15 pm</b>	
<b>Session Chairman: Prof. G. J. Joshi, SVNIT Surat</b>	
	<ul style="list-style-type: none"> <li>Mr. Chaitanya Y. Bhat, CEO, Surat Smart City Development Limited. &amp; Dr. Rajesh Pandya, MD, Surat Sitalink Ltd. and Deputy Municipal Commissioner, Surat Municipal Corporation</li> <li>Mr. Swayandipta Pal Chaudhuri, MD and CEO, Imagine Panaji Smart City Development Limited</li> <li>Shri Arghya Sardar, Technology, Information, Forecasting and Assessment Council (TIFAC), New Delhi</li> </ul>
6:15 pm – 06:30 pm	Findings of Day I and closing

#### DAY – II (April 18, 2019)

<b>Session - V : 9:30 am – 10:45 am</b>	
<b>Session Chair: Prof. Sudip Kumar Roy, IEST Shibpur</b>	
	<ul style="list-style-type: none"> <li>Mr. K. Kamesh Rao, COO, GMR Airport Developers Limited, Hyderabad</li> <li>Mr. Peeyush Pandey, IPS, ADG and IGP, West Bengal</li> <li>Mr. N. S. Nigam, IAS, Secretary, Transport Department and Managing Director, WBTC, Kolkata</li> </ul>
10:45 am – 11:00 am	Tea Break
<b>Session - VI : 11:00 am – 1:00 pm</b>	
<b>Session Chair: Prof. Sanjeev Sinha, NIT Patna</b>	
	<ul style="list-style-type: none"> <li>Mr. Manojit Bose, Chief Knowledge Officer, Pune Smart City Development Corporation Limited</li> <li>Mr. R Rama Krishna Rao, Advisor, APDRI, New Capital City Area, Amaravati Smart City</li> <li>Dr. P S Acharya, Head &amp; CEO - National Spatial Data Infrastructure (NSDI), DST, Govt. of India, New Delhi</li> </ul>
1:00 pm – 2:00 pm	Lunch
<b>Session - VII : 2:00 pm – 4:15 pm</b>	
<b>Session Chair: Prof. Manoj Datta, D.G College of Architecture, Calicut</b>	
	<ul style="list-style-type: none"> <li>Mr. S. R. Srivastava, Engineer-in-Chief, Atal Nagar Vikas Pradhikaran (Naya Raipur Smart City)</li> <li>Mr. V. Subbarao Chunduru, Director, IBI Group, Bengaluru</li> <li>Dr. Rajesh Purohit, Director, Indian Museum, Kolkata</li> </ul>
4:15 pm – 4:30 pm	Tea Break
<b>Session - VIII : 4.30pm – 5:50pm</b>	
<b>Session Chair: Mr. Samiran Sen, Managing Director, ETE Consulting Services Pvt. Ltd</b>	
	<ul style="list-style-type: none"> <li>Mr. Subrata Gupta, IAS, Principal Secretary, Urban Development and Municipal Affairs Department, Govt. of West Bengal</li> <li>Prof. Sriman Kumar Bhattacharya, Deputy Director, IIT Kharagpur</li> </ul>
5:50 pm – 6:00 pm	Concluding Remarks & Vote of Thanks