

ITU-APT Foundation of India

National Conference

ON

ICT *Technologies and KPIs for
Smart, Safe & Sustainable Cities*

**12th March
2019 / India**

*The Park Hotel
New Delhi*





Program

Cities are the hubs of innovation that drive economic development. As we move forth on implementing our smarter cities, the use information and communication technologies (ICTs) to address urban challenges and provide a better quality of life becomes all the more important.

Smart cities emphasize the intelligent management of a city's resources for the purpose of solving urban challenges. This intelligent management of smart cities always includes using Telecommunications and other ICT infrastructures to substantially increase the efficiency in urban operations and services, make them safer for the residents and visitors and improve their quality of life (QoL). ICT is the lifeline of a Smart City. Without it, the Smart City idea cannot exist. Consequently, ICT infrastructure design for Smart Cities must itself be smart. It is important to add intelligence to this network, and to provide scalability, robustness and flexibility.

Automated and simplified network management allows for unified and central network management that helps simplify the often large and sometimes unwieldy networks required to support Smart Cities. Networks that are based on this concept fulfill one of the most pressing needs for Smart City ICT infrastructure by allowing the network to be managed as a single entity, reducing complexity and increasing efficiency.

With the emerging 5G network and the internet of things, it is possible to deploy technology in ways that protect the environment and promote long-term sustainability. These new technology innovations have the potential to become an integral part of and accelerate global efforts to address the challenges of sustainability. As we continue toward a more urbanized world and the impacts of climate change grow progressively dire, the need for 5G becomes truly paramount. With 5G, governments, industry, communities, and individuals will have the connectivity, capability and agility to meet many of the challenges that our cities face.

IoT is an integral part of the Smart City, ICT network design enabling IoT applications is essential. This is the case especially for wireless networks that can reduce the costs of wireless installations while providing for ease of deployment for IoT devices.

The ability to measure the performance of smart cities, key performance indicators (KPIs) help in monitoring of the progress achieved during the transition to smart. As the establishment of smart cities is a long term process and cannot be achieved overnight, it is essential that a set of indicators are defined that would not only allow for comparability but would also promote sustainable development along with each city being able to quantify improvements as time passes.

ITU has developed indicators to provide cities with a consistent and standardized method to collect data and measure performance and progress to:

- Achieving the Sustainable Development Goals (SDGs);
- Becoming a smarter and safer city; and
- Becoming a more sustainable city.

City leaders will benefit from these KPIs in terms of strategic planning and measurement of the city progress towards their individual smart city goals. It is desirable that cities can quantify their achievement according to their goals. Therefore, by utilizing these indicators, cities as well as their stakeholders can also objectively assess the extent to which they may be perceived as smart sustainable cities.

Over 50 cities worldwide are already implementing ITU KPIs, including Dubai, Singapore, Wuxi, , Moscow, etc. Smart cities in India can significantly benefit from using these KPIs, taking into account the elements of a smart safe and sustainable cities that crucially rely on ICT and offer a credible measure of progress on transition to a truly SSSC city.

An important element of the SSSC is the collection of data about the urban environment and its services. This includes statistics and metrics obtained from various sources like civic services, city stakeholders, as well as electronic sensors conforming to the Internet of Things (IoT) standards. This collected data is essential for intelligent and responsible decision-making by local government and city stakeholder officials. Both the enabling of participatory governance and the management and interpretation of large amounts of collected data require the existence and development of an extensive, robust, and scalable Information and Communication Technologies (ICT) infrastructure.

ICT in the Smart City is used to enhance quality, performance and interactivity of urban services, to reduce costs and resource consumption, and to improve contact between citizens and city stakeholders. Smart City applications run on top of the ICT infrastructure and are developed to manage urban flows and allow for real-time responses that improve the quality of life.

The Smart City idea is here to stay and as a consequence, Smart City ICT and IoT infrastructures must rise to the challenge of supporting these vital concepts for the futures of our cities.

This conference will address how the ICT and telecom services can better coordinate in the implementation of smart cities in India.

Program Agenda

ITU-APT Foundation of India
National Conference on
'ICT Technologies and KPIs for Smart Safe & Sustainable Cities'

DAY 1
11th March 2019
0700 PM onwards,
Hotel Park, Parliament Street, New Delhi-110001
Welcome dinner to Honour Mr. Malcolm Johnson, Deputy Secretary General ITU

DAY 2
12th March 2019,
Hotel Park, Parliament Street, New Delhi- 110001
0900 AM Onwards

09.00-09.30	Registration
09.30 – 10.15	Inaugural Session • Welcome Address by Mr. TR Dua, Chairman, ITU APT Foundation of India • Introduction to the Conference: Mr. Vimal Wakhlu, Vice President, ITU-APT Foundation • Address on Role of ICT Technologies for Safe Cities Mr. Bharat Bhatia, President, ITU-APT FOUNDATION OF INDIA • Address on ICT infrastructure in Smart safe and Sustainable cities: Ms. Swati Rangachari, Sterlite Technologies • Address by the Guest of Honour Mr. Debatosh Manna, Advisor Operations /Member (Services), DOT • Address by Chief Guest: Mr. Malcolm Johnson, Deputy Secretary General ITU • Vote of Thanks: Mr. N K Goyal, Vice Chairman, ITU- APT Foundation of India
10:15 – 10:45	Opening Presentation • Mr. Malcolm Johnson Deputy Secretary General ITU on ITU KPIs -The International Telecommunications Union (ITU) , an organ of UNO and the United for Smart Sustainable Cities (U4SSC) initiative has developed a set of international key performance indicators (KPIs) to establish the criteria to evaluate ICT's contributions in making cities smarter and more sustainable. Over 50 cities worldwide are already implementing these KPIs, including Dubai, Singapore, Moscow, etc. and have asked ITU for assistance in guiding them in the SSC process and implementing the U4SSC KPIs.
10:45:11:30	Session on What is needed in ICT for the Smart Safe Sustainable Cities in India Session Chair: Mr. Malcolm Johnson Deputy Secretary General ITU Presentation: 1. Dr. P. Shekhar, Advisor Smart Cities , Mumbai - Nagpur Corridor 2. Mr. Raghav Chaudhari, Motorola Solutions. 3. Mr. Manoj Kumar Singh, Chief of Technology, Indus Towers

11:15 – 11:30	Health Break with Tea /Coffee and free interactions
11:30 – 12:30	Leveraging ICT Technologies for Smart, Safe and Sustainable cities AI/ IoT/ Blockchain /Big Data Analytics Chairperson: Shri Vipin Tyagi, ED, CDoT Key Note Presentations 1. Ms. Alka Asthana, CTO, Bharti Infratel Limited. 2. Mr. V Srinivasa Rao, Chairman, Smart Cities Working Group, IET, CMD BT & BT 3. Mr. Sushil Kumar, DDG , IoT, TEC - IOT for SSSC: 4. Mr. Kishore Babu, DDG(Policy& IT), DoT - 5G for SSSC
12.30 – 13.30	Panel Discussion on ICT Infrastructure for Smart Safe and Sustainable Cities Chairperson: Shri Tilak Raj Dua, DG Taipa Panel Speakers: 1. Mr. Hemant Dadlani, VP, Head Regulatory Affairs & CSR, ATC 2. Mr. Alok Varshney, Consulting Partner, Ampusolar 3. Mr. JT Rao, Founder & Chairman WinAMR - Smart City technologies:
13:30 – 14:30	Networking Lunch
14:30- 15:30	Round Table discussions on Smart Cities in India- The way forward Session coordinated by Mr. Bharat Bhatia President ITU -APT Foundation of India Panellists: Mr. V Umashankar, IAS, CEO, GMDC Dr. P. S ekhar, Advisor Smart Cities , Mumbai - Nagpur Corridor Mr. Sushil Kumar, DDG , IoT, TEC Mr. V Srinivasa Rao, Chairman, Smart Cities Working Group, IET, CMD BT & BT Mr. Alok Varshney, Consulting Partner, Ampusolar Mr. JT Rao, Foun der & Chairman WinAMR Mr. Vimal Wakhlu, Vice President, ITU -APT Foundation
15:30 – 16:00	Presentation of Certificates to the participants and Speakers

*Invited/Yet to be confirmed

Speakers Bio



MALCOLM JOHNSON
Deputy Secretary General ITU

Malcolm Johnson was re-elected ITU Deputy Secretary-General on 1 November 2018 for a second four-year term starting on 1 January 2019. During his first term as Deputy Secretary-General, he implemented many efficiency measures releasing more resources to key ITU activities. He led the ITU's new headquarters building project from initiation to selection of architect and concept design. He has modernized ITU's physical security, improved internal coordination and streamlined and digitized many internal processes. From 2007 to 2014 he served as Director of ITU's Telecommunication Standardization Bureau where he spearheaded activities in cybersecurity, climate change and accessibility, considerably increasing the involvement of developing countries and academia in ITU's standards activities. Between 2003 and 2006, Mr. Johnson was International Coordinator at the United Kingdom's Office of Communications (Ofcom), where he had lead responsibility for the United Kingdom in ITU and in CEPT. From 1992 to 2003, he was Director of the United Kingdom's Radiocommunications Agency and between 1988 and 1992, he worked in the European Commission's Telecommunication Regulations Division, where he represented the Commission in the Council of the European Union, EU Parliament, CEPT and ITU.



SWATI RANGACHARI
Chief Corporate Affairs Officer At Sterlite Technologies Limited

She has 20 plus years of varied experience in government affairs, industry relations, communications campaigns and brand visibility in high intensity growth markets. She has been a student of constant learning, her focus is to deliver to new challenges with responsible solutions. She has had the privilege to create motivated and result oriented teams. Prior to working with corporate, her entrepreneurial spirit led her to run a national level advertising agency. On the educational front, She has a Masters in International Management and a recent stint in Boston University. Her personal passion is to play a significant role in diversity and sustainability programs. Her strength lies in strategizing and delivering an integrated, sustained, result-driven plan that influences stakeholders on company objectives. She blends leadership and a commonsensical approach to ensure effective results.

As a part of Sterlite Technologies leadership in Policy for across the world, she articulates a vision of growth and synergies. She has held leadership positions in communications and Government Affairs in telecom, aerospace and IT companies like Ericsson, Boeing, Texas Instruments and Aditi Technologies.



BHARAT BHATIA

President ITU-APT Foundation of India

Mr. Bharat Bhatia has over 43 years of experience in Telecom and ICT policy, regulations and spectrum management.

Mr. Bhatia is the President of ITU-APT Foundation of India and the founder President of the Core Group of Telecom Industries Association of India (CTIA).

Mr. Bhatia currently heads International spectrum and Regulatory team at Motorola Solutions' Government Affairs and leads a global team of Spectrum and regulatory resources in Motorola Solutions.

Mr. Bhatia is also the Chair of the Public Safety and Disaster Relief communications -PPDR working group under the ITU-R study group 5D .as well as the Chair of the APT Task Group on -PPDR and Earlier he was also the President of TEMA (Telecom Equipment Manufacturers Association of India) and a Vice President of Association of Telecom Industries of Singapore (ATIS). Mr. Bhatia is an expert on spectrum, ICT Policy, Regulations, public safety and emergency and disaster relief communications. Mr Bhatia works closely with many Asian, European and African governments on issues of Policy and regulations concerning PPDR, Spectrum, ICT technologies and services. Mr. Bhatia has attended all world radio Conferences for last 20 years as well as all meetings of ITU



T R DUA

Chairman, ITU-APT Foundation of India

Mr. Tillak Raj Dua is the Director General, TAIPA and Chairman ITU-APT. The total experience of Mr. Dua accounts to more than 35 years in the telecom sector. His experience includes all facets of telecom be it Product Development, Business Development, Telecom Licensing, Regulatory issues with respect to interconnection / roaming / unified licensing and infrastructure sharing / Mobile Number Portability, Spectrum Management, Spectrum Related Issues Like Spectrum Pricing, Efficient Utilization and Spectrum reframing, finalization of joint ventures, Technical collaboration, Introduction of new product, Launch of cellular services in India and finalization of licence agreements / interconnect agreements etc

Over the years in the industry, Mr. Dua have held prestigious positions as Director in leading telecom companies like Bharti Airtel Ltd., Shyam Telecom Ltd., Cellular Operators Association of India (COAI), Vice Chairman and Global ICT Standardization Forum for India.

Mr. Dua is an engineering graduate with diploma in Business Management and export Marketing.



VIPIN TYAGI

Director of C-DOT

Mr. Vipin Tyagi is the Executive Director of C-DOT.

Presently, Mr. Tyagi, as Executive Director & Chairman of the Board, is heading C-DOT, which is engaged in development of various projects at the frontier of Telecom technology in the areas of Optical communications, Next Generation Networks and Wireless technologies. C-DOT is also playing important roles in 'Make in India' and 'Digital India' programs launched by Govt. of India, Department of Telecommunications. Digital communication infrastructure required for smart cities and smart buildings is also being innovated by C-DOT.

Mr. Tyagi is an innovation and Business Leader from Information Technology and Telecommunication Industry for over 35 years. He had founded and led a Company out of New Delhi for 12 years as Board Member and Global CEO. He has headed global business in India, Japan, Australia, USA and Europe. He has actively worked towards Research and Development of large systems, Organizational Development and creation of high performance teams. In October, 2009, Vipin decided to promote National level R&D and joined C-DOT.



ALKA ASTHANA

CTO, Bharti Infratel Ltd

- Chief Technical Officer in Bharti Infratel Ltd. Responsible for driving technology adoption, innovation, green infrastructure, performance improvement and Smart City Delivery.
- 24+ Years of rich diverse experience in Telecom Space Including two decades of working in Government of India. Indian Telecom Services.
- Runs Sangati Foundation, Initiative for accessibility for differently abled in India
- Is a keen observer of life through travelling and reading, converts these musings to writing poetry and blogs.



MANOJ KUMAR SINGH

(CTO) of Indus Towers

Manoj Kumar Singh is Chief Technology Officer (CTO) of Indus Towers. He is heading Technology as well as the Regulatory Affairs & Sustainability function. He has been associated with Indus since inception. He brings with him over 28 years' experiences in techno commercial projects and end-to-end deliverables of the project/ campaign, analysis of client requirements, estimations, risk, metrics identification, workforce management & effective utilization of teams.

He represents Indus in various Industry Bodies ie. TAIPA, COAI, FIICI, CII etc. He is driving the policy advocacy agenda for telecom infra providers. He is also Chairman of Energy Committee of TAIPA and is actively engaged with the industry and the government for Green Telecom Policy & reducing carbon footprint. He has been an anchor in making Indus the first telecom infra company to release Sustainability Reports since FY13-14. He is a coveted speaker on Green Energy in Indian Telecom space & has represented Indus at various international forums.

Manoj is also spear-heading the Indus' CSR journey and the company has been recognized & awarded with 'Annual Change maker award', 'National award for excellence in CSR & Sustainability for its CSR agenda and programs.

Prior to Indus he has worked with SRF as Associate Vice President & Kanoria Chemicals as General Manager. He has led various Green Field Power Projects & has extensive experience in Technology innovation.



Dr. P SEKHAR

Chairman Global Smart Cities

Dr. P. Sekhar is the Chairman Global Smart Cities Panel (MEDC) & Micro Tech Global Foundation. A visionary with over two decades of experience working and innovating in the area of security, Dr. Shekhar has spent the last decade in giving shape to his concept of "secured governance" and illustrating the effectiveness and enormous boost this could give to the Indian economy via a well documented series of 60 plus books on secured Techno-Economic National growth.

These books have looked at different Indian states, what they have and what they need; and different growth oriented sectors such as Highways, Industries, Railways, Tourism, Sports, Agriculture, Power, Education, Healthcare, to assess their potential and what is required.

He has spent over four decades in R & D based technologies and related human and national development initiatives. Credited with having led the foundation of first technology park in India, Dr. Shekhar owns a range of intellectual property rights and has been a leading campaigner to focus on access to technology as the key to social change.

He has done research leading to Ph.D from MU for work done in Nuclear Physics in BARC and Solid State Electronics in TIFR with International publications.



Mr. N.K.GOYAL

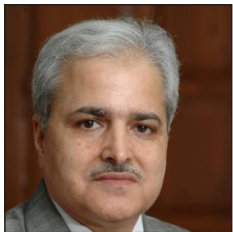
Vice Chairman, ITU-APT Foundation of India

Prof. Goyal, Senior Telecom Professional is Post Graduate in Science with experience of about 43 years in Telecom/IT.

He is President, CMAI Association of India (CMAI), which is India largest ICT association of India with 48,500 members and 54 MOU partners worldwide. Prof. Goyal is the only person in the world having joined five consecutive years the Ribbon Cutting and inauguration of world's largest Consumer Electronic show called CES, Las Vegas.

CMAI is also known as organizers of ICT World Communication Awards, National Education Summit and Awards, Global ICT Forum, training and formation of Cyber Security-Ethical Hacking and safe web development. CMAI has so far trained more than 10,000 delegates in Cyber security and CMAI interacts with more than 1,00,000 Educational Institutes.

Chairman Emeritus of Telecom Equipments Manufacturers Association of India (TEMA); Vice Chairman, ITU APT India; Chairman CTIA, India; Ambassador for India and South Asia, Commonwealth Telecom Organization, UK; President Cyber Security Association of India(CSAI); President Association of Educational Institutes and Universities(AEIU); and is actively involved in policy formulations and development of industrial policies specially related to telecom, mobile, cyber security, ICT, education and skills development sector. He is member of about hundred committees/groups formed by Government in this behalf. He is also Member Governing Council, Government of India, Telecom Equipment & Services Export Promotion Council, to promote exports under Ministry of Commerce and Industries and Chairman of India Trade Promotion Services, Dubai. He is Professor and Adviser with Gujarat Technological University, Ahmadabad.



VIMAL WAKHLU

Vice Chairman ITU-APT Foundation of India

Mr. Vimal Wakhlul is the former Chairman & Managing Director of Telecommunications Consultants India Ltd.(TCIL),a Government of India Enterprise.

A Bachelor of Engineering (B.E.) from National Institute of Technology, Srinagar 1977, and MBA Marketing from IGNOU, he has close to 42 years of experience in the domain of ICT

He is a Member of Working Groups on United for Smart Sustainable Cities (U4SSC) initiative of ITU (International Telecommunications Union)-UNECE (United Nations Economic Commission on Europe)

He has been instrumental in the successful implementation of the prestigious Government of India's Pan African e-Network Project, a project envisioned by Dr. APJ Abdul Kalam, the Former President of India, providing a platform to 48 nations in Africa to India for Education and Health Services.

He is the current President of The Telemedicine Society of India. A Board Member of International Society for Telemedicine & e-Health. A Certified Project Management Professional (PMP) of the PMI, Pennsylvania, USA. Life Fellow of IETE (Institution Of Electronics & Telecom Engineers),Member of TRAC Committee. A member of the ITU APT Foundation of India and its Vice President. A Member of IEEE.A Member of PTCIF (Pacific Telecommunications Council India Foundation) and its current Vice President

He is a motivational speaker. His specialization is in leveraging technology for mitigating challenges faced by underprivileged people of developing nations. Has been a Visiting faculty on Business of Telecom Management in Narsee Monjee Institute of Management Studies (NMIMS), and Advanced Mobile Communications, Satellite and Optical Fiber Communication in University of Mumbai, Pune University and Advanced Level Telecom Training Centre (ALTTC).

**HEMANT DADLANI**

VP, Head Regulatory Affairs & CSR, ATC

A senior management professional and Business Leader with 26 years+ experience who leverages expertise in Strategy, Sales, Channel Management, Marketing, Operations, Customer Service and Financial Planning for organizational turnaround and profitable growth.

A natural leader with the ability to manage large teams of diverse individuals and unleash their potential, ability to use limitless energy, missionary zeal and visionary skills along with passion for structure, focus and timeliness to inspire and drive individuals to achieve highest levels of professional and personal success. Has an impressive record and history of demonstrated results in telecommunications and other industries / worked across India and has in-depth geographical knowledge of locations across India especially in telecom.

Expertise in launch of Greenfield Projects and a turnaround expert. Skilled in Business Planning, Operations Management, Customer Life-cycle Management, Customer Relationship Management and Go-to-market Strategy. A visionary, motivational, lead by example, missionary change agent and advocate of empowerment and accountability who uses his combination of Push, Pull and Permissive leadership to inspire and drive individuals to achieve highest levels of professional and personal success.

**SUSHIL KUMAR**

DDG , IoT, TEC - IOT for SSSC:

Mr. Sushil Kumar is an officer of the 1987 batch of Indian Telecommunication services (ITS) and joined Department of Telecommunications in 1989. He graduated in Electronics and Communications Engineering in 1987 and Master in Computer Science & Technology in 1988 from University of Roorkee (presently known as Indian Institute of Technology Roorkee). He is currently posted as Dy. Director General in Telecommunication Engineering Center, and heading the Internet of Things, division. Prior to this, he has served in various parts of the country, as a head of business units and districts for around 22 years in BSNL. He designed and provisioned the telecom networks for various e-Governance projects and corporates and also for CWG cycling event and F1 racing car event, while working in BSNL Noida. In his current role, he created framework for finalizing specifications in M2M (Machine to Machine) Communication / IoT (Internet of Things) with multi stakeholder's participation and released eleven technical reports in the last 2-3 years. Recommendations from these reports are being used to develop the eco system in IoT domain. He chairs National Working Group (NWG) -20 in TEC, formed to coordinate with ITU-T Study Group (SG) -20 on IoT and its applications in Smart Cities and Communities. He had lead Indian delegations in SG-20 meetings. IoT use case document having five use cases submitted from TEC has been agreed in ITU-T SG-20 meeting, China, Dec 2018. He was the member in the groups formed to prepare National digital communication policy and HLF-5G documents. He is also the member in various groups related to IoT / Smart infrastructure in BIS, TSDSI and in Niti Aayog for finalizing technology for Intelligent Transport System. He has also delivered talk in more than 75 National / International conferences on IoT, 5G, Smart cities, Digital transformations and related topics.



J T RAO

Founder & Chairman WinAMR - Smart City technologies:

A strong believer and practitioner in disruptive technologies, J T Rao started one of the earliest Incubator, I-One Tech Labs in 2005 in India whose current product portfolio includes AI, Analytics, IoT solutions to Energy, Automobile, Health Care, Smart City and Oil & Gas sectors.

J T Rao was one of the foremost in India to foresee the implementation of IoT and automation in the Energy Distribution business in the early 2000's. His exhaustive and extensive study to understand the critical issues of utilities took him to numerous energy utilities across the globe. With those insights, he founded winAMR, one of the first Indian smart metering companies.

With a vision to solve most of the problems of the global utilities, winAMR was ready with the next generation smart metering solution when the AMI was still in infancy in India and most of the world. With sheer perseverance and commitment, J T Rao, as an entrepreneur has gone through many vicissitudes and weathered all storms to make winAMR a recognized name in the global Smart Metering Industry.

J T Rao has a Masters in Commerce from Osmania University. He was one of the 6 shortlisted entrepreneurs chosen from SME sector for an entrepreneur internship program in the US by NIESET (Govt. of India Institute) and has a certificate course in Technology Entrepreneurship Startup Boards from Stanford University.

He also runs JTR Foundation, a not-for-profit organization which provides educational needs for the economically backward students.



RAGHAV CHAUDHARI

Head - Business Development, Motorola solutions

Raghav Chaudhari is Head of Business Development with Motorola Solutions. In this capacity, he is responsible for managing technical sales and business development for mission critical communication and command control solutions in India and South Asia.

With a sound blend of technical and commercial acumen, he brings with him more than 15 years of rich experience in creating bespoke customer value propositions.

Raghav Chaudhari is an engineer in Electronics and Telecommunications from University of Mumbai and has done his MBA from Lancaster School of Management, UK.



V SRINIVASA RAO

Chairman, Smart Cities Working Group, IET, CMD BT & BT

V Srinivasa Rao (VSR) is passionate & energetic senior business executive, has extensive experience in designing and managing global scale technology businesses. He is a recognized role model for demonstrating excellent results in both business & society.

ACHIEVEMENTS AS VOLUNTEER LEADER

- Chief Architect of International Institute of Digital Technologies (IIDT), Government of Andhra Pradesh
Created concept note on Digital Andhra Pradesh
- Advocacy Programs on Digital India
- Introduced Student Leadership Competency Building (SLCB) & International Student Leadership Day (ISLD)
- Conducted Orientation sessions to near 2000+ students on Leadership
- Got the honor of meeting with former president of India, Dr A P J Abdul Kalam at Rashtrapati Bhavan and got suggestions from him on SLCB
- Authored the book Ignite the minds to build a new India
- PMI, USA Global Award for Community Contribution



ALOK VARSHNEY

Consulting Partner, Ampusolar

Mr Alok Varshney is the Managing Director at **Acetel Technologies Pvt Ltd**, an acclaimed and a fast emerging company in the field of ICT and Engineering in India.

He is responsible for developing and implementing Enterprise business development and business sustainability policies and strategies. As the MD he is also responsible to develop and deliver on the company's strategic plan in the most effective and efficient manner. He is dedicated to strengthening the position of Acetel Technologies as a pioneer in its field of offerings as well as accountable for the overall performance of the company and for the day-to-day running and management of the company's business, under delegated authority from the Board.

Mr Alok Varshney co founded Acetel Technologies along with two of his colleagues in 2007. Since then, he has assumed the key responsibility as the chief architect of the company's team and values. He also led Acetel Technologies for delivery of Green telecom assets and processes for the telecom service providers in private and public sector while winning the distinguished award of "**Emerging Green Telecom Services**" Company for the year 2011 by the Industry body CMAI.



ABOUT ITU-APT FOUNDATION OF INDIA

www.itu-apt.org

ITU-APT Foundation of India (IAFI) is a non-profit, non-political registered society, non partisan Industry foundation registered as a society under the Societies Registration Act, 1960.

IAFI is working for last 15 years with the prime objective of encouraging involvement of professionals, corporate, public/private sector industries, R&D organizations, academic institutions, and such other agencies engaged in development of Indian Telecom sector in the activities of the International Telecommunication Union (ITU) and the Asia Pacific Telecommunity (APT).

The Foundation has been recognized as a international/regional Telecommunications organization by the International Telecommunications Union (ITU). IAFI is also having close working relations with similar organizations in many other countries including, Japan, Indonesia and USA.

ITU-APT Foundation of India (ITU-APT) is sector Member of the ITU Development Bureau (ITU-D) and ITU Telecommunication Standardization Bureau (ITU-T) which manifests its usefulness of the Indian Telecom industry The Foundation members are entitled to participate in the activities of ITU-D and ITU-T

Our members include many stalwarts of the telecom sector including many previous secretaries, members, advisors and DDGs of the DOT and Telecom Commission. We also have many corporate members from India and other countries including operators, vendors.

The foundation has been responding to various government consultations in the past.

For any further information or clarifications regarding ITU APT Foundation of India , please contact Ms. Aarush , General Manager of the Foundation at +91 999 979 7700/ +91 997-134-9028 or info@itu-apt.org