

CONTENTS

TECHNICAL SESSION : PLANNING VISION

1.	Bridging the Missing Links of Smart City Concept	1
	<i>Uttam K. Roy, Dr. Madhumita Roy, & Arpan Dasgupta</i>	
2.	Smart Cities for India	08
	<i>Dr. K M Soni</i>	
3.	Futuristic Planning for Smart Cities	16
	<i>Dr. Oscar Concessao</i>	
4.	Developing Smart Cities in India	21
	<i>Deepak Narayan</i>	
5.	Smart Materials and Systems for Smart Cities	27
	<i>Dr. Talakokula Visalakshi & Dr. Suresh Bhalla</i>	
6.	Innovative Concepts in Making of Smart Cities	32
	<i>Kamalpreet Singh</i>	
7.	Developing Smart and Self Sustainable Cities-Case Studies	37
	<i>Vaibhav Kumar Srivastava</i>	
8.	The Making of Smart Cities: GIFT and Palava	43
	<i>Dr. Asmita Bhardwaj</i>	
9.	Making Cities Liveable: Exploring a Holistic	47
	Approach towards Smart Growth <i>Sourojee Dutta</i>	
10.	Smart City as the Engine of Sustainable Growth	53
	<i>Dr. Arindam Biswas</i>	
11.	Smart Cities - A Perspective View	58
	<i>Dr. Pardeep Kumar Gupta & Dr. R.K. Khitoliya</i>	
12.	Exploring the Smart City Paradigm in the Context of Urban India	63
	<i>Madhava Rao Talabathula & Dr. Arindam Biswas</i>	

13.	Innovative Concepts in Making of Smart Cities	73
	<i>Anasua Guha Thakurta & Lt. Col. Anuja Kumar Acharya</i>	
14.	Intelligent, Inclusive and Integrated Planning for Smart Urban India	82
	<i>A.K. Jain</i>	
15.	Planning and Design of Sustainable Smart Cities in India	91
	<i>R.B. Gautam</i>	
16.	Analysing, Planning and Implementation	97
	Trends for Sustainable Smart Cities <i>Purushottam P. Doijode & Lt. Col. Onkar Bhandurje</i>	
17.	Smart Cities : Need of India	102
	<i>B.N. Moolchandani</i>	
18.	Making of Smart City or Liveable City	108
	<i>Gaurisankar Dubey</i>	
19.	Smarter Solutions for Developing Smart Cities in India	113
	<i>Narender Singh</i>	
20.	Reliable Utilities- Smart Water : A Case Study of	119
	Township from Hinjewadi, Pune <i>Abhishek Raghunath Dole</i>	

TECHNICAL SESSION : GOVERNANCE & FINANCING

21.	Smart Urban Governance	127
	<i>Dr. Ponni M. Concessao</i>	
22.	Challenges of Infrastructure Financing in India	132
	<i>K.R.Ramana & Dr. P.Hanumantha Rao</i>	
23.	Innovative Financing for Development of Smart Cities	137
	<i>Alok Kumar Tripathi</i>	

TECHNICAL SESSION : ENVIRONMENT SUSTAINABILITY

24.	Environmental Sustainability for Smart Cities	143
	<i>Kanika Bansal</i>	

25.	Sustainable Urban Development: An Integral Element of Smart City <i>Harjot Singh, Akarsh Dwivedi, Sachin Joseph Varghese & Siddesh K. Pai</i>	152
26.	Smart City-Sustainable City: Learning from Tradition <i>Deependra Prashad</i>	157
27.	Environmental Sustainability: The Essence for Future Smart Cities <i>Dr. Sushma</i>	164
28.	Harmonization of GHG & Air Pollution: Emission Inventories in Smart Cities <i>Shakti Prakash</i>	170
29.	Role of Green Buildings in Making the Cities Smarter –A Case Study <i>Anshul Sheokand & Dr. R.K Khitoliya</i>	175

TECHNICAL SESSION : ENERGY MANAGEMENT

30.	Smart Metering for Utility Services <i>K. V. Singh & Dr. K. M. Soni</i>	181
31.	Building Smart Infrastructure by Combining SHM and Energy Harvesting for a Smart City <i>Dr. Naveet Kaur & Dr. Suresh Bhalla</i>	186
32.	Energy Efficient Concepts for Smart Cities <i>Usha Batra</i>	190
33.	Innovative Technologies for Smart Cities <i>Ankul Sharma, Aditya Tripathi & ShubhamTyagi</i>	196

TECHNICAL SESSION V: INTELLIGENT TRANSPORT

34.	Significance of Intelligent Transport System for Smart Cities. <i>Dr. Indrasen Singh</i>	205
35.	Mobility Management for Smart City: Japan Experience <i>Dr. Pawan Kumar</i>	213

36. Innovative Ideas for Smart Cities	220
<i>K.P. Singh, Sandeep Kumar Sharma & Manoj Gupta</i>	
37. Moving from Vehicle Centric to Pedestrian,	226
Centric Approach in Smart Cities -A Case Study	
<i>Dr. Umesh Sharma & Ajain Anand</i>	