

# The IET IoT panel



## ANNUAL REPORT 2018

This Annual Report of 2018 covers all that happened in 2018 in the world of the IET IoT Panel. It gives glimpses of the work done by our volunteers, the knowledge outputs we produced and key highlights of the panel's involvement in the 3<sup>rd</sup> edition of IoT India Congress



## INDEX

Global advisory body.....	03
IET IoT India Panel members.....	03
Chairman's message .....	04
Country Head's message .....	04
IET IoT Panel's journey .....	05
IET IoT Panel representation at events .....	06
Interactions of Dr Rishi Bhatnagar.....	10
Union budget 2018.....	11
Members in spotlight.....	12
Working group highlights.....	14
IoT India Congress.....	30
IET India .....	33
IET India IoT Panel .....	33
Upcoming events calendar.....	35

# GLOBAL ADVISORY BODY

The Global Advisory body advises the panel on strategic directions as well as ways to stay relevant in a global IoT scenario.

**1. Dr Richard Soley**  
Exec Director,  
Industrial Internet Consortium



**2. Prof Jeremy Watson**  
MD, Capital,  
Science & Policy, Willis



**3. Sir Robin Saxby**  
Founder & Ex CEO,  
ARM Holdings



**4. Jim Morrish**  
Head of Strategy and  
Partnership,  
Nokia WING



**5. T V Ramachandran**  
HonFIET President,  
Broadband India Forum



**6. Dr Gopichand Katragadda**  
Ex CTO,  
Tata Sons



## IET IoT INDIA PANEL MEMBERS

### Chairperson



**Dr. Rishi Bhatnagar**  
President,  
Aeris Communications

### Core Panel

- **Ravi Pagar**, Group COO and MD, DTDS Technology
- **Shekhar Sanyal**, Country Head and Director, IET India
- **Ravi Ramaswamy**, Senior Director and Head, Health Systems, Philips Innovation Campus
- **Vijay Kumar**, Ex-Senior VP, TechMahindra
- **Dinesh Chand Sharma**, Director, Standards Public Policy, EU Project SESEI
- **Digvijay Choudhari**, CEO and MD, Sobus Insight Forum
- **Monika Gupta**, Telecom Consultant (Former CIO B2B, Bharti Airtel)
- **VSR**, Chairman and Managing Director, Chief Digital Consultant-BT & BT
- **Prof Pradeep Srivastava**, IIT, (BHU) Varanasi
- **Arvind Tiwary**, Chair, IoT Forum, TiE
- **Amit Saha**, Data Analytics, Startup Investor and Mentor, Syngenta
- **Om Perakash Khanduja**, Business Head, CEO, DSC
- **Prakash Kumar Chandraker**, Country Business Unit Head, MV & Systems, Siemens
- **Lux Rao**, Director and Leader, Digital Transformation Solutions, Dimension Data



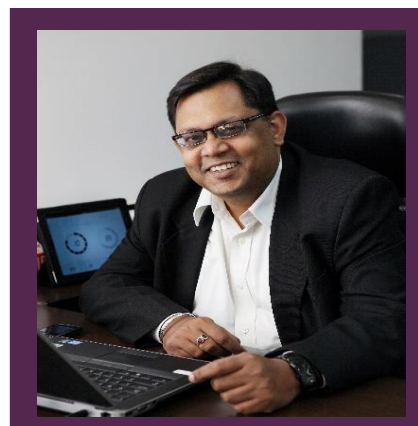
## CHAIRMAN'S MESSAGE



"Our panel will cross a significant milestone in 2019 February as we turn 4. In these 4 years, we have had significant traction with academia, industry and government and our overall footprint on the ecosystem has improved. We are now 12 working groups strong and have a representation of the ecosystem in most of our working groups. In addition to producing whitepapers and being present at key events, our working group members have also started connecting better with the start-up ecosystem and begun active mentoring initiatives. All of this goes on to prove that we continue to be a powerful and relevant force shaping the evolving IoT movement in India. To me, 2019 is the year of bigger ambitions and going after them. I look forward to your continued support in scaling our work and creating used cases of our impact on the ecosystem."

**Dr Rishi Bhatnagar**  
**Chairman IET India IoT Panel**  
**President, Aeris Communications, India**

## COUNTRY HEAD'S MESSAGE



"The IET IoT Panel, in 4 years has grown from 20 to 100 volunteers from 12 different horizontals and verticals within IoT. It is indeed commendable that our knowledge outputs gain significant traction in the ecosystem and that we are continuing our engagement with the government and other professional societies to stay relevant to in the IoT dialogue. The Panel's contribution to IoT India Congress and its 3 successful editions definitely deserves applause. It is a testimonial to what a team of highly motivated volunteers could do, to grow the ecosystem. I wish all of you the very best for a successful year ahead."



**Shekhar Sanyal**  
**Country Head and Director**  
**IET India**

# IET IoT PANEL'S JOURNEY

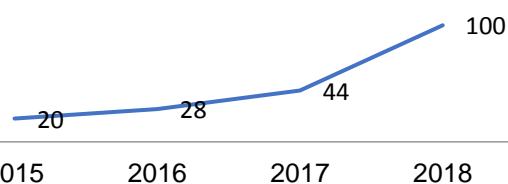
The following graphs present the growth of the IoT India Congress Panel's growth from 2016 to 2018 on parameters such as number of working groups, member population, etc

## Number of working groups



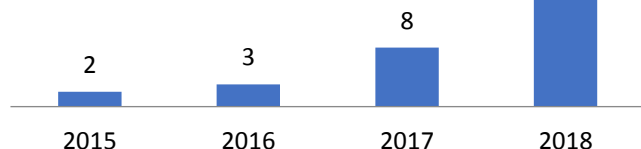
33% increase in the number of working groups as compared to 2017

## Total number of panel members



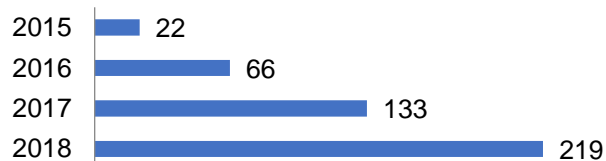
127% increase in the number of panel members as compared to 2017

## Number of whitepaper, position paper and recommendations produced



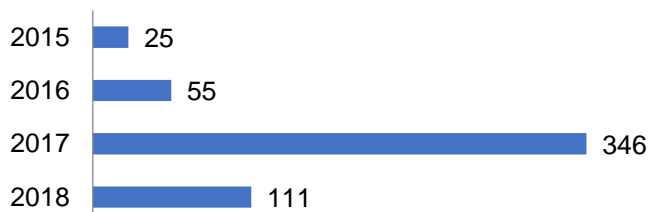
163% increase in the number of whitepapers, position papers and recommendations produced since 2017

## Number of organizations engaged



65% increase in the number of organizations engaged as compared to 2017

## Number of whitepaper downloads



# IET IoT Panel representation at events

## ELECRAMA 2018

The IET IoT Panel provided 2 international speakers to the intelligent electricity discussion at Elecrama 2018. Duncan Botting, Managing Director, Global Smart Transformation Ltd and Jim Morrish, Head of Strategy and Partnerships, Nokia WING were the speakers. In addition to this, Dr Rishi Bhatnagar, Sri TV Ramachandran HonFIET and Shrikant Shitole, Country Head, FireEye spoke at the event



Duncan Botting at Elecrama 2018 discussing on the regulation and legislation of energy sector



Shrikant Shitole discussing challenges of future of electricity at Elecrama



Active Q&A at IoT, electricity and AI track: Rishi Bhatnagar and Jim Morrish



TV Ramachandran, Honorary Fellow of IET at Elecrama

## Innovant Project Launch

The IET IoT panel supported the launch of Project IMPACT, a mobility solution designed for rural India



Project IMPACT launch

## IoT India Congress curtain raiser 2018



IET IoT Curtain raiser in 2018 in the presence of Shri N Sivasailam, Special Secretary, DoT



Members of the Telecom working group presented recommendations to be included in the National Digital communications policy to Shri Sivasailam

## Exhibitions India

IET IoT panel was a supporting partner at the 2<sup>nd</sup> IoT India Expo and provided 12 expert speakers for the various tracks.



Panel discussion at the 2<sup>nd</sup> IoT expo



Dr Rishi Bhatnagar at 2<sup>nd</sup> IoT India Expo

## Interaction with Government Ministries

Members of the IET IoT panel met key ministers and secretaries of the GOI to apprise them of the panel's initiatives including the IoT India Congress. The members interacted with Shri Ravi Shankar Prasad (Minister for Electronics and Information Technology), Shri Suresh Prabhu Minister for Commerce and Industry, Shri CR Choudhary (Minister of State Commerce & Industry And Consumer Affairs, Food & Public Distribution), Shri Amitabh Kant (CEO, Niti Aayog), Shri Ajay Sawhney (Secretary - Ministry of Electronics & Information Technology), Smt Preeti Sudan (Secretary, Ministry of Health & Family Welfare), Smt AnuPriya Patel (Ministry of Health and Family Welfare), Smt Aruna Sundarajan (Telecom Secretary and Chairman of the Telecom Commission) and Shri RS Sharma (Chairman of Telecom Regulatory Authority of India)



IoT Panel Chair, Dr Rishi and Advisory Member T V Ramachandran with Ravi Shankar Prasad, Minister for Electronics and Information Technology



IET core committee members with Suresh Prabhu, Minister for Commerce and Industry



IET core committee members with Ram Sewak Sharma, Chairman of Telecom Regulatory Authority of India



IET India representatives with Amitabh Kant, CEO of NITI Aayog



Dr Rishi with CR Choudhary, Minister of State Commerce & Industry And Consumer Affairs

## Interaction with Industry

The members of the IoT panel also interacted with more than 100 senior industry leaders such as Shri N R Narayan Murthy, IT industrialist and Co-founder of Infosys and Vijay Karia. Chairman and MD, Ravin Group to apprise them of the panel's initiatives including the IoT India Congress



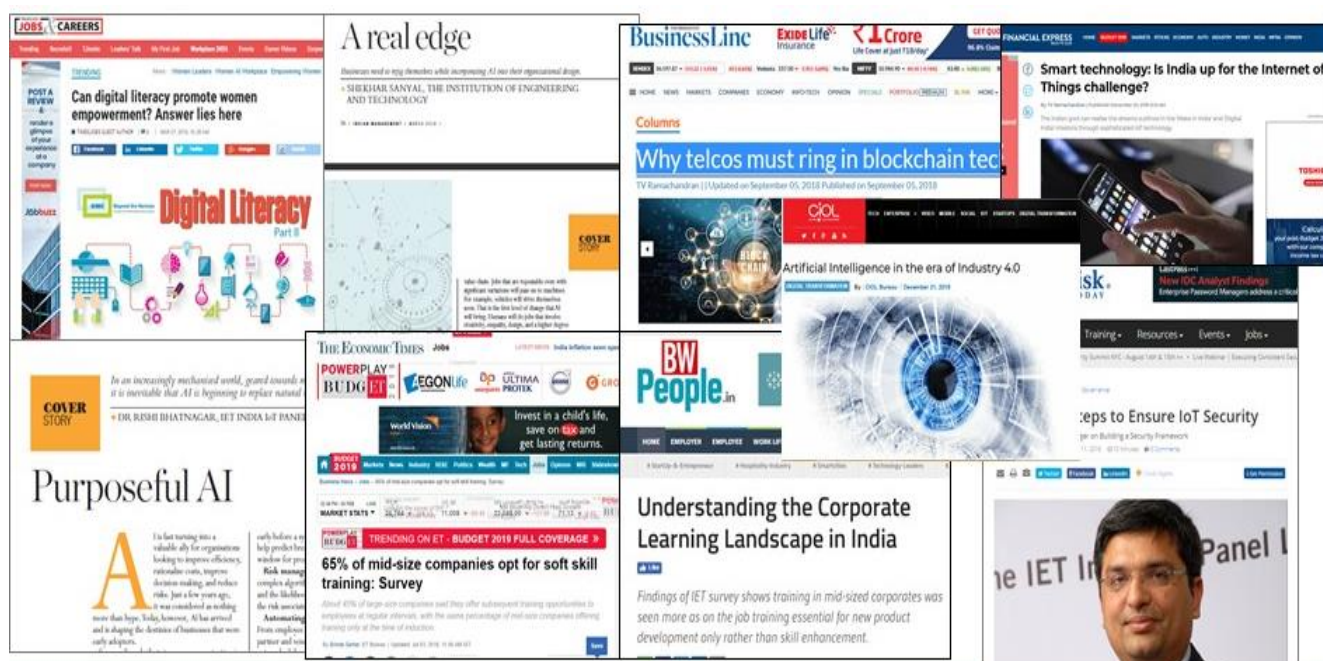
IET India representatives with Shri N R Narayan Murthy, Co-founder of Infosys



Interaction with Vijay Karia, Chairman and MD, Ravin Group

## IoT panel members in media

The IET IoT panel was mentioned over a 100 times in leading media in 2018, few clips of which are depicted below:



# Interactions of Dr Rishi Bhatnagar

Dr Rishi Bhatnagar, Chairperson IET IoT Panel represented the panel at 23 industry and academic platforms during 2018. Some of which are:



Moderator at IoT Asia 2018



Dr Rishi at IIM Lucknow for the Leadership Talk Series



Panellist at CII IoT Summit 2018 discussing how Industrial IoT will enable the future factories, impacts of consumer IoT, IoT Ecosystem and Cyber risks in the age of IoT



Dr Rishi at India-Africa-ASEAN: Internet of Things (IoT) in Agriculture

## Interaction with Local Networks (LN)

To better tie-up the areas of focus led by 8 local networks of the IET in India with that of the panel's focus, Dr Rishi Bhatnagar spoke and ideated with the chairs of our local networks. Additionally, Dr Rishi also interacted with the LN in Delhi



Dr Rishi Bhatnagar during the Industry Institution Summit conducted by IET Chennai LN as a keynote speaker on the topic "Internet of Things Revolutionising India"

## Interaction with global volunteers

To utilise the IET's global connects to further the panel's objectives, Dr Rishi Bhatnagar also discussed ideas and actions with the following global volunteer leaders of the IET:

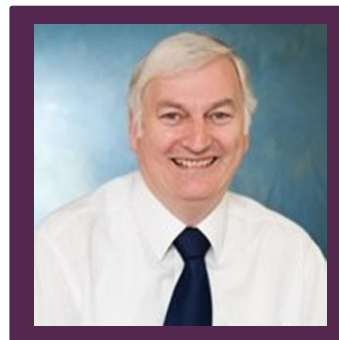


Prof Jeremy Watson

MD, Capital, Science & Policy,  
Willis

Prof Naomi Climer

Ex-President IET

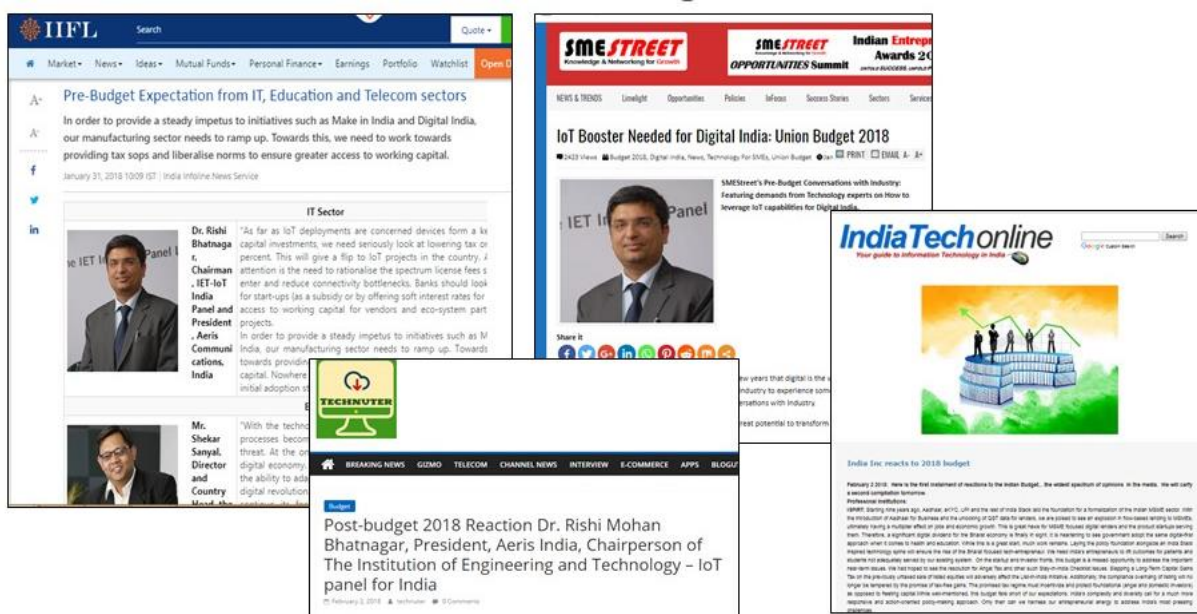


## Duncan Botting

MD, Global Smart Transformation  
Ltd.

## Union budget coverage 2018

IET IoT Panel members shared their views on the Union budget 2018, both pre-budget and post-budget opinions which were published in India Infoline, SME Street, Communication today, IT News Online, Technuter, etc.



# Members in spotlight

When you speak at leading platforms nationally and globally as members of the IET IoT Panel, you share our vision on a larger platform to the right set of stakeholders. Many of our panel members have represented us in ecosystem events – but these members deserve a special mention



## **Ravi Ramaswamy**

Represented the panel at 21 industry platforms and 9 academic institutions



## **VSR**

Represented the panel at 5 industry platforms



## **Juergen Hase**

Represented the panel at 4 industry platforms



# WORKING GROUPS

## HIGHLIGHTS 2018



# HEALTHCARE



Ravi Ramaswamy

Sr Director and Head, Health Systems, Philips Innovation Campus

## Advisory members:

- Dr Ranjan Shetty, Consultant Cardiology, Manipal Hospital
- Dileep Mangsuli, CTO, Wipro GE Healthcare
- Neeraj Jain, Country Director India, PATH
- Dr Uday Patil, Lead Consultant & Group Head of Radiology, Aster D M Healthcare
- Ratan Chaudhary, Business Head, Paisabazaar.com
- Dr Rajakumar Deshpande, Consultant, Neurosurgery, Fortis Hospital

## Members:

- Dr Sudhakar Varanasi, Healthcare Consultant
- Ajit Ashok Shenvi, Director Marketing Solutions, Big data & Analytics, Philips Innovation Campus
- Geetha Manjunath, Co-founder and CEO, Niramai
- Pramod Varma, Chief Architect- Aadhaar, Architect- India Stack, CTO, EkStep
- Ashvanni Srivastava, Founder and Managing Partner, Synergie Group
- Ajay Seth, Sr Director and R&D, Lead for new initiatives and emerging business, Philips Innovation Campus
- Dr Vikram Venkateswaran, Director, Digital Risk Advisory, Deloitte
- Mohan Kumar Rajagopal, Country Head (India), Wearable Technologies

## KEY HIGHLIGHTS

### Structure of the Working Group

1

- 15 Active members

### IoT India Congress 2018

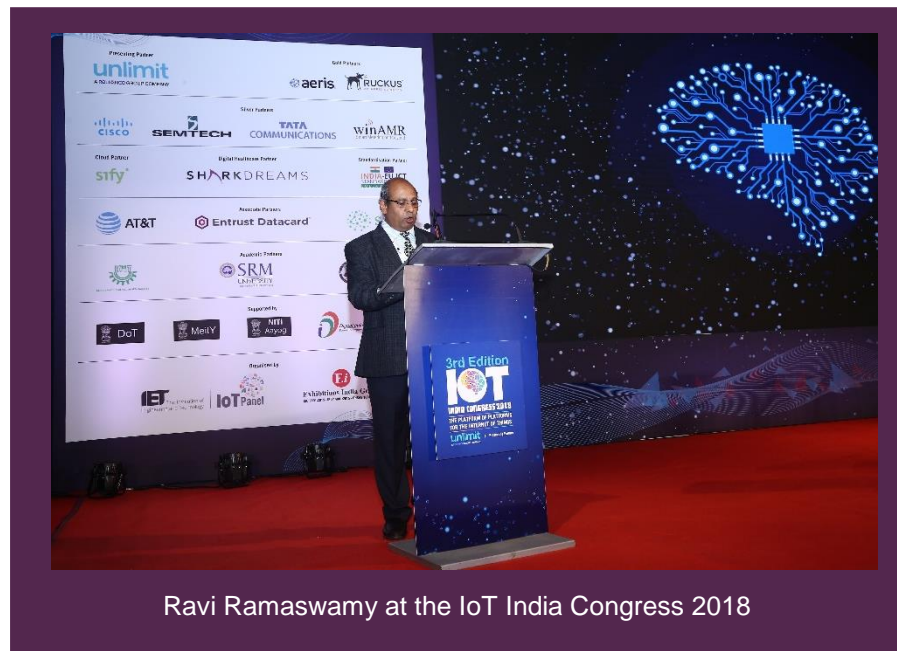
2

- Led the Healthcare Track: IoT as an enabler for healthcare – A practitioner's (health systems) perspective
- Led the Healthcare live experience zone
- Dr Sudhakar Varanasi was a speaker at # PoP91
- 5 speakers at the IoT Congress event: Dr Vikram Venkateswaran, Ashvanni Srivastava, Neeraj Jain, Dileep Mangsuli, Ravi Ramaswamy

# 3

## Industry Engagement

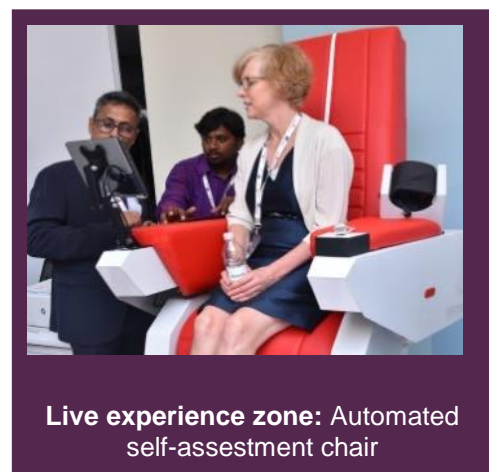
- Published 1 whitepaper: Preventive Health 4.0. The future model of care for a digital India
- Ravi Ramaswamy participated in 21 industry engagements including IoTSHOW, Smart Manufacturing Summit organised by Entraine, Geospatial World Forum, CII Quality summit, INDIA 5G Evolution Conference, etc and 9 academic engagements including Loyola Inst of Engg and Tech, Vellore institute of Technology, IIT Madras, Hindustan Institution of Tech Sciences



Ravi Ramaswamy at the IoT India Congress 2018



IoT Healthcare track at IoT India Congress 2018



Live experience zone: Automated self-assessment chair

# TELECOM

Chairperson- Working Group



Monika Gupta

Telecom consultant  
Former CIO B2B, Bharti Airtel

Members:

- Farhana Haque, Vice President and Business Head- IoT, Vodafone Idea Ltd
- Mohan Raju, Chief Marketing Officer, Danlaw
- Juergen Hase, CEO, Unlimit powered by Reliance
- VS Shridhar, Senior VP and Head- IoT Business Unit, Tata Communications
- Sunil David, Regional Director- IoT, AT & T India
- Dr Anuj Kumar Srivastava, Retd Indian Telecom Services Officer, Former Executive Director, MTNL

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 7 Active members

2

### IoT India Congress 2018

- Led the Track on Digital Communication
- Led the Telecom live experience zone with live demos of Smart Agriculture, Smart Manufacturing, Smart Cities, and Public Safety and Personal well-being solution
- 3 speakers at the IoT Congress event: Monika Gupta, Juergen Hase, V S Shridhar

3

### Government Engagement

- Digital Communications Report: In process to be presented to the ministry
- Position statement on Digital Communications Policy Draft of 2018

4

### Industry Engagement

- 4 industry engagement by Juergen Hase: Commercial vehicle forum, Insurance summit, Unlimit BSNL conference, Unlimit Engage partner grow
- Sunil David at a conference on 5G - For a Really Smart World in Delhi



Digital communication track at the IoT India Congress 2018



Live expo zone: Telecom



Juergen Hase: Industry engagements



Sunil David at a conference on 5G - for a Really Smart World in Delhi



Super Keynote: Mary Beth Asher



Super Keynote: Francois Sfroza

# STANDARDS, LEGAL AND REGULATORY

Chairperson- Working Group



Dinesh Chand Sharma

Director, Standards Public Policy,  
EU Project SESEI

Members:

- Shreyas Jayasimha, Founder, Aarna Law
- Sheahan Verghese, Founder & MD, TLA
- Pamela Kumar, Director General, TSDSI
- Reena Garg, Scientist F and Head (Electronics & IT Dept), BIS
- Srikanth Chandrasekaran, Director, Standards and Technology, IEEE- India
- Dr Lovneesh Chanana, Vice President, Digital Government (Asia pacific and Japan), SAP
- Gaurav Sareen, Country Director India & SAARC, Sigfox

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 8 Active members

2

### IoT India Congress 2018

- Led the Standards, Legal and Regulatory Track on the importance of standardisation in the IoT Domain

3

### Government Engagement

- Track recommendations in process to be presented to ministry

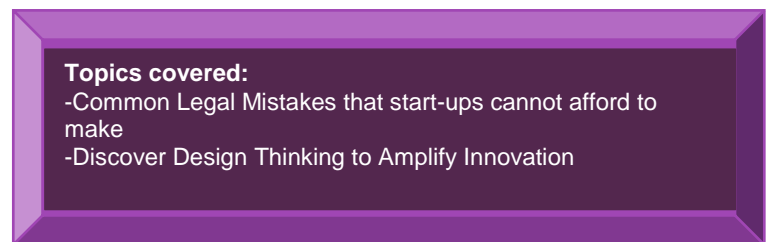
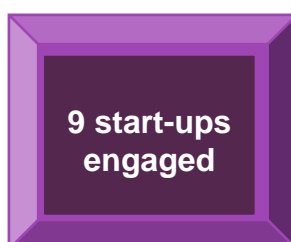
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### Industry Engagement

- Published 1 white paper: Standards, Legal and Privacy
- Conducted 2 session of Start-up Mentoring Thursdays
- 8 Industry engagements by Dinesh Sharma. He delivered a guest Lecture at the Delhi School of Business on importance, Role and need for standards and represented the panel at events

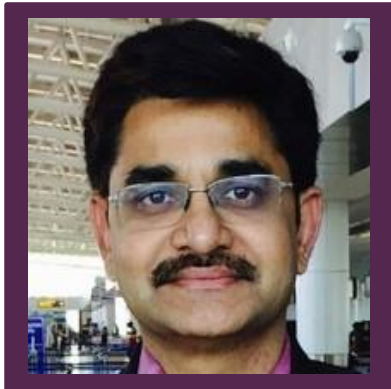


Start-up mentoring Thursday is an initiative where we bring together experts from the industry who discuss on an array of topics such as funding strategies, challenges, growth strategies, etc. to improve the success rates of these projects. IET Startup Thursdays programme was established in 2018 as a periodic series for startup enthusiasts.



# SMART CITIES

Chairperson- Working Group



VSR

Chairman and MD, Chief Digital  
Consultant- BT & BT

Members:

- Ranjeet Koul, Vice President and Country Manager APAC & ME, Aeris Communications
- Vinay Solanki, Head IoT (APAC & MENA), Lenovo
- Dhaval Doshi, Founder and Director, Smarthome NX
- Joy Rajan Cheruvathoor, Chief Marketing Officer, Larsen & Toubro Ltd
- Vivek Gupta, Partner, Angel Investor and Mentor, Mentoring Advisors LLP
- Rajesh Bhatia, Chief Technology Officer, Genpact

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 6 Active members

2

### IoT India Congress 2018

- Led the track on how Smart Cities can become economic, social and cultural growth centers in India
- 3 speakers at IoT India Congress: VSR, Dhaval Doshi, Vinay Solanki
- 1 Live experience zone organized by the members
- PoP91 - Dhaval Doshi was a speaker

3

### Government Engagement

- Track recommendations in process to be presented to ministry

4

### Industry Engagement

- Whitepaper on Smart Education: Making education Efficient, Affordable and Reachable for India
- Whitepaper on Smart Governance: Adopting global best practices to advocate changes in Indian Policy Framework for Smart cities implementations
- Release of Whitepaper on Smart Living India focusing on Consumer Insights & Industry Readiness
- 5 industry engagements by VSR: VSR was a panel member in discussion- Smart Cities: The Social, Economic, Cultural Growth centers and was the panel chair for Smart manufacturing track in the All India Management Association (AIMA) MSME conference



Smart cities track on how 'Smart Cities can become economic, social and cultural growth centers in India'



Smart city solution- Expo zone



Pranjal Sharma: Keynote speaker

# CYBER SECURITY

## Chairperson- Working Group



Arvind Tiwary

Chair, IoT Forum, TiE

## Members:

- Kishore Kar, Chief Business Officer, Cyber Security Integrators India Pvt Ltd
- Arnab Chattopadhyay, Associate Director, IBM
- Syam Madanapalli, Chair of IEEE P1931, Roof Computing working group
- Madhukar Khare, Founder, Wispero
- Santosh Kumar Jinugu, Director, Deloitte (India)
- Vinay K Bhagavatula, Security Architect - IoT, United Technologies Corp (UTC)
- Sumanth Naropanth, Founder and CEO, Deep Armor
- Suniel Kumar G, Founder and Director, Nexiot
- Shrikant Shitole, Senior Director and Country Head (India & SAARC), FireEye Inc.
- Balaji Rajendran, Principal Technical Officer, CDAC
- Manas Ingle, Legal Associate, NovoJuris Legal
- Madhav Chablani, Consulting CIO, TippingEdge Consulting and Chairman, Cloud Security Alliance

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 13 Active members

2

### IoT India Congress 2018

- 1 speaker at IoT India Congress: Arvind Tiwary

3

### Government Engagement

- 'Fresh Thinking to SAFENET for IoT'  
A Position paper (To be presented to government)

4

### Industry Engagement

- Arnab Chattopadhyay participated in the SACON conference

Arnab Chattopadhyay at the SACON conference



# MANUFACTURING

Chairperson- Working Group



Lux Rao

Director and Leader, Digital Transformation Soln, Dimension Data

Co-chair



Dr Purnendu Sinha

Technology Leader IoT and Analytics, Group Technology & Innovation Office, Tata Sons

Members:

- V Ranganathan Iyer, CIO, JBM Group
- Ashustosh Verma, Commissioned Officer, Corp Electronics and Mechanical Engineers, Indian Army

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 4 Active members

2

### IoT India Congress 2018

- Led the Manufacturing Track on Digitalisation of Manufacturing
- 2 speakers at IoT India Congress: Lux Rao and Dr Purnendu Sinha

3

### Government Engagement

- One track recommendation in process to be presented to the ministry



Manufacturing track on Digitalisation of manufacturing



Keynote- Suman Bose



IoT live zone- Smart manufacturing solutions

# GANGA REJUVENATION

Chairperson- Working Group



Prof Dr Pradeep Srivastava

Professor IIT, (BHU) Lucknow

Members:

- Vivek Mehrotra, Program Director, (APJ) Digital Transformation Office, Dell Technologies
- Rajesh Mathur, Advisor, Esri India
- Vivek Singh, President, Saraswati Seva Foundation

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 4 Active members

2

### Industry Engagement

- 1 whitepaper in pipeline on the Mighty Ganga Rejuvenation

3

### Academic Engagement

- Dr Pradeep gave an invited Talk at HBTU Kanpur on Ganga Rejuvenation, and on Pravasi Bhartiya Diwas at VNS on Ganga and Bioenergy. He also facilitated a B-tech project on Ganga River monitoring & management through IOT

# SKILL DEVELOPMENT

Chairperson- Working Group



Vijay Kumar

Ex-Senior VP, TechMahindra

Members:

- Shivoo Koteswar, Group Director, DG Digital implementation site leader and R&D Head, Synopsys
- Ashish Bedekar, Head, Media Tek Labs (India)
- Dr Lovi Raj Gupta, Executive Dean, Lovely Professional University
- Annirudha Kannal, Founder and CEO, xcelerator.ninja
- Pravin Ahuja, Delivery Head, NIIT Technologies
- Surekha Manchikalapati, Ex- VP, Program Head, TechMahindra

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 7 Active members

2

### IoT India Congress 2018

- Led the Skill Development Track on
  - o Experiences of conducting IoT programs along with the challenges of incorporating/developing skilled workforce – Perspective of Academia
- 2 speakers at IoT India Congress- Vijay Kumar, Aniruddha Kannal

3

### Industry Engagement

- White paper released on IoT Delivery - Vijay Kumar
- Whitepaper produced on Complexities in selling IoT by Shekhar Sanyal

# SOCIAL IMPACT

## Chairperson- Working Group



Digvijay Choudhari

CEO and MD, Sobus Insight Forum

## Members:

- Anoop R Nair, Technology Director, Innovation Lab, Softvision
- Dipti Agrawal, Consultant, Media and Communications
- Arpita Pal Agrawal, CEO, MCRIL
- Brij Kathuria, Senior Leader, TCS Analytics and Insights

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 5 Active members

2

### IoT India Congress 2018

- Involvement in Start-up awards: Anoop Nair was a pre-jury member

3

### Government and Industry Engagement

- Recommendations to the National Guidelines for Economic, Social and Environmental Responsibilities 2018
- Whitepaper released on IoT Generating jobs & serving the unserved by Vivek Singh

# UTILITY

## Chairperson- Working Group



Prakash Chandraker

Country BU Head, Distribution  
System and Future Grid Siemens Ltd

## Members:

- Kunjan Gandhi, Snr Product Manager, IoT SEDEMAC Mechatronics
- Nilesh Suryavanshi, Principal Solution Architect, IoT, Siemens
- Anil Kadam, GM, Schneider Electric
- Vikrant Sankhe, Vertical Market Leader - Oil and Gas, Siemens
- Thilak Ramanna, Territory Sales Director, (India and ANZ), The Qt Company
- Nilay Mehrotra, CEO, Founder NRS Chariot Tech Pvt Ltd

## KEY HIGHLIGHTS

1

### Structure of the Working Group

- 7 Active members

2

### Industry Engagement

- Published 1 white paper: Smart Energy Management with Internet of Things
- 3 industry engagements by Vikram Sankha which included delivery of presentation on 'End-to-End IoT & Applications' at Mukesh Patel College of Engineering, Mumbai for their Faculties / Professors by Vikrant Sankhe



Vikram Sankhe delivering the Key Note address on 'Cyber Security in IoT Applications' at K. J. Somaiya Institute of Engineering and Information Technology, Mumbai



management trends.

Excitement about invention and technology is omnipresent. Digitalization has made us believe in realities which were distant some years ago. Case in point, IoT. Imagine what life would be like when everything is connected. Where there is a surge in machine-to-machine communication making life simpler and to an extent more virtual, when everything from a streetlamp to a seaport becomes 'smart' in the true sense of the word, how every aspect of our lives and business will change? And what would make that possible? Internet of Things! The internet has made it possible for seamless collaborations across countries. IoT devices enhance the efficiency and effectiveness of communication and collaboration even more, as information and data is shared automatically between team members regardless of their location. In fact, it was one of the biggest predicted project

'Internet of Things – Managing Projects' article by Vikrant Sankhe was published in the CIO Review Magazine

## IoT India Congress 2018

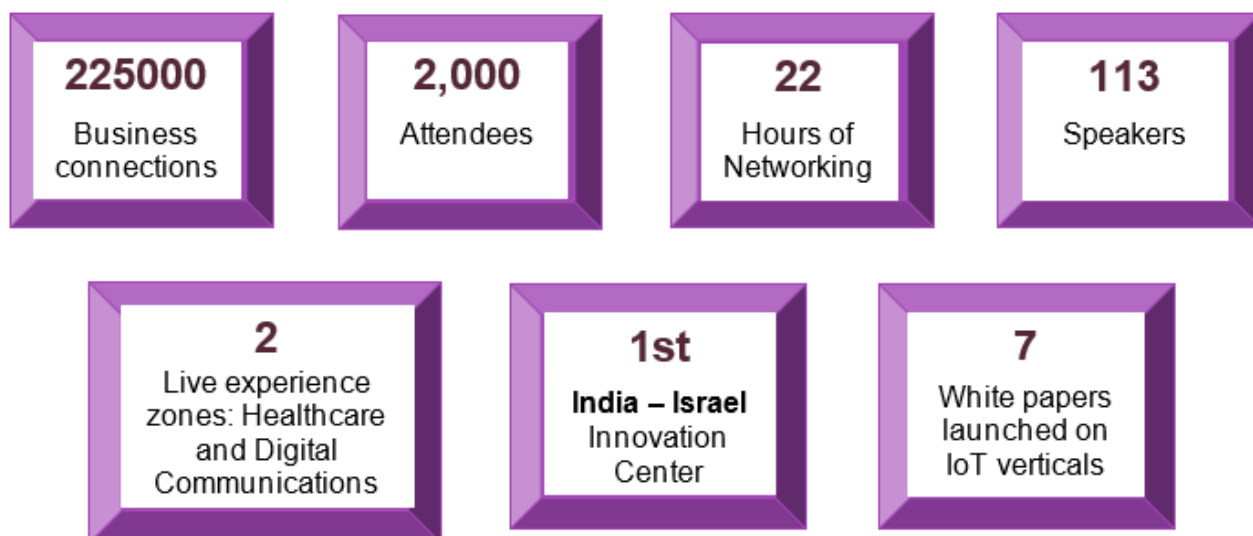
We organised the 3<sup>rd</sup> edition of our flagship event - IoT India Congress, in Bengaluru on 09-10<sup>th</sup> October 2018. The inaugural ceremony of this edition was completely digital, as it should be. We began with a message from Honourable Prime Minister, Shri Narendra Modi.

Conveying best wishes to both delegates and organisers, he wrote “I hope that IoT India Congress 2018 will provide a common forum for deeper engagement between all



stakeholders in this domain and will be an effective occasion to build a strong ecosystem for building a new momentum and synergy in the domain and for convergence of ideas”. The event witnessed participation from 2000 delegates, 20 supporting associations and 113 speakers, making it India’s largest platform for the Internet of Things. We received support from 8 Departments and Ministries of the Govt. of India. Our conference tracks included Healthcare, Digital Communications, and Standards for the IoT Domain, Manufacturing, Smart Cities and Media & Edutainment. 7 white papers were launched at the event, highlighting the latest developments in various IoT verticals; the very first Indo-Israel Innovation Centre was launched to give a boost to entrepreneurs in the technology sector.

### KEY HIGHLIGHTS OF EDITION 3



## GLIMPSES



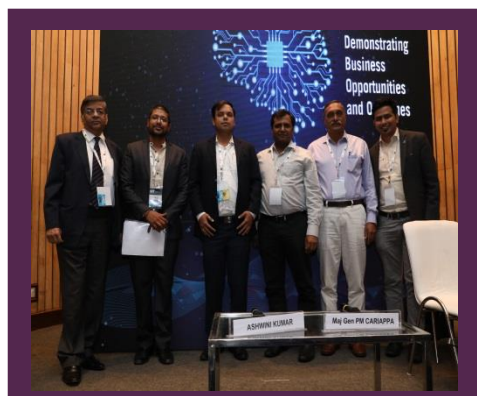
**Expo Zone**



**Whitepaper release** on Smart Energy management with IoT



**Launch of India-Israel Innovation center**



**Workshop:** Overview of IoT Technologies

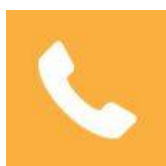


Actor and Entrepreneur **Kunal Kapoor** with winners

## TRACKS



**Healthcare**  
Re-imagining affordable and accessible Healthcare



**Digital communications**  
Indian Telecom Sector – A future



**Smart Cities**  
Future Cities enabled by the Internet of Things



**IoT Standards, Legal and Regulatory**  
Gaps and challenges in the IoT Standards



**Media and Edutainment**  
IoT disrupting media as we imagined it



**Manufacturing**  
Internet of Things– the backbone of smart manufacturing

### Horizontal Focus across all tracks



**Artificial Intelligence**



**Blockchain**



**Skills**



**Last mile / Rural**



**Cybersecurity**

## IoT CONGRESS 2018 IN MEDIA

**68 Media Clips**      **54 interactions held over 2 day**      **356,787,370 Impressions**

**Media Partners:** CNBC TV18, BIGscope, Inc, LinkedIn

**Covered by 2 E-Media Publications:** ET NOW, CNBC TV18


**21 spokespeople Interviewed**      **22 interactions with 2 E-Media publications**

**Highlights:**

- 32 Video interactions were held
- 31 Media Attendees from 23 Publications

**Media Attendees from 23 Publications:** CNBC TV18, ET NOW, THE HINDU, Business Standard, DECCAN HERALD, THE FINANCIAL EXPRESS, LinkedIn, EY, YOURSTORY, MACHINIST, Analytics India, EFGROUP, THE HINDU, BIGscope, DigiAnalysys, BixSpectrum, LND, SOCIAL NEWS DESK, AIR ERA, eSolutions, For you, DYNAMIC

## What's in store at IoT India Congress 2019

- Super Keynote addresses, featuring global influencers share experience on a futuristic aspect / impact of the Internet of Things
  - Super Implementation segment featuring global IoT implementations of a large scale
  - Conference tracks on Manufacturing, Smart Cities, Telecom, Healthcare, Standards & Regulatory, Utilities, Agriculture, Retail, Cybersecurity and Skills and Development. Each track would include a case presentation and experiences of real-life implementations
  - A celebratory evening dedicated to celebrating both start-up success and failures
  - A hackathon on sector specific challenges
  - Future Tech Spotlight featuring leading R&D speakers giving a glimpse of the future in 5 to 10 years
- 





The IET is one of the world's largest engineering institutions with over 168,000 members in 150 countries. It is also the most multidisciplinary – to reflect the increasingly diverse nature of engineering in the 21st century.

The IET is working to engineer a better world by inspiring, informing and influencing our members, engineers and technicians. The **Institution of Engineering and Technology – India**, the IET office started operations in India in 2006, in Bangalore. Today, we have over 12,000 members and have the largest membership base for the IET outside of the UK. Given the increasing global importance of India as an engineering hub our aim is to make an impact that has relevance both locally and internationally. Our strategy is to make a meaningful impact on the overall competency and skill levels within the Indian engineering community and play an influencing role with the industry in relation to technology innovation and solving problems of public importance. We want to do this through working in partnership with industry, academia and government, focusing on the application of practical skills within both learning & career lifecycles, driving innovation and thought leadership through high impact sectors. Our volunteer led panels are means through which we deliver our strategy. The IET India IoT Panel was born out of this focus.

IET India launched its IoT panel on February 20, 2015 with Dr Rishi Bhatnagar (President – Aeris Communication) as the Chairperson. The panel, being a first of its kind in India, focuses not only on technology but the application aspect of IoT in various segments.

The focus of the panel is to facilitate discussions that will help in making the inevitable connected world more efficient, smart, innovative and safe. It will lay emphasis on technology, security and regulatory concerns and the need for nurturing capabilities and talent for quicker adoption of IoT in all spheres.

The IET India IoT Panel aims at providing a platform for stakeholders to become an authoritative, but neutral voice for the evolving movement of IoT in India. It aims to enable all the IoT practitioners (including people from the hardware – devices, portables, sensors, software, business) and IoT enablers (including people from regulatory area, training area, investors in IoT, end users) to work together on relevant areas to make this industry efficient as well as robust. The panel envisions laying a solid foundation by supporting policy makers, industry in the next step of adoption of IoT.

The panel works through 12 Working Groups - Healthcare, Social Impact, Digital Communications, Smart Cities, Skill Development, Standards, Regulatory and Legal, Cyber Security, Utilities, Manufacturing, Ganga Rejuvenation, BFSI and Agriculture.

If you are interested in volunteering for the IET or joining one of our panels, please write to us at [india@theiet.in](mailto:india@theiet.in)

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<https://www.linkedin.com/company/ietindia/>

## NOTES

## UPCOMING EVENTS 2019



**IoT India  
Congress 2019**  
4th Edition  
August 22-23  
Bengaluru, India



**Engineering the  
Future of Work**  
October 22  
Mumbai, India



**Future of  
Transport and  
Mobility**  
December 5-6  
New Delhi, India