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a 360 degree event on city development



CAPEX  
Construction Architecture Planning Engineering expo

ARCHITECTURE  
IN THE AGE OF MILLENNIALS

HOST STATE



## 17<sup>TH</sup> INTERNATIONAL EXHIBITION & CONFERENCE ON SAFE, SMART & SUSTAINABLE CITY SOLUTIONS

28, 29 & 30 NOVEMBER 2023

PALACE GROUNDS, TRIPURAVASINI, BENGALURU



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Government of India



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Ministry of Environment, Forest  
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## Strong Support from Government of India Ministries

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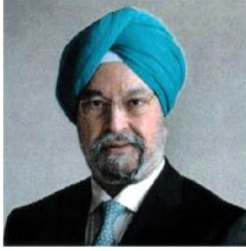
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हरदीप एस पुरी  
**HARDEEP S PURI**



आवासन और शहरी कार्य मंत्री  
 पेट्रोलियम एवं प्राकृतिक गैस मंत्री  
 भारत सरकार  
**Minister of  
 Housing and Urban Affairs; and  
 Petroleum and Natural Gas  
 Government of India**

## Message

I am glad that the international platform 'Municipalika 2023' is being organised during 28-30 November 2023 in Bengaluru to share best practices and cutting-edge technologies in urban development.

As India marches forward in this period of 'Amrit Kaal', its urban centres will play a critical role. Cities under the Modi government have emerged as vital components of India's economic growth. Today, cities contribute 65% of India's GDP which will further rise to 70% by 2030. To continue to capitalise on this positive trend, it is imperative that India's cities are equipped with the latest innovations, cost-effective measures and progressive reforms in order to build smart, robust, sustainable, and safe infrastructure.

Under the leadership of the Hon'ble Prime Minister, flagship initiatives such as the Smart Cities Mission, Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Swachh Bharat Mission – Urban (SBM-U) and Pradhan Mantri Awas Yojana – Urban (PMAY-U) are making our cities 'future-ready' by utilising the latest technologies to improve the 'ease of living' in our cities.

Over the years, Municipalika has promoted and enhanced the approaches undertaken by the government as it continues India's urban rejuvenation. I am confident that this year's conference and exhibition will also throw a lot of good ideas and solutions that will be beneficial to the urban space. I look forward to hearing about the deliberations at this event, and wish it all the success.

New Delhi  
 24 November 2023

(Hardeep S Puri)



मनोज जोशी  
सचिव  
**Manoj Joshi**  
Secretary



भारत सरकार  
आवासन और शहरी कार्य मंत्रालय  
निर्माण भवन, नई दिल्ली-110011  
Government of India  
Ministry of Housing and Urban Affairs  
Nirman Bhawan, New Delhi-110011

### Message

I am very happy to learn that Municipalika 2023 - the 17th International Exhibition and Conference on Smart and Sustainable City Solutions is being organized from the 28th- 30th November, 2023 in Bengaluru by Good Governance India Foundation and Fairfest Media. I am also glad to know that Municipalika is co-located with CAPEX and Architecture in the age of Millennial, which will cover the infrastructure needs and built environment needs of the urban sector providing integrated vision for Future Cities.

Ministry of Housing and Urban Affairs has been participating in and actively supporting Municipalika event for many years and yet again this year, we are happy to extend our support and active participation.

Under the visionary leadership of the Hon'ble Prime Minister, the Ministry has undertaken pioneering initiatives on a mission mode. The work on the Smart Cities Mission, AMRUT 1.0 and 2.0, Swachh Bharat Mission- Urban, PMAY- Urban and HRIDAY are well on track. We are glad to share that these missions are showing tangible results in the states and cities.

States have been leveraging technology to implement the Online Building Permission System to being Ease of Doing Business totally doing away with the cumbersome processes of obtaining NOCs and integrating with single platform for granting the permissions.

I am glad the all-round city development initiatives will be projected in the Exhibition and Conference segments of Municipalika 2023 in a big way. The respective State Missions and city level functionaries are also participating to ensure meaningful interactions and deliberations for sharing strategies and solutions to India's urban challenges, and for implementing the Mission objectives.

I hope that Municipalika 2023 will garner wide participation from all the urban stakeholders from all over India. I am also glad that, with the Ministry launching the Global Housing Technology Challenge Initiative- India, many emerging sustainable technologies have been identified.

The year 2023-24 declared India's G20 Presidency: Steering the global agenda through challenges to facilitate inclusive economic development. This gives India a unique opportunity to strengthen its role in the world economic order. With the theme of 'Vasudhaiva Kutumbakam', India is steering an ambitious, people-centric agenda to address global challenges, and to facilitate sustainable development. Municipalika is an ideal platform wherein various stakeholders in housing and real estate can leverage the technological innovations thereby creating employment opportunities.

I am sure the event would be a perfect opportunity to display and demonstrate a lot of solutions to meet the massive housing and building challenges.

It will be a good chance to interact with all the participants from all over India and be a part of the deliberations. I wish the organizers, delegates and all stakeholders attending the three in one event of Municipalika, CAPEX and Architecture in the age of Millennials, great success.

*Manoj Joshi*  
(Manoj Joshi)

New Delhi  
22 November, 2023



# Allround Leadership Support from Government of Karnataka



The show was Inaugurated in the presence of:

**Shri Siddaramaiah**, Hon'ble Chief Minister, Government of Karnataka

**Shri D. K. Shivakumar**, Hon'ble Deputy Chief Minister, Government of Karnataka

**Shri B.S. Suresha**, Hon'ble Minister for Urban Development and Town Planning, Government of Karnataka

**Shri Rahim Khan**, Hon'ble Municipal Administration and Haj, Government of Karnataka





"Today, in order to develop at a local level, one must know the measures that cities across the world are adopting for faster development in their region. Municipalika is the right platform to understand problems, find solutions, plan execution, at a global level. Attending all the knowledge-sharing conferences is very important, to learn and apply that knowledge in your concerned local bodies; development is needed not only in Bengaluru, but also Tier 2 & Tier 3 cities. I am extremely happy to attend the inauguration of Municipalika 2023! I am certain that all representatives will benefit a lot by participating in this show."

### **Shri Siddaramaiah**

Hon'ble Chief Minister, Government of Karnataka



"All important leaders, officers, and representatives from various institutions are here at this 17th International Summit of Municipalika 2023. I congratulate all of you on behalf of the Karnataka Government. This is the perfect platform to share your suggestions for best practices in building smart and sustainable cities."

### **Shri D. K. Shivakumar,**

Hon'ble Deputy Chief Minister, Government of Karnataka



"It gives me immense pleasure as the minister of urban development and town planning to be part of organising this landmark of 17th International Summit of Municipalika 2023. Urban governance has assumed a critical role in the overall governing ecosystem and its importance to growing leaps and bounds in a country like India. This summit serves as an important platform to share knowledge and promote the dialogue, and to network with the people in the field of urban development; ultimately aiming to contribute to creating a more livable, resilient and sustainable urban ecosystem."

### **Shri B.S. Suresha,**

Hon'ble Minister for Urban Development and Town Planning (including KUWSDB and KUIDFC), excluding Bangalore City Development



"I am sure that the event will elaborately deliberate on the challenges faced in faster development of Smart Cities and come out with recommendations and solutions to give an impetus to this important task. Government of Karnataka has been taking all initiatives to make the living of our people comfortable by all means in consultation and collaboration with various agencies involved in the task of Urban Development. These will yield tangible results and visible make over in due course of time. I extend warm welcome and greetings to all the delegates on behalf of Government of Karnataka and wish the event a grand success."

### **Shri Rahim Khan,**

Hon'ble Municipal Administration and Haj Minister

HOST STATE



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**MUNICIPALIKA**  
SMART & SUSTAINABLE CITIES

**ARCHITECTURE**  
IN THE AGE OF MILLENNIALS

# SPEAKER PROFILES



### Adarsha Kapoor

Adarsha Kapoor, specializes in urban design, master planning, street design, public space design & architectural design. He heads Creative Footprints, an Urban Design and Conservation Practice and is presently advising the World Bank as TOD-Expert for the Urban Metro and Regional Rail Corridors from Gurugram and Rajasthan. He has advised UTTIPEC-DDA, during preparation of Delhi's TOD Policy, regulations and testing them on pilot projects. He has advised Indian Railway Stations Development Corporation for institutionalizing TOD based station modernisation works, through policies, projects, preparation of Form Based Codes etc. He has advised Delhi Multi Modal Transit System and RITES for Station Redevelopment works. He continues to work on TOD Corridor Vision plans, TOD area schemes,

Non Motorised Transport master plans, streetscaping schemes, public space designs, form-based codes, etc. He also teaches at School of Planning & Architecture (New Delhi), has given lectures and led capacity building for educational institutes, centre of excellences and Ministries.



### Anand Malligavad

A techie turned Lake Conservationist who believes in the tag line 'It's Time to care before streams are bare'.

Also known as the Lake Man of India, Anand is working towards rejuvenating lakes and reservoirs in and around the city of Bengaluru, to ease the growing water crisis.



### Dr. Anil Kumar Roy, FeRSA

With over 25 years of experience, Anil Kumar Roy is a senior associate professor at CEPT University, Ahmedabad. He holds a PhD in Urban Geography from JNU, New Delhi and studied Urban and Regional Planning at CEPT University. Dr Roy was awarded a Canadian Studies Doctoral Fellowship for his PhD and was affiliated with Dalhousie University, Halifax, Canada, in 2002. He had also worked with national and international institutions such as the UNESCO Office in New Delhi and PRIA and CSE, New Delhi, before joining CEPT University in 2009. He has worked on various advisory projects, such as the preparation of master/development and regional and sub-regional plans, benchmarking of industrial estates, and assessment of climate change impacts on drought-affected areas and coastal communities for urban

local bodies, state and national governments. His research papers have been published in national and international journals. Dr Roy has published two books and is working on another on planning education in the global south. His research interests include urbanisation in the Global South, urban environment, climate change and urbanisation linkages, and urban poverty and informalities.





## Prof. Anugrah Anilkumar Nagaich

Prof. Anugrah Anilkumar Nagaich is currently serving in the Department of Architecture and Planning, M.A.N.I.T. Bhopal (an Institute of National Importance). He likes to explore the confluence of Technological Advancements and Spatial Environment, and strives to address the challenges facing the habitats today through the possible integration of Advanced Geospatial Analyses, Machine Learning and Artificial Intelligence with efficient and effective Spatial Planning and Management. A recipient of Prof. R.C. Singh Prize in the 31st Indian Engineering Congress from the Institution of Engineers (India) for one of his publications which was considered of great practical importance, Prof. Nagaich has published his papers and book chapters in journals/books of international repute, and shared his academic as well as research pursuits in various international conferences in India and abroad while writing regularly for various magazines and newspapers.



## Arunkumar S

Shri Arunkumar S, a post-graduate in Structural Engineering is basically a Standards Engineer with over 17 years of experience in the field of National Standardization in various Civil Engineering areas such as earthquake engineering, structural safety, special structures, construction practices, cement & concrete, other building materials, National Building Code of India; etc. Currently, he is the Head of the Civil Engineering Department of BIS and is also engaged in the Revision of the National Building Code of India as its Member Secretary.



## Aswathy Dilip

Managing Director, ITDP India

Aswathy Dilip is the Managing Director of the ITDP India. She is a sought-after expert in raising support for sustainable mobility from key decision-makers, governments and stakeholders. With support from her smart and passionate team, she works with the National, State and City governments; providing them technical assistance on sustainable and equitable urban mobility. Her work has contributed to creating streets safe for walking and cycling, implementing traffic management reforms, building support for high-quality, sustainable mass transit, and accelerating

the shift to electrification. She has a degree as an urban designer from Cardiff University, UK, with a bachelor's in Architecture.



## Derek Layfield

Managing Director, Durra Panel

Derek joined Stramit Industries as a Junior Cadet in 1979, learning the ropes of sustainable manufacturing before purchasing the company's manufacturing facility and technology rights to their product StramitBoard in 1991. For more than 30 years, Derek has continually innovated and reengineered Durra Panel while continuing to manufacture Durra Panel in regional Victoria from waste wheat straw sourced locally from Australian farmers. Derek is passionate about changing the way the world thinks about building. By speaking transparently about Durra Panel's cradle to cradle life cycle, he hopes to educate about the natural carbon cycle, highlight greenwashing

within the building industry and encourage people to choose truly sustainable building materials. Derek's enthusiasm for sustainability and responsible manufacturing has led to Durra Panel being installed in major projects such as airports, schools, stadiums, industrial facilities, data centres, offices and homes across Australia and the world.



## Dominic KP

Fire & Safety Consultant & Accessor  
Managing Director – Blue and Gray

Dominic is a highly accomplished professional with an impressive track record spanning over thirty-five years in the Fire, Safety, Security, and Building Automation industry. His exceptional skills and extensive expertise have earned him distinguished recognition as one of India's Top 20 Marketing CEOs for the year 2022, underscoring his profound industry knowledge and exceptional leadership abilities, particularly within the Construction Industry.

As a founding luminary of the Fire & Security Association of India (FSAI), Dominic has played a pivotal role in shaping the landscape of this industry. With dedicated service, he has assumed executive roles, including General Secretary, Chairman, and National President of FSAI, where he diligently dedicated over 18 years to propel the Fire industry forward in India. Additionally, he is celebrated as a renowned Fire safety speaker in India, having eloquently addressed and enlightened audiences at more than 800 events across the nation.

Dominic extends his valuable expertise as an independent Fire Advisor & Auditor to esteemed institutions, such as St. John's Hospital in Bangalore, Christian Medical College in Vellore, Baptist Hospital in Bangalore, Specialty Hospital in Bangalore, and KG Hospitals in Coimbatore.

His unwavering commitment to fostering awareness and spearheading the implementation of cutting-edge technologies in the Fire, Security, and Smart Buildings sector is unparalleled. He has conducted an impressive portfolio of over 180 seminars within FSAI, delivered a remarkable count of 211 webinars, and reached an audience exceeding 39,000 individuals through virtual platforms, vividly showcasing his dedication to educating and engaging with his diverse audience.

Dominic's illustrious career includes distinguished roles in senior management positions with industry-leading organizations such as Aditya Infotech, Mircom, Honeywell, Vista, and DATS India Ltd, where he consistently demonstrated his profound industry knowledge and expertise. His philanthropic endeavors have garnered numerous accolades, including Best CEO and Lifetime Achievement Awards from esteemed Societies and Publishing Houses.

Presently, in his capacity as the Managing Director of Blue and Gray Consultant India Pvt Ltd, a global presence extending to Russia, Singapore, and the UAE, Dominic has been instrumental in shaping brands that stand as today's leading business entities, achieving remarkable sales and unparalleled growth. With an extraordinary track record in brand creation, Dominic remains a prominent figure in India's dynamic construction business industry, consistently delivering excellence and innovation.



## Dr. Gayathri Aaditya

Dr. Gayathri Aaditya, Professor and Head of Planning department at the NITTE School of Architecture Planning and Design, Bangalore. She is focused on creating an impact through energy sufficiency in buildings. She played a key role in setting up the urban planning department, and has been instrumental in starting the Bachelors of Planning at Nitte SAPD for the first time under VTU. Her research looks into building integrated photovoltaic systems and climate responsive architecture, especially at the thermal comfort aspects minimizing the use of active cooling. She has completed her PhD from the Center for Sustainable Technologies at the Indian Institute of Science, Bangalore and has a post-graduation in

urban and rural planning from Indian Institute of Technology, Roorkee. An architect and planner by profession, she has worked in design firms prior to her research career. She is also a social entrepreneur and has co-founded Rural Entrepreneurship and Livelihood Foundation, a not for profit company focused on improving the well-being of the marginalized. She received the prestigious BHAVAN fellowship award and was a research affiliate at Lawrence Berkeley National Laboratory, Berkeley.



## Govinda Somani

Energy Advisor, GIZ

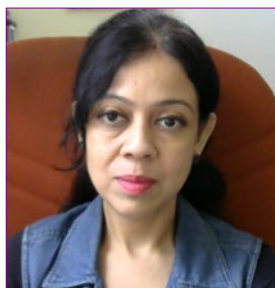
Govinda Somani is a graduate from Indian Institute of Technology Kharagpur and Post Graduate from University College London. He also holds an Executive MBA in International Business from Indian Institute of Foreign Trade Delhi. He is presently working as an Energy Advisor in the Climate Smart Buildings Programme at GIZ and supporting Ministry of Housing and Urban Affairs in incorporating necessity of thermal comfort in affordable housing through climate smart buildings initiatives and living laboratory experiments on the six Light House Projects design and construction technologies, development of Passive-design response in increasing thermal comfort with viable solution, incubation of new & sustainable construction technologies under ASHA-India, and Pan-India demonstration and awareness initiatives. Prior to his current position, he has led the strategic and technical development of EcoNiwas Samhita 2021, a national code on residential building energy efficiency, which was launched by Ministry of Power in July 2021. From 2012 to 2017, he has led the technical development of the Energy Conservation Building Code 2017, a national code on energy efficiency in commercial buildings, under USAID – PACE-D TA program which was also launched by Ministry of Power in 2017. He has also supported various initiatives under appliances labeling, encouraging the use of sustainable material, state policy support and notification, and business model development to mainstream policies.



## Habeeb Khan

Architect Habeeb Khan, graduated in architecture from VNIT (formerly VRCE) and went to the USA, where he completed his masters in from University of Illinois, Urbana-Champaign. After his masters degree he worked in Philadelphia for sometime. He returned to India in 1990 and started his own private practice with his architect wife Dr. Smita Khan. He was awarded the JIIA best interior Design award by the Indian Institute of Architects in 1998 and IIAKAFF young architects award in 2000. He was also awarded the Orange City Achievement award in 2009 and State level excellence in architecture and education award by the IIA Maharashtra Chapter in 2011. Recently they were awarded the prestigious 2018 INTBAU award for preserving and promoting traditional architecture world wide for their project JD campus. INTBAU is an organisation promoted by HRH Prince of Wales, UK. His architectural practise includes, hospitality, institutional, public sector and urban interventions with projects across the country. Habeeb has been invited to many national and international conferences as keynote speaker. Some of the few are IIA NATCON 2009, 2012, IIID NATCON 2008, 2014 2015, Chitale Endowment lecture Anna University Chennai, and the IIID Design Yatra in about 12 cities. He was also invited to speak at international conferences of IAPS, Glasgow 2012, Degrowth 2012 Venice and Degrowth 2016 Budapest. He has also anchored a TV series on NDTV Goodtimes for IIID Design yatra. Architect Habeeb Khan is also involved in teaching. He is currently the Director at Priyadarshini Institute of Architecture and Design Studies (PIADS), Nagpur, and Lokmanya Tilak Institute of Architecture & Design Studies (LTIADS), Mumbai. He is the former President of the Council of Architecture. Council is a statutory body of the Govt. of India, He is currently the Chairperson, Board of Governors, School of Planning & Architecture, New Delhi and also Member Advisory Board NAB, Delhi. Habeeb is an avid painter and has exhibited his paintings on Mahabharata, Ramayan and Kabir. He also dabbles in poetry and has written songs for IIID Natcon, Design Yatra and IIA centenary anthem. Habeeb has written the theme song "Beti-Bachao-Beti Padhao" campaign in Maharashtra.





### Dr. Haimanti Banerji

Dr. Haimanti Banerji, is a Professor in the Department of Architecture and Regional Planning and the Associate Dean of Continuing Education and Outreach at IIT Kharagpur. She has more than 19 years of working experience with the vulnerable groups in urban Indian context. She is one of the authors of Universal Design India Principles © NID, 2011. Her recent contribution towards mainstreaming inclusion in the domain of urban planning and development is the Inclusive City Framework and revision of URDPFI guidelines, and preparation of online courses for professional along with UN-Habitat and NIUA. Dr. Banerji is also actively involved in the Global Housing Technology Challenge (GHTC), an initiative by Govt. of India to provide 'Housing for All' in various capacities. Her recent international academic collaborations include Indiana Univ. of Pennsylvania and MIT, USA.



### Himanshu Jain

Assistant Vice President (AVP)- Projects  
Prama India Pvt. Ltd.

Himanshu Jain, is currently working with Prama India Pvt. Ltd. as Assistant Vice President (AVP)- Projects. He is having more than 14 years of experience in handling big corporate and Key Accounts and worked with leading multinational companies prior to joining Prama India. He studied MBA in Marketing and International Business from Pune.

Himanshu is known for his impeccable track record. He is professional, empathetic & optimistic person. He has added value through his consistent initiatives.



### J.K. Kapoor

Urban Planner having over 28 years of experience in the field of Township Development, Real Estate/Land Development, Research, Urban Development Planning & Design, Urban reforms, Urban Infrastructure, Monitoring and appraisal of Centrally Sponsored National flagship Schemes such as JNNURM/ AMRUT Schemes of GOI, and Development of Smart Cities (under Smart City Mission).



### Jotham Prabhu

Dedicated Energy Professional with a proven track record spanning multiple roles in the energy sector. Currently a Sector Expert at the Bureau of Energy Efficiency, managing and coordinating programs for energy efficiency in buildings. Previous experience as a Program Officer at the National Institute of Urban Affairs, successfully leading projects with budgets exceeding Rs. 300 Crores. As a Consultant at TERI, drove the comprehensive implementation of energy efficiency policies, showcasing expertise in building energy modeling, sustainable designs, and effective project management. Recognized for engaging diverse stakeholders and contributing significantly to policy advocacy. Proficient in conducting impactful energy audits and developing cost-effective, sustainable solutions. Key skills encompass public relations, program management, and a strategic approach to sustainability. Committed to advancing the energy sector through innovative solutions and collaborative initiatives.



## Kamal Kishore

Member, National Disaster Management Authority

Kamal Kishore has worked on disaster risk reduction and recovery issues for over 22 years at the local, national, regional and global levels. Prior to joining the National Disaster Management Authority, he worked with the United Nations Development Programme (UNDP) for nearly 13 years in New Delhi, Geneva and New York. At UNDP headquarters he led global advocacy campaigns to address disaster risk reduction concerns in the UN's Sustainable Development Goals and the post-2015 development agenda. As programme advisor, he also led the development of disaster and climate risk management related elements of the UNDP Strategic Plan (2014-17). Previously, as UNDP's regional advisor for South and South-West Asia,

he supported more than 10 countries on a range of public policy and institutional development issues, while also advising them on the use of appropriate risk reduction tools and methodologies. Kamal Kishore has supported post-disaster recovery through strategic advice, needs assessments, programme development, and coordination after major disasters in Bangladesh, India, Indonesia, Iran, Myanmar, Pakistan, the Philippines and Sri Lanka. Prior to UNDP, he served at the Asian Disaster Preparedness Centre as Director of Information and Research, and Manager of the Extreme Climate Events Programme covering Indonesia, the Philippines and Vietnam. This was preceded by intensive field experience with The Action Research Unit for Development (TARU) in India where work on post-disaster reconstruction and resettlement after two major disasters – the Uttarkashi and the Latur earthquakes in 1991 and 1993 – allowed him to apply his professional skills as an architect. Kamal Kishore has a Bachelor's degree in Architecture from the Indian Institute of Technology, Roorkee, and a Master's degree in Urban Planning, Land and Housing Development from the Asian Institute of Technology, Bangkok.



## Keshav Varma

Keshav Varma has had an exceptional and pioneering record of achievement as a distinguished member of the Indian Administrative Service. He served as Industries Commissioner of Gujarat State. As Municipal Commissioner of Ahmedabad, India, a city of over seven million, where he was credited with rejuvenating the organization with a much-enhanced public image, high staff morale, and a well-defined strategic approach. During his tenure, Ahmedabad Municipal Corporation received an AA (SO) credit rating, and issued the "Ahmedabad City Bond", the first municipal bond issued in South Asia without central or state government guarantees.

Mr. Varma subsequently joined the World Bank, and served there for more than 16 years in various leadership roles. He was Sector Director of East Asia Urban Development and Disaster Management

where he led the reconstruction and recovery work in Aceh, Sichuan and Myanmar in response to major natural disasters. He also led World Bank's multi-billion-dollar urban projects in China and countries of East Asia. He was also the Global Head of capacity building, knowledge management and training on urban and infrastructure programs.

Mr Varma is a passionate conservationist and conceived and mobilized a broad coalition of partners in the World Bank for conservation of tigers and snow leopards in the wild - Global Tiger Initiative, which covers 20 range countries. Mr. Varma is also part of important think tanks in urban policy and is well networked with important universities such as Harvard, MIT, Clemson, Duke. He is also the Founding President of the International City Managers Association of India. Mr. Varma is the advisor to the Government of Uttar Pradesh and Jammu and Kashmir, and the Chairman of the Sabarmati Riverfront Development Corporation, Ahmedabad. He is Chairman of the High-level Committee on Urban Planning set up by GOI.

Hobbies – Horse riding, Golf, classical music, nature and wilderness.



### Kunal Kumar

Joint Secretary and Mission Director (Smart Cities)  
Ministry of Housing and Urban Affairs, Government of India.

Kunal Kumar is a rare combination of a visionary thought leader, a meticulous strategist and tactical implementor. He has been using this combination of abilities to build 100 Smart Cities in India as part of the country's ambitious Smart Cities Mission. He leads the nationwide implementation of arguably the largest and most complex urban initiative on the planet, India's Smart Cities Mission. The Mission entails investments of around USD 30 billion for the development of 100 smart cities in a five-year period. The mission aims to improve the quality

of life of India's urban residents along with the provision of integrated infrastructure and services. He is focused on creating a roadmap for how Indian cities will be designed, built and managed in the future. He believes in the power of communities, collaborative work, and technology to enable creation of connected, liveable, energy-efficient, adaptive and resilient cities. His current focus is on creating an ecosystem that will help sustain the smart cities movement in India for the long-term. His strategy is three-pronged: upscaling economic opportunities, innovation and entrepreneurship; evidence-based policy and decision making; and capacity building of all stakeholders. Some of the achievements that he has conceived and launched are: I Smart Cities Digital Payment Awards I Ease of Living Index and Municipal Performance Index I DataSmart Cities Strategy, Assessment Framework (DMAF), Smart Cities Open Data and India Urban Data Exchange (IUDX) platforms I National Urban Innovation Stack I National Urban Innovation Hub (NUIH) I India Urban Observatory I National Urban Learning Platform I ClimateSmart Cities Assessment Framework I City GDP Measurement Framework.



### Len Luxford

Len Luxford, comes from Perth, West Australia. He loves the world of tech, cricket, football (Australian) and surfing with the family. Len has had 30 years of experience with NGO's, local government and as a corporate manager and lawyer. His work since 2001 has involved the founding of smart furniture company Global Smart Cities (t/as yStop) - an integrator of technology and urban infrastructure. Len's work at yStop led to the founding of tech company Matter IO in 2018 which is now his main focus.



### Loveleen Garg

Vice President & Chief Planner, GIFT City, Gandhinagar

Loveleen Garg; brings more than 23 years of experience in large scale infrastructure projects of National Importance. He is working with GIFT city from almost a decade and presently leading the Planning Department which includes city planning & governance functions.

He is an engineer by qualification and planner from SPA New Delhi, trained on Sustainable Land Use Planning from World Bank, Corporate Finance from University of Pennsylvania, USA.

He has been fortunate to be part of various first of its kind world class projects of National Pride and has hands on experience in planning of Sustainable Cities, Airports, SEZs and Green Buildings. His work regarding Sustainability and Carbon Reduction Strategies in large-scale infrastructure projects

has been recognised at international level.

He is technical member from India to ISO -TC 268 for writing ISO standards for Sustainable cities and communities. He is also a technical & working group member of Bureau of Indian Standards (BIS) and recently published various Indian Standards for "Sustainable Development of Habitat" and working on other standards for sustainable infrastructure.

He has been key speaker & panellist in quite a few national/international conferences and associated with various educational institutes due to his personal interest in academia.





## M Anand

Deputy Executive Director, CII's Indian Green Building Council (IGBC)

He has been playing a leadership role in CII's Indian Green Building Council (IGBC) since 1996. He has work experience spanning over 30 years.

Anand is closely involved in facilitating Government, Architects, Developers, Corporate & Institutions in designing green buildings as per IGBC's GREEN building rating systems.

Anand shares India's perspectives on green buildings & built environment at World Green Building Council's Forums and has attended meetings / sessions, since 2004 at Australia, Brazil, Canada, Dubai, Germany, Hong Kong, Indonesia, Mauritius, Philippines, Singapore, South Africa, USA.

Guinness World Records has awarded Anand, with Certification of Participation as a "Speaker" in 2019. He is also a TEDx speaker. He brings to fore his rich and varied experience and expertise on green built

environment and sustainability.

He has trained professionals on green building concepts and has conducted more than 250 training programmes on green buildings all over the Country and in Singapore and Dubai.

He was instrumental in launching over 100 IGBC Students' Chapters in premier Architectural & Engineering colleges across India.

He has authored several technical articles on Energy Efficiency, Green buildings. His technical articles, under the title 'The Green Building Movement in India' is being featured in ISHRAE Journal, since 2014.

He is leading a team of over 60 professionals, who are involved in the spread & growth of green building movement in India.



## M.V. Deshmukh

M.V.Deshmukh has an illustrious career as a Fire professional for last 38 years, of which he has been in active firefighting operations for 19 years, especially in the Industrial Belts; wherein Chemical, Petro-Chemical and Hazardous Industries are situated. Later in the career, have been managing and strategizing Fire Safety and Fire Prevention.

Was time to time elevated for higher responsibilities mainly in the field of Fire & Life Safety. In addition to which, have handled H.R., Security and I.T. Departments of M.I.D.C.Govt of Maharashtra for more than 15 years.



## Maithily Velangi

Graduated as an Architect from the KLS Gogte Institute of Technology, Belgaum and subsequently completed her master's degree in Landscape Architecture from School of Planning and Architecture, New Delhi, Maithily Velangi is currently an associate professor at BMS College of Architecture, Bangalore.

Recently, she has completed a PG Diploma in Environmental Law from NLSIU. Earlier, she has worked in various firms specializing in Landscape Design in Bangalore. Ms. Velangi has additionally participated in several national design competitions and has won several and

conducted workshops for students of Architecture. She has published and presented papers in various magazines and journals. Currently she is Executive Council Member-ISOLA-India.



## Nikhil ParasuRaman

Managing Director - India and SAARC Region  
SE Controls India

Born in Mumbai, educated and raised in Chennai. Nikhil has a bachelor's degree in Mechanical Engineering from Sri Venkateshwara College of Engineering in Chennai. He has been serving customers with SE Controls India and the SAARC Region since its inception in Indian Market in 2012. He now leads a team in India that oversees designs for all the global offices, a sales division panning India, and manages the company operations for his region. Over the past decade, he has come to be known for his technical knowledge in Smoke Ventilation and his customer experience. He also happens to be a qualified commercial pilot from Melbourne, Australia, and India which he treats as a hobby alongside

his passion for photography.



## P J Shaji

A Naval Architect by profession with Master's in Marine Engineering, both from Cochin University of Science and Technology. He possesses vast experience over 30 years in various industries in India and abroad in the field of Maritime and Oil & Gas sectors. Started his career as a lecturer in 1993, at the Institute of Shipbuilding Technology, Goa. Went on to work in the field of ship design, building and repair. He moved to the UAE and worked in the engineering and projects division of Grandweld Shipyard, Dubai. In 2002, he joined Specialist Services Dubai as Project Manager of Offshore topside modules and living quarters. Worked in various senior positions in Engineering, Procurement, construction, project management, production etc. and left the organization in 2017 as head of EPC Business Unit. During this

time, he had obtained his Masters in Business Administration in Technology Management from Chifley Business School, Australia.

In 2018, he joined Kochi Metro Rail Ltd. as head of Kochi Water Metro Project, the prestigious, sustainable, innovative, urban water transport system, which is first of its kind in India. He is currently holding the position as Chief General Manager – Water Transport.

In addition to the academic excellence and Industrial experience, he is an active toastmaster for many years and very good organiser too.



## Prof. Dr. P.S.N. Rao

Prof. Dr. P.S.N.Rao is a well-known architect - urban planning expert of the country. Currently, he is Dean ( Planning and Development ) at SPA New Delhi. He is also presently a Member, High Level Committee on Urban Planning, Ministry of Housing and Urban Affairs, Government of India. He is also an Independent Director on the Board of Ujjain Smart City Limited. He is also a Member of the Task Force of the Government of India on Innovative Materials for Housing and Construction.

Earlier, he held important positions viz. Chairman, Delhi Urban Art Commission, MoHUA, Government of India, Director, School of Planning and Architecture ( SPA ), Ministry of Education, Government of India, Member, Central Zoo Authority and Member, National Wetlands Committee and Member, Expert Committee on Environment at the Ministry of Environment, Forests and Climate Change. He was also recently Chairman, Committee on Planning and Architecture for Hill Areas, NITI Aayog.

He has been on several important Juries for architecture and urban planning projects. He has over 130 publications to his credit and has undertaken several research and consultancy assignments.



## Pankaj Sharma

Pankaj is a passionate Policy Advisor & Technology evangelist with 20+ years' experience in Consulting, Policy Advocacy, Business Development, Research, and Project management with a focus on Public Sector in India & SAARC. His diverse experience includes NASSCOM, PwC, IT MNCs and Government ministries like Education, Corporate Affairs, Technology and Urban Affairs. He is a Management & Engineering graduate and an ISB alumnus for AMPPP Co2022. He has been instrumental in driving very large and iconic IT projects in the country like MCA21, GSTN, CCTNS, APDRP and many more. His

driving force is his mantra of effective use of technology for bringing positive change in the life of citizens. Currently he is leading the portfolios of Standards, Policy, Partnerships and State engagement as a Regional Lead for National Urban Digital Mission under MoHUA.



## Dr. Pawan Kumar

Dr. Pawan Kumar is basically Architect-Town Planner having Bachelor Degree in Architecture; Master Degree in Town planning and Ph.D. in Transportation. He is alumni of NIT, IIT and SPA. At present, he has been working as Associate Town & Country Planner in TCPO, Ministry of Housing and Urban Affairs, Govt. of India, New Delhi. He has about 25 years professional experience in the field of architecture, transport planning, housing, etc.

He has authored more than 100 technical papers and 10 chapters related to transport, passenger security, environment, infrastructure planning, etc. which have been published in various International and National Journals and books. Presently, he is more focused towards various

issues of planning and design of multi modal transport system, infrastructure planning, urban ropeways and TOD in Indian cities.



## Pawan Mulukutla

Pawan Mulukutla is the Executive Director of Integrated Transport, Clean Air & Hydrogen at WRI India. Pawan is responsible for providing strategic direction and implementing the overarching objectives of these programs. He also leads the teams' development of synergistic and action-oriented research programs to support India's ambitious decarbonization journey through effective, equitable and inclusive mobility solutions. His leadership at WRI India also builds upon the ongoing global dialogue and collaborations towards transitioning to sustainable energy consumption models based on low-carbon pathways.

Pawan has over two decades of professional experience working at the intersection of urban mobility, energy and environment. He has been at the forefront of various policy developments at the national and sub-national levels to improve the overall energy consumption profile of the transport sector. One of his recent milestones has been leading WRI India's knowledge support to the deployment of 50,000 electric buses and development of the National Green Hydrogen Mission. With technical expertise in the energy and transport domains, Pawan has also enabled the development of several other policy initiatives aimed at the electrification of public transport solutions. He has been a critical force in enabling sub-national systemic changes that have led to the ongoing acceleration of electric mobility at the state level. A well-known sustainable mobility specialist, Pawan has been part of various national & international panels and coalitions on sustainable transportation. Pawan also writes extensively on the themes of sustainable mobility, green hydrogen economy and public transport transformation.





## Peter Cox

Peter Cox (FAIQS ICECA FRICS CIPM) is a specialist consultant providing strategic advice to organizations undertaking development of property and infrastructure.

He is passionate about property investment optimization and along with his associates is helping clients to add value and innovation as well as reduce risk as part of the project planning, briefing, feasibility and implementation processes.

Peter has spent several decades observing project performance and the various success and failure factors. In the context of a rapidly changing marketplace driven by volatility, uncertainty, complexity and ambiguity (VUCA), COVID pandemic and other global factors over the past two years have only exacerbated these trends.

At the Municipalika 2023 event, Peter and his business partner Meenakshi Sundaram MRICS will share some of these observations with a view to creating awareness of the success and failure factors and providing insights into key strategies to mitigate them including well developed project definition, procurement strategies, team selection and other factors which can be readily adopted by developers of real estate and infrastructure assets.

Peter has called India his second home for more than two decades and is a director of Collaborative Cost Management India (CCM) which consults to leading real estate and infrastructure developers and multinational corporations establishing campuses together with their financier partners. CCM India has current operations and projects in Bangalore, Chennai, Gurugram, Hyderabad and Mumbai and other neighbouring regions. These projects include Commercial Office, Healthcare, Hospitality, Residential and Infrastructure.

He is an acknowledged leader of his profession culminating in appointment to the position as Chairman of the International Cost Engineering Council, being the peak body covering cost engineers, quantity surveyors and project managers globally. He is also a co-convenor of the Australia India Chamber of Commerce's - National Real Estate & Infrastructure Industry Group and founding member of the Hospital Innovation Group which is a specialist advisory consultancy founded by industry leaders drawn from Design, Operations Management, Project Management and Cost Management professions and is focussed on project definition and briefing services to private and public sector healthcare corporations.



## Dr. Poorva Keskar

Director, VKE Environmental

Principal, BRICKS School of Architecture, University of Pune

Trustee, Sustainability Initiatives

Poorva Ujwal Keskar is an environment designer, NABET accredited environment impact assessment expert, quality manager, educator and author of numerous articles on the practice of environment design and environment management.

Poorva was honored by maharashtra energy development agency by an award for her work in building energy efficiency in 2022. She was also honored with the hudco award for her project green space realtors in 2012 and aesa award for skf bearings in 2016. She was recognised by iia for her contribution to profession in 2014 and green champion award by igbc in international conference in 2019. She was given the real women award for her contribution to green buildings in 2021. She started her architecture practise in 1889, where she worked on residential and industrial projects. She started contributing to academics at b arch level in 1994 at mkss, b.N. College of architecture. Further, poorva headed the department for environmental planning and architecture at dr. B.N. College of architecture, till june 2012. Currently she heads the brick school of architecture at pune. She spearheaded the structuring of syllabus for masters program in environment architecture in 2005; pune university. She was the team member for structuring "computer aided interior design program" at mkss, bnca. She has delivered expert lectures at mejan arc university, sweden, iit powai, cept, ahmedabad, rachana sansad mumbai, and many architecture colleges in maharashtra, on architecture, energy conservation in buildings and environment planning.



## R. C. SHARMA

R.C. Sharma, superannuated from Delhi Fire Service as its Director on 30th November 2010, after about 39 yrs. of active service in various fire service Organizations in the country. This included total of over 15 Years of Industrial Fire Services Experience (in PSUs) starting in Feb-1973 in Bokaro Steel Plant, then with Delhi Electric Supply Undertaking Delhi, Indian Oil Corporation R&D center Faridabad & then with Hindustan Aeronautics Limited, Bangalore. He joined DFS in May 1988, as Dy. Chief Fire Officer Through UPSC selection, got promoted to the rank of CFO in 2002 and as First Director of DFS in 2009.

Also served as D.I.G. (Fire) in C.I.S.F. on deputation for a period of about 03 years (1998 to 2001).



## Dr. R. Gopalan

Dr. R. Gopalan served the National Aerospace Laboratories, Bangalore, for more than 20 years as a Senior Composites Scientist from 1980 to 2004 and has made rich contributions to research and development of composite structures for aerospace applications. He has authored more than 200 research papers and as two patents to his credit. He was the Editor of "Composites Roundup", a quarterly news letter published by NAL for TIFAC, Government of India.

Dr. R. Gopalan is currently the Vice President & CEO of RV-TIFAC Composites Design Centre, established by Government of India in Bangalore. He is also the Vice President & CEO of Composites Technology Park – a first of its kind in the country, established by Government of Karnataka and Government of India. He has successfully developed several cost effective

technologies for manufacture of glass fibre and natural fibre composites products, and Fast Track Building Construction using LGS-Ferroconcrete and LGS-SCP technology which are suitable for large scale applications in Indian industries. The technology has been certified by Govt. of India and also included in the SR's of CPWD, New Delhi and PWD, Karnataka. The Technology know-how has been transferred to over 80 industries all over India.



## R. Srinivas

Sh. R. Srinivas recently retired from Town and Country Planning Organization and worked for more than three decades. He has done his Post Graduation Urban and Regional Planning from IIT Kharagpur and Professional Masters in Urban Planning and Management from ITC Netherlands. He was heading the Metropolitan and Union Territories Division and was responsible for (i) Rendering technical advice and assistance on Ease of Doing Business-Construction Permit, (ii) Advising and assisting the Town Planning Departments of Union Territories related to urban development activities, (iii) Appraising the proposals on urban infrastructure for External aided projects, (iv) Monitoring the sub scheme on formulation of Local Area Plans and Town Planning Scheme (v) Technical inputs to inter-ministerial matters, (vi) Undertaking research

studies on selected themes of urban development with regard to million plus cities and (vii) Attending to matters pertaining to Parliament Standing Committee on Urban Development. Presently, he is engaged with Ministry of Housing and Urban Affairs as consultant urban planner.

He had been instrumental in guiding the preparation of Urban and Regional Development and Plan Formulation Guidelines (URDPFI), 2014 and Model Building Bye-Laws, 2016. Further, he was the team leader for monitoring the reforms implementation in Construction Permit under the World Bank's Doing Business Report for Municipal Corporations of Mumbai and Delhi. He had also been member of Task Force on Ease of Doing Business for Construction Permit and played an important role as team leader in facilitating the improvement in Country's ranking in Doing Business Report - Construction Permit.



## Rahul Sachdeva

Rahul has over 19 years' experience in Urban Planning mainly across sectors of Sanitation, Municipal Solid Waste Management and Natural Resource Management. Worked at various levels on professional assignments with rich field experience blended with macro level planning projects in India, Bhutan, Afghanistan and Bangladesh. His expertise is in preparation of citywide plans with focus on integrating decentralized basic needs services (wastewater and solid waste management) with mainstream sanitation services in urban and peri-urban areas, developing proposals for project funding, business development, field studies, coordination of network partner activities, coordination with government departments, preparation of planning reports and presentations, project planning and monitoring, resource for trainings related to urban sanitation planning. He is currently positioned as Sr. Program Manager, National Mission for Clean Ganga (NMCG) project at NIUA. Before embarking on his professional endeavour Mr. Rahul persuaded his Masters in Environment Science from School of Sciences, Gujarat University. He started his carrier as research associate in CEPT University, Ahmedabad and later on worked as Program Manager (Urban Environment Management) in Environmental Planning Collaborative, Ahmedabad. Prior to joining NIUA, he was engaged with CDD Society, Bangalore for 11 years and worked in citywide sanitation planning projects with key focus on decentralised wastewater management approaches in urban areas.



## Rajalakshmi Joshi

Rajalakshmi Joshi is a TEDx Speaker, Architect and Interior Designer, Environmentalist, Political Analyst, Motivational Speaker, Former Regional Head for the Beti Bachao Beti Padhao initiative, and a Social Entrepreneur.

By Qualification Rajalakshmi is an Architect and Interior Designer; with her own firm R K DESIGN CONSULTANTS doing projects all over India and abroad since 2005. She has designed Resorts, Holiday homes Townships, Temple Townships, colleges, bungalows and was a Consultant for an International Vedic Research Institute at Pune, India.

She has spoken on various prestigious platforms about Sustainable development and has tried to incorporate it in all her Architectural and Interior design projects. She was a Keynote Speaker at this year's Annual NASA (National Association of Students of Architecture)

Convention organized at the Lovely Professional University, Punjab

Rajalakshmi is also a Television Panelist on National TV channels like Republic, Zee news, Times Now, CNN News18, Mirror Now, NewsX, India Today, Republic Bharat, India Ahead TV, India News TV, Sudarshan TV, etc. on issues regarding Architecture, Politics, Environment, Women Empowerment, crimes against Women etc.

She is regularly invited by various Embassies, Schools, Colleges and Educational institutions, as a keynote Speaker at Conferences on Women Empowerment.

As a Social Entrepreneur, she considers her most satisfying experience to be that of helping more than 10,000 Migrants from the Nepali and other communities with food and essential goods during the Lockdown in association with other organizations. Her first TEDx talk was about Architectural Identity and her second TEDx talk was about how everyone can do something for the Environment.

Rajalakshmi was invited as Chief Guest at the INDIA DAY PARADE 2023 at New Jersey, USA and felicitated by the Indian Business Association of New Jersey for her achievements and contributions towards society.





## Rajeev Malagi

Rajeev Malagi is a Program Manager - Sustainable Cities and Transport at WRI India. His works focuses on People Oriented Development projects to help in create safe access, better living and walking environments; by working in close coordination with local governments, implementing agencies and the communities on ground.

His current working in Bengaluru focuses on dissemination of 'Bengaluru Climate Action and Resilient' plan through NammaBlueGreenUru initiative. This involves engaging with stakeholders and building a climate comprehensive narrative for the city.

His works include projects which help improve accessibility and liveability conditions for streets and public spaces tactical urbanism and permanent implementation process across different cities in India including Kochi, Bengaluru, Hubli Dharwad, Bhubaneswar. He has anchored the simulation of games which help address complex city challenges and help build strategic solutions through a co-creative process.

Rajeev holds a bachelor's degree in architecture from B.M.S College of Engineering, Bangalore and a master's degree in urban design from CEPT University, Ahmedabad.



## Rajendra Inani

Business Head – Smart Cities, Tata Projects Limited

Heading Smart Cities Business Unit - Leading delivery of Infrastructure and IT Transformation projects for Smart City Solutions, Emergency Response, Environment & Citizen centric solutions for Cities and States, E-Governance Technology Solutions for Central and State Government Departments.

Business & Industrial entrepreneurial leader, Coach by passion, a well-known project management evangelist in Infrastructure and Government space, advisory member with State and City planners on project viability and execution for Smart Cities. I am a regular speaker / part of panel

discussions on subjects of Smart Cities and Project Management. My projects are awarded at national level by various institutes regularly. I am involved in multiple social initiatives through NGOs in areas of environment, health, and social welfare.

Worked globally having led multinational teams across time zones and cultures, in multiple roles starting from a Software Engineer, Solution Architect, Project and Program Manager to Business Leadership. Worked in client locations in USA, UK, Japan, Taiwan, Singapore, Malaysia, South Korea, Qatar.



## Rajesh Palkar

Vice President - Government and Consultant Business  
Prima India Pvt. Ltd.

Rajesh Palkar is the Vice President – Government and Consultant Business, Prima India Pvt. Ltd. A seasoned professional in the security industry with vast experience in the government and consultant business.

He has worked for various reputed companies in different positions in the security industry. He brings along the core competencies and enriching experience of consultant business to

the organisation. He is known for his foresight and dynamism to drive the consistent growth in project business.



### Dr. Ruma Chakrabarty

Dr. Ruma Chakrabarty has 24 years of experience in corporate sector with comprehensive experience in turnaround of Information Technology across different platforms – GIS, ITMS/ITS, e-Governance, IT Consultancy, System Integration, Training & Development across different verticals and Urban and Regional Planning

She is working with Esri India as Urban Presales Head and is responsible for evolving GIS solutions for Urban Planning Development and Management.

She is a part of the team of India Urban Observatory and Working Committee of MoHUA in Data Smart Strategies and also Part of GIS strategy Making for Urban Missions in India, and GIS Panel head for Creating GIS standards for the Smart city mission in the country.

She has worked in several national and international projects, of IT and GIS.

She has contributed several technical papers/books relating to geospatial technologies, business intelligence, planning and geography.

Also, she is the Secretary of Arc.Peace India, an UN recognized NGO for Social Causes in Planning, Architecture and Design.



### S Vishwanath

S Vishwanath is a Civil Engineer and Urban Planner with 36 years of experience in the water and wastewater sector. He is an Adjunct faculty at the Azim premji University and is Advisor at Biome Environmental Trust ([www.biometrtrust.org](http://www.biometrtrust.org)), an NGO which works with communities on sustainable water management practices. He has been an Advisor to funding agencies, Member of the the Technical Approval Committee of the Bangalore Water Supply and Sewerage Board, a columnist for The Hindu and has designed and helped implement several rainwater harvesting projects.



### Santosh S. Warick

Santosh S. Warick, Chief Fire Officer & Fire Advisor of MIDC Fire Service and Director, Maharashtra Fire Service, has got 30 years of experience in the field of fire prevention and protection; he has served on various positions in MIDC Fire Services. He is basically a Science graduate, he has done Fire Engineering from National Fire Service College, Nagpur, and he is MBA in Finance and Law Graduate. He has got expertise in firefighting of various occupancies and implementation of Fire Prevention and Life Safety Measures as per National Building Codes of India. He has successfully handled various industrial projects, special townships, SEZs and IT parks in Maharashtra. He is member on various committees of Bureau of Indian Standards on fire and life safety. He has been awarded

with President Medal for Meritorious Service.



## Saswat Bandyopadhyay

Saswat Bandyopadhyay, is an Urban Planning professional with advanced qualifications in Climate Resilient urban Planning and service delivery in secondary cities. Saswat Bandyopadhyay has over 28 years of experience in the Urban Development sector in South Asia with a focus on City Development Planning and designing of environmental infrastructure and has spearheaded several flagship initiatives such as, Creating Investible Cities, Sustainable Urban development, and Smart Cities, Green and Livable Cities and Inclusive Cities programme. As a Team Leader and Senior Urban Development expert, Saswat has been involved in preparation of several city and comprehensive development plans in India,

Bhutan, Bangladesh, Sri Lanka and China. Saswat is also involved in several pan-Asian pilot initiatives such as Quality Infrastructure Investments (QII), Country Enabling Environment (CEE) report for Asia-Pacific, GOLD V report on Localization of SDGs, ADB Green Cities Toolkit amongst others. Saswat was also a member of the working group set up by Planning Commission of India for 12th Five year in 2012 as well as an expert committee member for National Development Council (NDC) Sub-Group on Urbanization and recently, he has been appointed as the expert member of the national High-Powered Committee on Urban Planning and as well as in Committee on Urban Planning capacity development, set up by MOHUA, Government of India. He has worked extensively in India, Indonesia, Bhutan, Bangladesh, China, Nepal, Sri Lanka, Malaysia and Pacific Island Countries.



## Saurav Choudhury

Counsellor – Green Built Environment  
Indian Green Building Council (IGBC)

Saurav Choudhury is a Green Built environment expert at the CII-Sohrabji Godrej Green Business Centre, Hyderabad, India. He is an Architect (University Gold Medalist) & Master Planner and presently Counsellor at Indian Green Building Council (IGBC), Confederation of Indian Industry's Centre of Excellence. He has work experience spanning over 11 years. He has represented India in Global Alliance Roundtable for Buildings & Cities 2017 Hong Kong.

He is IGBC AP, IGBC Faculty, IGBC Assessor and co-authored 8 IGBC Ratings on green infrastructure & green built environment addressing Villages, Cities, Hill centric development, Metro, Railways and High-Speed Rail projects. He has been involved in IGBC Certification of India's first 15 Green Cities, 30 Green Villages, 250+ Green Transit stations and 300+ green building projects. He has conducted more than 70 Training Programmes on green buildings & infrastructure. He is regular speaker at national conferences on Low carbon cities and Green mobility.



## Shahzed Lehry

Shahzed Lehry is the Chief Executive at India's pioneer company, Cease Fire Extinguishers & Systems (I) Pvt. Ltd., specializing in Fire Protection Engineering, Environment – Health and Safety (EHS) and Risk Management with the aim to work towards a safe and green planet.

A Commerce Graduate and Alumni of the prestigious HR College of Commerce and Economics, with additional distinction qualification from Esteemed Institutions in Fire and Industrial Safety from NCVTE, New Delhi, and NEBOSH - National Examination Board in Occupational Safety and Health (UK).

Instrumental in Advising over 100+ Globally Renowned Companies in his 30 year's+ journey has been able to create a Robust Ecosystem to compliment Cease Fire's current and future Endeavours adding value to the company in totality. Associated Globally with the United Nations Global Compact, is an active supporter of the Sustainable Development Goals having implemented three goals in the companies regular work culture along with his dynamic team.





### Dr. Shailesh Kr. Agrawal

Executive Director of BMTPC

As Executive Director of BMTPC since 2008, working towards the mandate of Affordable Housing for All through Pradhan Mantri Awas Yojna (PMAY)-Urban by promoting & transferring emerging housing technologies for faster & sustainable development at the grass root level for the common people of India.

The current areas of work are (a) alternate building materials & construction technologies, Disaster Mitigation & Management, Skill development & Capacity Building and Project Management & Consultancy (b) Transplanting best construction systems from the globe for faster delivery of quality, sustainable & affordable houses across India (c) Vulnerability Atlas of India

Prior to this assignment, devoted 20 years to provide S&T backup in the area of building science & technology in the capacity of scientist at CSIR-CBRI with special emphasis on earthquake engineering, structural dynamics, distressed structures, repair & rehabilitation, computer aided structural analysis & design through continued R&D with quality objectives in applied research, societal based R&D programmes, resource generation, and publications. Published around 100 research papers in journals, conferences, five books and a few dissemination & training CDs. Avid speaker in the area of alternate technologies & disaster resistant construction. Widely travelled in India and abroad for various national and international missions



### Dr. Shikha Jain

Dr. Shikha Jain is an architect with an extensive portfolio on cultural heritage that covers Conservation, World Heritage and Museum Planning of 70 plus projects in India and overseas, largely realised through her organisation DRONAH. As an international expert, she has advised government organisations and UNESCO Offices in Singapore, Malaysia, UAE, Myanmar and Indonesia. She has worked as consultant to UNESCO New Delhi and, represented Ministry of Culture, India on the UNESCO World Heritage Committee (2012-2015) and, as a bureau member for the 45th session of the World Heritage Committee in 2023.

Besides preparing dossiers for several Indian sites inscribed on the World Heritage List, she has steered a range of Museums, Interpretation Centres and Cultural Parks from design to execution stage in several states of India and Overseas. Her design of India Garden for the National

Horticulture Board received the Gold Award at the Beijing Horticultural Expo, China in 2019. Her ongoing museum works include the Indian Museum, Kolkata and the Museum of Word, National Library for the Ministry of Culture besides State and City Museums in Patna, Bhopal and Jaipur.

Among her urban conservation projects, the conservation of bazaars and revitalisation of Ghat ki Guni, Jaipur have received HUDCO awards. The Jaipur Heritage Management Plan is recognized as Best Practice by NIUA, MoHUA, India in 2015 and, the Ajmer HRIDAY projects are featured in the 75 iconic Public Space Designs in 'Transforming Urban Landscapes of India' in 2022. She steered the NITI Aayog Report 'Challenges faced in Heritage Management in India and Policy Imperatives'.

She is a graduate in architecture from the School of Planning and Architecture (SPA), Delhi followed by a Masters in Architecture from the Kansas State University, USA and a Doctorate from De Montfort University Leicester. She has several publications to her credit as author and editor of books on India's cultural heritage. Her most recent book 'Incredible Treasures: World Heritage Sites of India' was published by UNESCO and Mapin Publishers in 2021.

She is Vice President, ICOMFORT and Expert Member of ISCCCL; Scientific Committees of ICOMOS. She is involved in training programmes for the UNESCO C2C at WII, Dehradun, is Adjunct Faculty at the Manipal University Jaipur and the State Convener for INTACH Haryana Chapter.



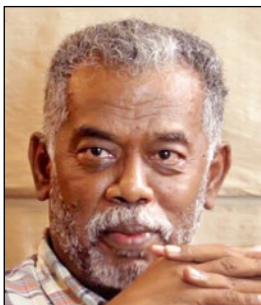
### Dr Shiv Kumar

Dr Shiv is a Digital Transformation specialist with domain expertise in Mobile Communication, digital technologies, Telecom & IT Policy Advocacy and Regulatory.

Shiv possess 3.5 Decades experience. He rendered services to QUALCOMM, NOKIA, Nokia Siemens Networks (NSN), ERICSSON, DoT, MTNL & Software Technology Parks of India (STPI)-MeitY, Govt. of India.

Currently working as a Principal Advisor with Broadband India Forum (BIF), an independent think-tank of India, on Policy Advocacy and Regulatory in IT and Telecom Arena. He is also a DG-Blockchain for Productivity & Bharat IPv6 Forum.

He had been playing an active role and contributing to professional societies and social organisations. He is a Governing Council member of IETE and Member of AIMA, Computer Society of India (CSI), NASSCOM and Data Security Council of India (DSCI).



### S J Vijay

S J Vijay been at work for Four Decades. His First Decade was in Banking with State Bank of India. The second Decade was in Transforming Banking by being a member of the Founding team of ICICI Bank and Indus Ind Bank and later as Country Head of the Centurion Bank who's now a part of the HDFC Bank. His third Decade of work was in Formulation of Policy & Law and Development of SEZs, Seaports, Airports, Investment Regions and Integrated Townships.

His fourth Decade of work is in Delivering "Buildings as a Product" (BaaP) by Manufacturing them at-site and on demand with the Patented 3D Monolithic Modular Precast Technology.

Through a Joint Venture with the India Institute of Science, he is now striving to Establish the

Indian Centre of Excellence for Buildings as a Product.

He believes India Can become and be the "Factory of Buildings" of the World.



### Dr. Subrata Chattopadhyay

Dr. Subrata Chattopadhyay is the former Head and the Avinash Gupta Chair Professor, in the Department of Architecture and Regional Planning, at IIT Kharagpur where he's been teaching for the last 35 years. He has been the former Dean of Alumni Affairs and member of BoG SPA Delhi. Dr. Chattopadhyay has immensely contributed to the Govt. of India mission of 'Housing for All' in various roles like a being a juror in GHTC, providing incubation support under ASHA-India, preparation of design manuals and technical documents, and as resource person in delivering lectures in several on-line and off-line forums. Prof. Chattopadhyay's recent contribution to the

field of universal design is through involvement in the BASIIC project with NIUA and in preparing on-line training contents with UN-Habitat. His recent international academic collaborations include MIT and Indiana Univ. of Pennsylvania, USA.



## Sh. Taj Hassan

Sh. Taj Hassan is presently working as Director General Fire Services, Civil Defence & Home Guards. He is an IPS (RR) Officer of 1987 batch. He has a wide experience of handling law and order, crime, VIP security, traffic management, communal strife, Naxal issues, industrial security, civil aviation security, coastal security, terrorism in the North East, etc. He has served in Delhi, Arunachal Pradesh, Andaman & Nicobar Islands and Bihar in various capacities. He has also worked as DIG in CISF, a Para military force responsible for industrial and airport security and in Narcotics Control Bureau as DDG, a nodal agency for enforcement of law relating to Narcotics Drugs and Psychotropic Substances Act and collection of intelligence for fighting drug trafficking and the abuse of illegal substances. He was awarded President's Police Medal for Meritorious Service in the year 2005, and President's Police Medal for Distinguished Service in the year 2011 for his exemplary services. He has also written a Novel titled 'The Inexplicable Unhappiness of Ramu Hajjam', published by Hachette India.



## Tharun Kumar

Tharun Kumar serves as the Founder & CEO of ECOSTP Technologies.

He and his team have pioneered a distinctive biomimicry based Net Zero sewage treatment technology, mirroring the digestive system of a cow. Tharun brings a wealth of experience, having previously held key technical and business leadership roles at Sutherland, ICICI, Cable & Wireless, Hughes, and Motorola.

ECOSTP's moonshot mission is to naturally reclaim every drop of wastewater, and they have already successfully reclaimed over 2 billion liters of sewage. Tharun's exceptional contributions

have earned him global recognition winning over a dozen awards, including the 'Startup Entrepreneur of the Year' Award from the Economic Times Leaders of Tomorrow, and he holds a patent in the field of bioengineering for sewage treatment.



## Venugopal R

Manager – Design and Sustainability,  
 Saint Gobain India Private Limited – Glass Business  
 IGBC AP, GRIHA CP, EDGE Expert, WELL AP

Venugopal brings almost a decade of experience and expertise in the Building Material and Sustainable construction space. He is a seasoned Technical Manager passionate about Green Buildings, Sustainable Building Envelope and ESG.

He is currently leading the Design Team at Saint Gobain India Private Limited – Glass Business.

At Saint Gobain, he has been an integral part of the Design and Sustainability Team, driving many key technical and strategic initiatives along with the business, production and research teams in India and abroad. He has consulted 1000+ building projects in choosing the right glass solution from Safety, Sustainability and Aesthetics aspects.

His technical expertise on Sustainability and Green building has enabled him to share his knowledge with the AEC industry. He is an active member of the "Technical Advisory Group" of Glazing Society of India and Consortium of Construction Products and Services. He has worked with the CII Sustainability Committee – South Regional team and supported in organizing the "Sustainability Conclave- 2020". He is also one of the core committee members of the CII IGBC Chennai Chapter. His involvement in the above industry organizations have helped to amplify the awareness and adoption of sustainable construction.

He also actively contributes to the student community in technical training and events – He is a "Subject Matter Expert" in Glass Academy. He was one of the juries of BuildIT 2021 – a hackathon for Civil engineers themed on Sustainability, organized by CMRIT College in Bangalore and is also one of the Juries of GRIHA NASA trophy(22 & 23) – A design competition themed on Sustainability for Architecture students.





## Victor Shinde

Victor is a water management expert and has worked as a scientist and technical expert in nine countries in Asia and Africa: Bhutan, India, Japan, Mauritius, Philippines, Seychelles, South Korea, Thailand, and Vietnam. Over the last 17 years, he has worked in diverse domains of climate change and urban water management that includes flood risk assessment, urban river management; integrated water resources management; water security assessment; and climate change adaptation in water sector. He has carried out joint research and development projects with several international organizations such as APN, CTCN, DAAD, GIZ, GWP (Thai Chapter), IWMI, UNDP, UN Environment, USAID, US Army Corps of Engineers. At NIUA, he has led the development of several national level frameworks, tools, and advisories for climate change adaptation and urban water management in Indian cities. He also led the Water and Environment Chapters for the draft Master

Plan for Delhi-2041. He has 50+ publications as journal articles, books chapters, conference papers, and knowledge products. Victor has a PhD in Urban Water Management from Kyoto University Japan, Masters in Water Engineering and Management from the Asian Institute of Technology Thailand, and Bachelors in Civil Engineering from Karnatak University India.



## Vinay Mishra

Senior Vice President- Projects, Prama India Pvt. Ltd.

Vinay Mishra is the Vice President – Projects, Prama India. An Electronics Engineer with business management in International Business, he has more than 10 years of experience in the security industry. He has been associated with Prama India since its formative years. A keen eye for detail and knowledge about the latest technology trends in the security industry are his forte. His dynamic leadership in the India's project market has helped Prama to grow consistently by winning key projects. He has played a pivotal part in creating a new benchmark for Prama in the Indian security market. He is spearheading the projects division by creating new milestones.



## Vinayak Pai

Md & CEO – Tata Projects Limited

Vinayak is the visionary leader and current face of Tata Projects Limited, India's premier sustainable technology-led EPC (Engineering, Procurement & Construction) entity. Joining in 2022, he embarked on a mission to metamorphose the company into a global pioneer in sustainable, innovative, and safety-oriented construction practices.

With a rich tapestry of over thirty years in managing expansive business conglomerates, Vinayak is a proponent of the mantra, "dare to dream and learn to excel." His astute leadership was instrumental in the timely completion of the New Parliament Building, and under his stewardship,

the company is witnessing expansive growth, broadening its geographical and sectoral footprint.

At the helm, Vinayak is spearheading transformational strategies, infusing top-tier technologies, and systems to optimize project deliveries and escalate shareholder value. His insight into the evolving landscape of Indian infrastructure is pivotal in driving aggressive growth strategies across expansive revenue frameworks, as evidenced by the notable upsurge in business performance parameters.

Vinayak's visionary leadership, profound experience, and commitment to innovation and sustainability position him as a transformative figure in the infrastructure and construction sector, paving the way for a sustainable and novel future.



## Vishnu Chandra

Vishnu Chandra, Former Deputy Director General, National Informatics Centre, Ministry of Electronics & IT, Government of India is one of the innovators and prominent scientists in Geo-Spatial Technology & Services in India. He did his higher and academic education from IIT, Roorkee with MSc (Physics), MPhil (Instrumentation) and MTech (Electronics & Communication). He has More than 3 decades of experience working in various capacities at NIC leading Geospatial Technology and Services Division and other Project Divisions associated with Ministry of Housing & Urban Affairs, Ministry of Power, MNRE, Ministry of Coal and Ministry of Environment Forest & Climate Change, and also the National Disaster Management Information Systems Division and NIC-IPR Division. Currently, He is working as Advisor, Ministry of Panchayat Raj, Government of India in the area of GeoICT and Spatial Planning.

His contributions towards GIS enabled ICT Platform initiatives GIS such as National Power Portal, E-Dharti Geo Portal, Smart City Projects for Greater Noida/Noida, GIS Platform for Slum Rehabilitation in Mumbai, PARIVESH – Platform for Environment, Forest, Wild Life & CRZ Clearances, ICT & GIS Platform for Mapping of Abadi Land using Drone Data under path breaking Svamitva Scheme and Grammnachitra for Gram Panchayat Spatial Development Planning.

Since last more than 25 years, his Group at NIC was able to establish robust cloud based Multi-Layer GIS Platform, Bharatmaps, integrating geo-spatial data and services from SOI, ISRO, FSI, RGI and many Ministries and Departments. Bharatmaps Services are now getting embedded in work flows in major e-governance flagship project. NIC GIS Platform is major component of National GIS & Spatial Data Infrastructure Initiatives. This work is well recognized, published and awarded in various national and international forums such as Special Achievement Award (SAG) in GIS at ESRI-UC at San-Diego USA in the year 2017, Asia-Pacific Geo Spatial Award at Kuala Lumpur, Malaysia in 2017, BHARTNET GIS Award by DOT, and FICCI National Geo-Spatial Award 2020 for Multi-Layer GIS Platform for E-governance and Planning and so on.



### Ajay K

Horticulture Inspector, CMC Davanagere

- Knowledgeable with 6 years of Experience in the Parks field.
- Urban Forestation in City Limits.
- Municipalika 2023: presentation Green Cities Concept Urban Forestation and Controlling Air Pollution.



### Deepthi N

Assistant Executive Engineer (Environment)  
Mangaluru City Corporation

- Knowledgeable with 7 years of experience in the field of Solid Waste Management.
- Contribution in certification of Mangaluru city as ODF+, ODF++, and Garbage Free City.
- Contribution towards implementation of objectives under SBM (Urban) 1.0 & 2.0
- Contribution towards improvement in Door-to-Door collection & Segregation of waste efficiency.
- Implementation of Solid Waste Management Rules and 2016, Plastic Waste Management Rules and ban on Single Use Plastics (SUP).

Municipalika 2023: Processing of wet waste by a Start –up at no cost to Corporation



### Firoj Mulla

Junior Health Inspector, TP Devarahipparagi, Vijayapur District

- Knowledgeable with 5 years of Experience in the field of Solid waste Management in ULBs
- Contribution in certification of ODF.
- How to manage uneducated sanitary workers involved in daily solid waste management is to collect reports on their daily solid waste management in a manner that workers can understand.
- How To manage and Assign Public Grievance to sanitary worker in ULB

Municipalika 2023 : Presented paper on Benefits to PKs in ULBs and efficient management of SWM



### Hanamanta V Kaladagi

Assistant Executive Engineer (Environment), City Corporation Belagavi

Upto 10th std studied in my Native Kagalgomba Village in Kannada medium. Passed out in 1994 then PUC science in Karnataka college Dharwad in 1996 next my graduation BE (chemical) @ Rural engineering college (REC) Hulkoti, Gadag district, passed out in 2000

From 2001 to September 2005 worked in private pharmaceutical industry in production and formulation units of Cipla, Sami labs etc.

Municipalika-2020 held in Bangalore palace ground got award on my "used cooking oil to Biodiesel" project.

Municipalika -2023 held in palace Ground got Award on my "manufacturing of incense sticks from flower waste".



**Indu M**

Chief Officer, Town Municipal Council, Moodubidire

- Knowledgeable with 17 years of Experience in the field of Solid waste Management in ULBs
- Knowledge of city Development, Administration and rendering Services to General Public
- District level Award for the Best Practices in Solid Waste Management Environmental Day 2014
- Icon SWM award for Moodubidire in November 2016 held at Calcutta.
- Icon SWM award for Mulki TP in November 2018 held at Vijayawada.
- Swachh Survekshan award for Mulki TP in the Year 2019 at Delhi.
- Best Practice Special Mention award for the Year 2021-22 held at Bangalore by CMAK.
- Municipalika 2023 presentation on Zero waste Office and Events.

**Karthik R Naik**

SWM Expert, DUDC Karwar

- Published a paper relate to advanced railway sleepers in the region of Bangalore central to Yeshwantpur junction (International Journal of Research in Engineering & Technology).
- Published a paper on Assessment of Landscape Dynamics in Belgaum District from 1989 to 2019, In Indian Science congress
- presented paper on Waste water management at Municipalika 2023

**P Umashankar**

AEE (Env), CMC Chikkaballapur

Education: 1996 – 2000 Sri Jayachamarajendra College of Engineering, Mysore  
BE, Environmental Engineering.

Work experience : Organization - TMC , Devanahalli

2005-2012 worked as Environmental engineer

Organization - CMC , Chintamani

2012-2022 worked as Environmental engineer, AEE(Env) and Municipal Commissioner

Organization - CMC , Chikkaballapur

2005-2012 worked as AEE(Env) and Municipal Commissioner

**Pooja Fulari/Manjunath**

Environment Engineer, TMC Wadi (jn)

Chemical Engineering From Bhemanna Khandre Institute of technology (2014).

- Knowledgeable with 1.5 years of Experience in the field of Solid waste Management in ULBs.
- Contribution in certification of ODF.
- Municipalika-2023 held in place ground Bangalore got Award for Best initiative on solid waste management, By recycle plastic waste materials to paver block & tiles.
- Municipalika 2023:-presentation on recycle plastic waste materials to paver block & tiles.

**Sneha K S / Rayappa**

Environmental Engineer and commissioner CMC - Udupi

- Knowledgeable with 12 years of Experience in the field of Solid waste Management and Liquid waste Management in ULBs
- Contribution in certification of ODF and ODF+ in ULBs
- Contribution in order to get good ranking in Swachha survekshana
- Established semi mechanized Material recovery facility and Plastic recovery facility at Udupi CMC
- Achievements:
- Received best presentation award in SWM ICON international Conference at 2011 held in Kolkatta ( Subject-Effective implementation of Solid waste management in Chitadurga CMC)

- Received Best Practice award to Udupi CMC for black spot beautification and other best initiative taken in the field of SWM
- Presented Best Initiatives taken in the field of SWM with the involvement of Self-help group.

Municipalika 2023 : Presented on MRF facility in Udupi CMC

**Sunil**

Environmental Engineer, Chittapura TMC

B.Tech in Chemical Engineering from Sri Jayachamarajendra College of Engineering, Mysuru (2015)

- Knowledgeable with 7 years of experience in the field of effective Implementation of Solid Waste Management in ULBs.
- Contribution in certification of Kumbhari city as ODF+

Achievements: Received Best Practice award to TMC Chittapur given on 06/03/2023 for Beautification &amp; Gardening of SWM plant by Recyclable materials.

Municipalika -2023 held in Palace Ground got Award for Best Initiative on Solid Waste Management, production of "Cocopeat from coconut husk".

Municipalika 2023: Presentation on Production of Cocopeat from coconut husk "



## Tahera Tasneem

Environmental Engineer, Tarikere TMC

- Awarded with the Excellence Award for Best Paper Presentation for having presented the Implementation of best practices in Tarikere TMC at the Icon SWM-CE 2022, an International Conference held at Tirupathi.
- Felicitated with the Best Worker award in 2023 at the District Festival conducted in Chikkamagalur District for the public oriented initiatives taken up and implementation of best practices.
- Worked for the implementation of Beautification of Toilets and upgradation of toilets to meet ODF+ standards at Tarikere TMC. Achieved ODF+ certification and also received the

CMAK-Best practices award for the initiative in the year 2022.

- Implemented home composting and community composting techniques in the ULB limits. More than 100 park composting units have been established using waste arecanut tree trunks in various public places including office premises.
- Eradication of Blackspots done in the town limits by identifying the GVPs, cleaning the spot and spreading beautiful Rangoli designs in such places with the help of women SHGs. This activity helped to bring about awareness among the public for eradicating the black spots and keeping the town clean.
- Cleaning of a prominent Lake "Chikkere" situated in the mid of the town was done only with the help of Pourakarmikas working with the ULB. One of the most attractive and prominent ancient lake of the city was polluted by throwing Garbage and unwanted materials into it. The lake was cleaned and rendered free of Solid Waste making it a beautiful place for public to visit for recreation.
- A beautiful Selfie Spot has been created in the ULB using unwanted plastic materials. The thrown away plastic bottles have been used to grow small ornamental flowering plants to create an attractive backdrop for selfies.
- Night sweeping in commercial areas of the ULB has been introduced to clean off the roads in without interfering the commercial activity and public movement in the town.
- "Namma Chitta Swachchateyatta" a unique program has been introduced for cleaning of public places along with volunteers and NGOs. The program is implemented on every 1st & 3rd Saturday of the week. All the office staff along with volunteers and NGOs join together to clean up any public place including Parks & Gardens, Graveyards, Neighbourhoods etc resulting in cleaning of atleast 2 prominent places in a month and also encouraging public involvement in keeping the town clean.

Municipalika 2023 : Presentation on Beautification of Toilets and Poultry waste Management in Tarikere TMC



## Thimmaraju G V

Environment Engineer, (In charge Chief Officer) TMC Hosadurga

B E (Chemical) Engineering from Siddaganga Institute of Technology Tumakuru.

- Knowledgeable about Swachh Bharat mission and Solid waste management, Liquid waste management, Local Body Administration
- Contribution in certification of ODF++, 3 Star Garbage Free star city, Swachh Survekshana and Swachh Bharat mission and Sustainable solid waste management.
- Municipalika-2023 held in place ground Bangalore got Award for Best initiative on Sustainable solid waste management
- Municipalika 2023:-presentation on Sustainable solid waste management
- CMAK 2022 Award for Integrated solid waste management Best Practice
- 2018, 2019, 2021 Swachh Survekshan Award.

Municipalika 2023: presented paper on Integrated Waste Management.

# RIVER CITIES ALLIANCE

A city-led movement for promulgating river-sensitive planning and development

RCA, is an exceptional partnership between the Ministry of Jal Shakti and Ministry of Housing and Urban Affairs towards reshaping urban development into sustainable river-centric development. RCA's success story lies in its collaborative governance, bringing central, state and city governments together to achieve sustainable urban river management and set the benchmark for river-sensitive planning.



With RCA's expansion, India now stands as a 'Global Bridge' between developed and developing nations in the realm of urban river management

Rivers

78

River Basins

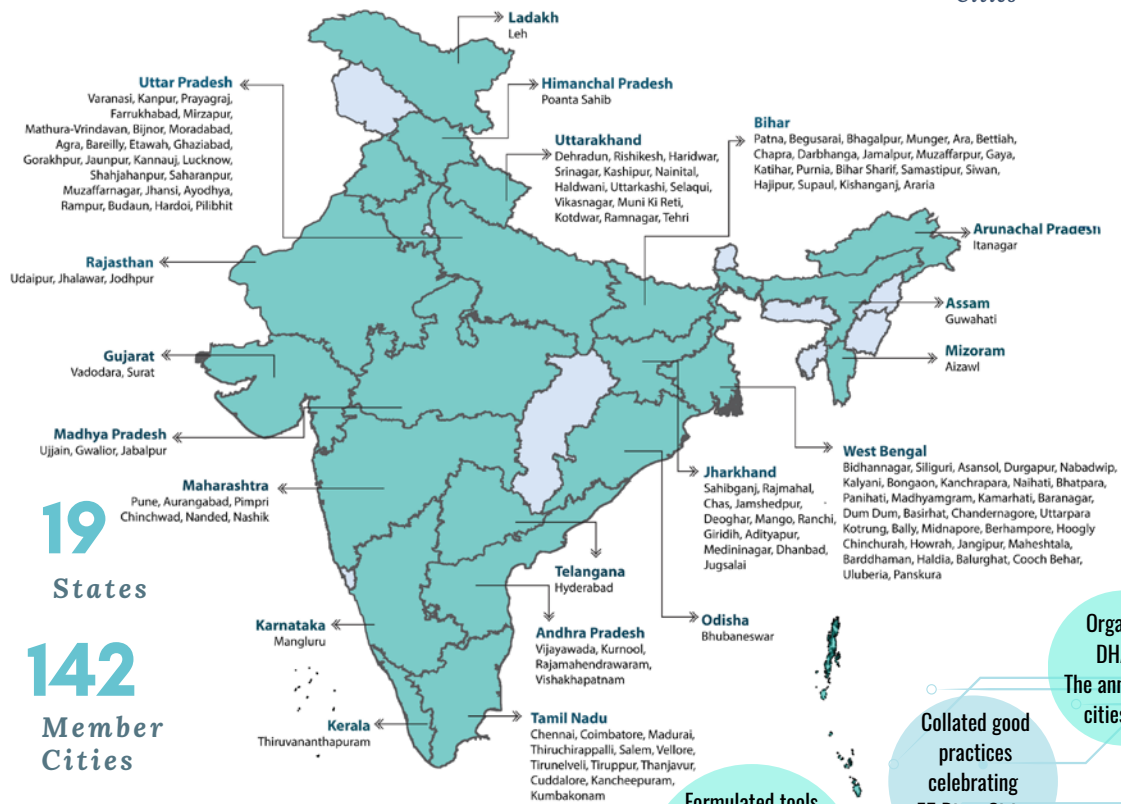
28

Ganga Basin Cities

86

31 Smart Cities

96 AMRUT Cities



Information exchange on aspects of urban river management

Strengthen the governance aspects

Objectives of RCA

Access to state-of-the-art knowledge, frameworks

Dedicated technical and handholding support

Formulated tools like Water Bodies Diagnosis Tool for cities to rapidly assess their water bodies

Conducted trainings on River-Sensitive Master Planning

Organized dedicated trainings on Practical Application of Treated 'Used' Water

Collated good practices celebrating 75 River Cities Initiatives

Organized DHARA-The annual river cities meet

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**Titus Mathai K**  
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**Press 2** BBMP Grievance

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Pest Control



Animal Husbandry Welfare



Forest and Horticulture issues



Crematorium



Property tax issues



Trade License



Birth / Death / Khata Certificates



Building Plan Approval

**Rakesh Singh, IAS**  
Administrator, BBMP



Wear Mask



Follow Physical Distance



Maintain Hand Hygiene

**Tushar Giri Nath, IAS**  
Chief Commissioner, BBMP





**Shri. Siddaramaiah**  
Hon'ble Chief Minister  
Government of Karnataka



**Shri. Suresha B.S**  
Hon'ble Minister for Urban  
Development and Town Planning  
(including KUWSDB and KUIDFC) and  
Kolar District incharge Minister  
Government of Karnataka

## ***Creating Smart Infrastructure – Smart Solutions for Urban Centers***



***Water Treatment Plant of  
Ranebennur***



***Sewage Treatment Plant in  
Davanagere***



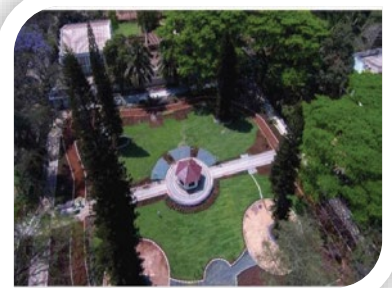
***Kundawada Lake, Davanagere***



***E-Library Tumakuru***



***Command Control Center  
Belagavi***



***Nathpai Park Belagavi***



***Bal Bhavan Bengaluru***



***Kalyani Davanagere***



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New Delhi - 110001, India

Website - [www.broadbandindiaforum.in](http://www.broadbandindiaforum.in)

Products / Services - E-Governance.

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Malleswaram

Bangalore, Karnataka

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## **CLEANTEC INFRA PVT. LTD.**

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CPB-201 & 202

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## **DEPARTMENT OF TOWN AND COUNTRY PLANNING, KARNATAKA**

Booth No:

## **DHARWAD CITY CORPORATION**

Booth No: C-422

Bangalore, Karnataka

## **DIRECTORATE OF MUNICIPAL ADMINISTRATION (DMA)**

Booth No: C-110

CO-PARTICIPANTS:

### **BANGALORE URBAN**

Booth No: C-110-1

### **BANGALORE RURAL**

Booth No: C-110-2

### **HIKKABALLAPUR CMC**

Booth No: C-110-3

### **BENAGVI CITY CORPORATION**

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### **CHITTAPURA & WAD TMC**

Booth No: C-110-5

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## **DIRECTORATE OF MUNICIPAL ADMINISTRATION (DMA), GOK**

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## **DIRECTORATE OF URBAN LAND TRANSPORT (DULT)**

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Website - [www.dynaminequipments.co.in](http://www.dynaminequipments.co.in)

Products / Services - Swdge Dewatering MIC, Vowte Press, Scress Press.

## **EHT WATER TANKS PVT. LTD. (PIPECO WATER TANKS)**

Booth No: E-323

# 10, Johar Complex

3rd Floor Mosque Road

Basavanagudi

Bangalore - 560004, Karnataka

Website - [www.ehtwatertanks.com](http://www.ehtwatertanks.com)

Products / Services - GRP and Steel Sectional Water Tanks.

## **FORUM OF CRITICAL UTILITY SERVICES**

Booth No: C-426



## **GENESYS INTERNATIONAL CORPORATION LTD.**

Booth No: B-503

73/A, SDF 3, Seepz,

Andheri East

Mumbai - 400096, Maharashtra

Website - [www.igenesys.com](http://www.igenesys.com)

Products / Services - 2D and 3D Geospatial Mapping, Surveying and Content Creation.

## **GENROBOTIC INNOVATIONS**

Booth No: E-308

cdac aced-11,4th Floor

CDAC Knowledge Resource Centre Building

Technopark Campus

Thiruvananthapuram - 695581, Kerala

Website - [www.genrobotics.org](http://www.genrobotics.org)

Products / Services - Bandicoot, Bandicoot Min, Bandicoot Mobility.

## **GREENERIA RENEWABLE TECHNOLOGIES / ARUNA GREEN VENTURES**

Booth No: E-333

# 1875, 28th Main,

South End C Cross,9th Block, Jayanagar

East End, Bangalore South

Bangalore - 560069, Karnataka

Website - [www.greeneria.in](http://www.greeneria.in)

Products / Services - Biogas Plants, OWC, Shredders, Crushers, Agitators, Incenerator, Conveyors.

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Website - [www.trufloppies.com](http://www.trufloppies.com)  
Products / Services - Pipes, Fittings, Water Tanks, Bath Fittings.

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Behind Police Station  
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### **HOUSING AND URBAN DEVELOPMENT CORPORATION LTD. (HUDCO)**

Booth No: A-107

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Core-7-A, India Habitat Centre  
Lodhi Road,  
New Delhi - 110003, India  
Website - [www.hudco.org.in](http://www.hudco.org.in)  
Products / Services - To Promote Sustainable Habitat Development To Enhance The Quality Of Life.



## **HP COMPOSITES LLP**

Booth No: B-203

G-11, Unique House  
Chakala  
Andheri (E)  
Mumbai - 400099, Maharashtra  
Website - [www.hpcompositesllp.com](http://www.hpcompositesllp.com)  
Products / Services - FRP Manhole Cover, Drainage Solutions.

## **HUBERT ENVIRO CARE SYSTEMS PVT. LTD.**

Booth No: E-210

A-21, Behind Lions Club School  
Phase-III, Thiruvika Industrial Estate  
Guindy  
Chennai - 600032, Tamil Nadu  
Website - [www.marketing@hecs.in](http://www.marketing@hecs.in)  
Products / Services - Waste Water Treatment System.  
IGBC  
Booth No: E-205

## **INDIAN CENTRIFUGE ENGINEERING SOLUTION PVT. LTD. (RE LEAF ICF GROUP INDIA)**

Booth No: E-208

C-4, SIDCO, Industrial Estate  
Ettumandoor  
P.O.-Kottayam  
Kottayam, Kerala  
Website - [www.releaf.in](http://www.releaf.in)  
Products / Services - Portable Toilets & BioSeptic Tanks etc.

## **INDIAN INFRASTRUCTURE**

Booth No: C-416



## **INFRASTRUCTURE DEVELOPMENT PORTS AND INLAND WATER TRANSPORT (IDD), KARNATAKA**

Booth No: C-243

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Booth No: C-425

Prestige Brooklyn Pearl

Kanakpura Road

JP Nagar, 1st Phase

Bangalore - 560070, Karnataka

Website - [www.inkers.ai](http://www.inkers.ai)

Products / Services - Observance-AI Powered Construction Management Platform.

## **IOS COMMERCE PVT. LTD. (TATA MOTORS)**

Booth No: B-300

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Anand Mangal Ind.Estate

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Vasai - 401208, Maharashtra

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Mumbai - 400077, Maharashtra



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Industrial Area No.1

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Website - [www.jainumprojects.com](http://www.jainumprojects.com)

Products / Services - Manufacturer of Segregation of Solid Waste. RDF Projects, Land Reclamation(Bio Mining) Projects, Material Recover Facility(MRF), Conveyor Systems, Organic Waste Converter.

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Products / Services - Industrial Pumps.

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Products / Services - Construction, Architecture, Chemicals.

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Products / Services - Automatic Smoke & Natural Ventilation Systems.



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Products / Services - Solid Waste Management, Water treatment, Waste Water Recycling, Air Treatment, Energy Savings.

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Karnataka - 560078, Karnataka

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Panchavati Divisional Office

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Website - [www.nashiksmartcity.in](http://www.nashiksmartcity.in)

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Booth No: B-421

1st & 2nd Floor, Core 4B

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Lodhi Road, Lodi Colony

New Delhi - 110003

Website - [www.niua.in](http://www.niua.in)

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Booth No: E-307

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Sigapi Achi Building 7th Floor  
18/3,Rukmani Lakshmipathi Road  
Egmore  
Chennai - 600008, Tamil Nadu  
Website - [www.saint-gobain.com](http://www.saint-gobain.com)



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Website - [www.sbsenviro.com](http://www.sbsenviro.com)

## **SHIVANG FURNACES AND OVENS INDUSTRIES PVT. LTD.**

Booth No: E-209

483,Jalaram Estate  
Narol Vatva Road  
Narol  
Ahmedabad - 382405, Gujarat  
Website - [www.shivangfurnace.com](http://www.shivangfurnace.com)  
Products / Services - Electric and Gas Cremation Furnaces, Incinerators, Wood Fired Cremation Furnaces.

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Booth No:

Ground Floor, Signature Tower  
South City -1  
Gurugram - 122001, Haryana  
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Kavi Lakshmisha  
V.V.Puram, Near NMH Hotel  
Bangalore - 560004, Karnataka



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### **SWACHH BHARAT MISSION (SBM) - URBAN (UDD) - GOK**

Booth No: E-324

Karnataka

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Booth No: E-211

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Corporate Avenue  
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### **TRIANGLE INNOVATIONS**

Booth No: B-515

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Sunkadakatte  
Bangalore - 560091, Karnataka  
Website - [www.icleanx.com](http://www.icleanx.com)  
Products / Services - Smart Sweeping Machine.

### **ULTRATECH CEMENT LTD.**

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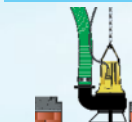
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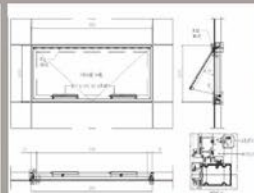
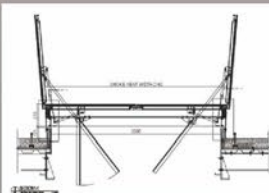
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Created with hopes and dreams, not just bricks and beams.*

*Where late night laughter can freely echo within its halls,  
and children's unbound imagination adorn the walls.*

*Where the answers to peace of mind lie,  
and questions about lease or rent do not arise.*

*It's a feeling that welcomes you each time with open doors,  
and lets in the sweet smell of your success through its windows.*



**INDEPENDENT  
FLOORS  
FOR THE  
INDEPENDENT  
YOU**

GURUGRAM & SOUTH OF GURUGRAM

**APNA GHAR,<sup>®</sup>  
TOH APNA HI HOTA HAI!**

Signatureglobal (India) Limited, Ground Floor, Tower A, Signature Tower, South City -1, Gurugram, Haryana-122001

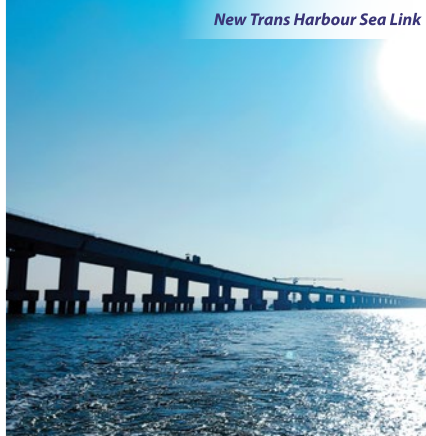
**📞 7053-121-121 | WWW.SIGNATUREGLOBAL.IN**

Disclaimer: Promoter urges every applicant to inspect the project site and shall not merely rely upon any architectural impression, plan, sales brochure, advertisements, representations, statements of whatsoever nature and, therefore, requests to make personal judgment prior to submitting an application for allotment. The Project is being developed in phases, hence, certain facilities/amenities etc, may be used by allottee of other phases. Unless otherwise stated, all the images, visuals, materials and information contained herein are purely creative/artistic and may not be actual representations of the product and/or any amenities. Further, the actual design may vary in the fit and finished form, from the one displayed above. Journey time shown, if any, is based upon Google Maps which may vary as per the traffic at a relevant point of time. \*Rate mentioned above does not include GST and other statutory charges, if applicable. T & C Apply. 1 sq. mt. = 10.7639 sq. ft.



*Transforming  
Lives*

*New Trans Harbour Sea Link*



*New Parliament Building*

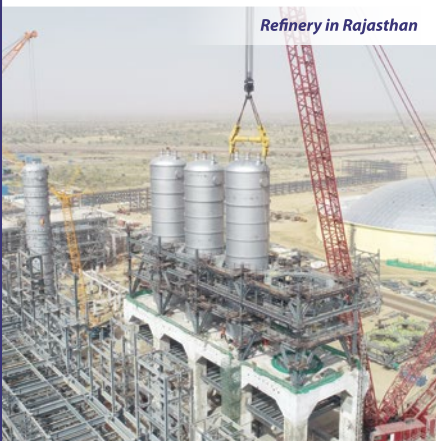


**Strong Foundation  
for a Strong Nation**

*Fastest Constructed Airport*



*Refinery in Rajasthan*



*Dedicated Freight Corridor Corporation*



*Building  
Nation*







Confederation of Indian Industry

# IGBC & Multi National Corporations

**100+** MNC organizations have adopted IGBC Net Zero & Green Building Ratings

## MNC's adopting IGBC ratings across sectors:

Automobile, Finance, FMCG, Hospitality,  
IT, Factories, Media, Textile, etc.

### Corporates



Brookfield Properties

CANDOR REALTY

CapitaLand

neous MALLS

Shapoorji Pallonji

### Developers

### Factories



adani connex DATA CENTRES

Jio

netmagic

NITDATA

STTelemedia Global Data Centres

### Data Centers

## Tenants in Various Projects Adopting IGBC Ratings



\* Not exhaustive list

IGBC ratings programs are ...

**National by Choice, Global in Performance !**

www.IGBC.in

## **Nashik Smart City : Tradition Meets Innovation, Redefining Urban Living with Technology**



*"Nashik Smart City Projects has been a game-changer for our Nashik City, providing a cutting-edge environment that seamlessly blends technology and tradition. The city's commitment to innovation has significantly enhanced our operational efficiency and overall success."*

- Nashik Smart City is a Special Purpose Vehicle (SPV) established under Nashik Municipal Corporation (NMC) and is a limited company wholly owned by NMC and State Government of Maharashtra named as "Nashik Municipal Smart City Development Corporation Ltd. (NMSCDCL)"
- Nashik Smart city is progressing towards renewable and clean energy sources to embrace sustainable coexistence with nature.
- Nashik Smart city aims to make citizen-friendly and cost effective-increasingly rely on online services to bring about accountability and transparency.



ICCC



STREET LIGHT



SOLAR PANEL



SMART SCHOOL



WTP



GODA PARK



# PAVING THE WAY FOR A **GREENER &** **BRIGHTER** TOMORROW.



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5<sup>th</sup> Generation  
Waste-to-energy  
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#1 India's Leading  
Waste to Energy Service Provider  
[48 MW of Energy Generation]



Near ZERO emissions  
and completely  
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World class Command & Control  
Centre with state-of-the-art  
DCS with integrated IOT,  
fuzzy logic & AI solutions

## With Best Compliments For Municipalika - 2023 From Broadband India Forum

- BIF formed in 2015
- An Independent Policy Forum and Think Tank for Digital Transformation
- Working through an apex Executive Council and various Specialist Committees
- Mission of BIF – Proliferation of high quality and affordable broadband to all in the country in a technology-neutral, service- neutral and all-inclusive manner
- Promote, Support and Enhance all policy, regulatory & standards initiatives for the development & enhancement of the entire broadband ecosystem in the country

### BIF MEMBERS



### BIF functions and creates value through Specialist Committees

- |  |   |   |
|--|---|---|
| ▶ AI & IoT   | ▶ Committee for Accessibility & Inclusion (PwD) | ▶ Spectrum & Regulatory Framework       |
| ▶ Broadband Infrastructure                           | ▶ Interconnect Exchange                         | ▶ Startup & MSME                        |
| ▶ Cross Sectoral Digi Infra                          | ▶ Manufacturing – Network                       | ▶ Wi-Fi                                 |
| ▶ Cyber Security                                     | ▶ New Technologies                              | ▶ Working Group on Academia & Standards |
| ▶ Device Ecosystems                                  | ▶ Online Skill-Based Gaming (OSBG)              |   |
| ▶ FTTX & IBS   | ▶ Rural Digital Initiatives                     |   |
| ▶ ICAG (Internet Content, Applications & Governance) | ▶ Satcom  |   |

