

**NASSCOM**<sup>®</sup>

# Center of Excellence-IoT & AI

A MeitY Initiative with Govt. of Karnataka, Haryana, Gujarat & AP



REPORT FOR

# GURUGRAM

APRIL - JUNE '20



Ministry of Electronics  
& Information Technology  
Government of India



## Accelerating Enterprise Hybrid Cloud Journey with OpenShift Platform

**27th April, 2020:** The ability to stay cloud vendor agnostic is indispensable for any company. Most enterprises today are building products/applications based on cloud native architectures that's distributed for webscale and agility.

NASSCOM CoE & IBM organised a Webinar on **Accelerating Enterprise Hybrid Cloud Journey with OpenShift Platform**.

OpenShift is an open-source cloud native pre-integrated enterprise grade container management platform based on Kubernetes container orchestrator for development and deployment of Enterprise scale applications on cloud-native architectures. This container management platform when offered as a managed service to the companies allows them to easily manage and maintain a hardened and scalable version of the container management platform and helps the companies to:

- Save operational and monetary costs, which could be best channelled towards building the core business
- Avoid cloud vendor lock-ins, making the application workloads future ready and portable across any on-premise or public clouds
- Faster roll-out of cloud native products

### Attendee Profile:

There were over 60 attendees from Enterprises like: UST Global, TCS, Nagarro, RBS, Publicis Sapient, Landisgyr, S&P Global, Dell, Altran, J K Technosoft, TATA Communications, Globallogic, Wipro;

Startups/Tech SMEs like: KBN KnockIoT Solutions, Awiros, Adio Brand Solutions, Lithion Power, Nable IT, Logicus, BoticxLabs, Avenaire, Kritikal Solutions, Marjan Machinery India, Blinkin Technologies, Inventum technology, VKS Technologies, Neewee, AshXplorer, DeepSight Ai Labs, Innokreat Technologies, Logicon, Siddhan Intelligence, Cogniticx, BKC WeatherSys, iNoble, Rightful Labs, Rhein India Technologies, invoid and Academia like Uiet, Kurukshetra University, SNS College of Engineering.

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**IBM**

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**Accelerating Enterprise Hybrid Cloud Journey with OpenShift Platform**

- Enterprise Motivations for Hybrid Cloud
- Hybrid Cloud Architecture
- Hybrid Cloud Platform Overview - OpenShift
  - Developer Productivity • CI/CD • Container Security • Observability
- Key Value Proposition
- Discussion/Q&A

**27th April 2020**  
**11:00am - 1:00pm**

## Cybersecurity in the Digital World

**30th April, 2020:** As per the NASSCOM KPMG report, 51% CEOs say that becoming a victim of a cyber attack is a case of 'when', not 'if'. The report also indicates that manufacturing was the most heavily targeted industry for cyber-attacks in the past year.

NASSCOM CoE & ACMA co-organized a webinar on "Cyber Security in the Digital world."

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### Cyber Security in the Digital World

Webinar focused on Security in the Post COVID world

**AGENDA:-**

- **INTRODUCTION TO SECURITY**
  - > Information Security Basics
  - > Cyber Security Concepts
- **CYBER ATTACKS**
  - > Hackers Mindset
  - > Recent Attacks
  - > Cyber Attacks on Manufacturing companies
- **CYBER SECURITY WHILE DIGITALIZATION**
  - > Work from Home threats
  - > ICS and IoT threats

**Q&A SESSION**

**SPEAKER:**  
**VISHAL SHAH**  
Founder, Talakunchi

**30th April 2020**  
3:00pm onwards

**REGISTER NOW**

### Session Brief

The session saw over 150 participants from manufacturing, government departments and academia communities. The session was focused on the cyber security challenges when working from home – both from the perspective of corporates and the employees. There was very active participation from those present, with Q&A lasting over 45 minutes.

## Enhancing Productivity using the tools of G-Suite

**7th May, 2020:** The COVID situation has forced the enterprises to enable Work from Home (WFH) in their organisations, which has created a need for the adoption of collaborative tools. These tools need to be user friendly, secure & interoperable.

NASSCOM CoE & ACMA co-organized a webinar on "Enhancing Productivity using the tools of G-Suite."

### Session Brief

The session had around 120 attendees from Auto Component Manufacturing SMEs. The session was focused on a deep dive into G-suite and other tools that help in increasing productivity, trust and collaboration in the work force. The session was followed by Live Demo of the tools and elaborate Q&A session.

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### WORKING REMOTELY: G SUITE AS AN OPTION

**SPEAKERS**

- Divya Poswal - Google Cloud India
- Sanchit Dikshit - Inflex Technologies Pvt Ltd
- Amit Dugana - Inflex Technologies Pvt Ltd

**7th May 2020**  
10:30am onwards

**REGISTER NOW**

## Voice of Manufacturing Second Edition

**22nd May, 2020:** NASSCOM CoE IndDIC, Second Edition “Voice of Manufacturing” discusses protocols for manufacturing, dodging supply chain bottlenecks and emerging technologies enabling revival.

Industrial leaders shared dilemmas on COVID-19 pain-points: reviving business & operations and business continuity. IndDIC highlighted key challenges from industry adoption on ‘Convergence of solutions for New Normal’; ‘Addressing disruption of Global Value Chain’ and ‘Scaling solutions in New Normal’

The revival challenges pertained to developing in-house manufacturing as mentioned below:

- Selection of market basis demand, economic crisis
- Reduced workforce & production capacity, safeguarding social distancing and employee safety
- Planning sales and supply chain uncertainties
- Inventory management and resuming efficient production with Zero-defect/Quality monitoring
- Building BS-VI compliance capabilities
- Ability and readiness of companies to adopt Industry 4.0 technologies

**New Normal Road-map** - ‘New Normal’ includes workplace health compliance, decoupling & reconnecting supply chain, domestic manufacturing for reduced dependency on imports and building strategic resilience. Ensuring efficient work from home by adopting remote diagnostic collaborative tools based on IIOT & AI.

**Towards Industry 4.0** – Adoption of digital solutions for rebooting, since disruption of ecosystem fosters innovation. Key enablers include MSMEs role in domestic manufacturing & exports, agile supply chain & process visibility. Increased demand of telecom and e-commerce due to pandemic has piloted Automation, Connectivity Intelligence, Robotic Process Automation (RPA) and Internet of Things (IoT).

**COVID Impact Across Manufacturing Value Chain** – COVID-19 disrupted global supply chains impacting logistics, workforce availability and capacity utilization. Unpredictable delays and variations in lead time, demand & supply capacity mismatch and inadequate fulfillment

capacity to meet demand are indicated. Convergence of technologies like IoT, AI/ML, 3D Printing, Zero-defect & effect, multi-skilled lean workforce model, real time fleet-tracking, are pivotal.

**Dilemma and solutions for revival** – The 4M’s of manufacturing – Material, Machine, Manpower and Methods help infer digital solutions to address pitfalls. Digital Twins, AR/VR, shift from legacy to integrated digitized infrastructure addresses problems of quality, scalability, contactless workforce management. Use cases discussed – Paragon footwear implementing IoT to improve supply chain efficiency; Tracking solution for India’s largest railways network provider; JK Tyre integrating IoT and analytics to understand complex manufacturing process.

The webinar helped understand methods to customize solutions to match defined problems of organizations. Dynamic decisions to rapidly changing circumstances and specific challenges of the industry are essential.

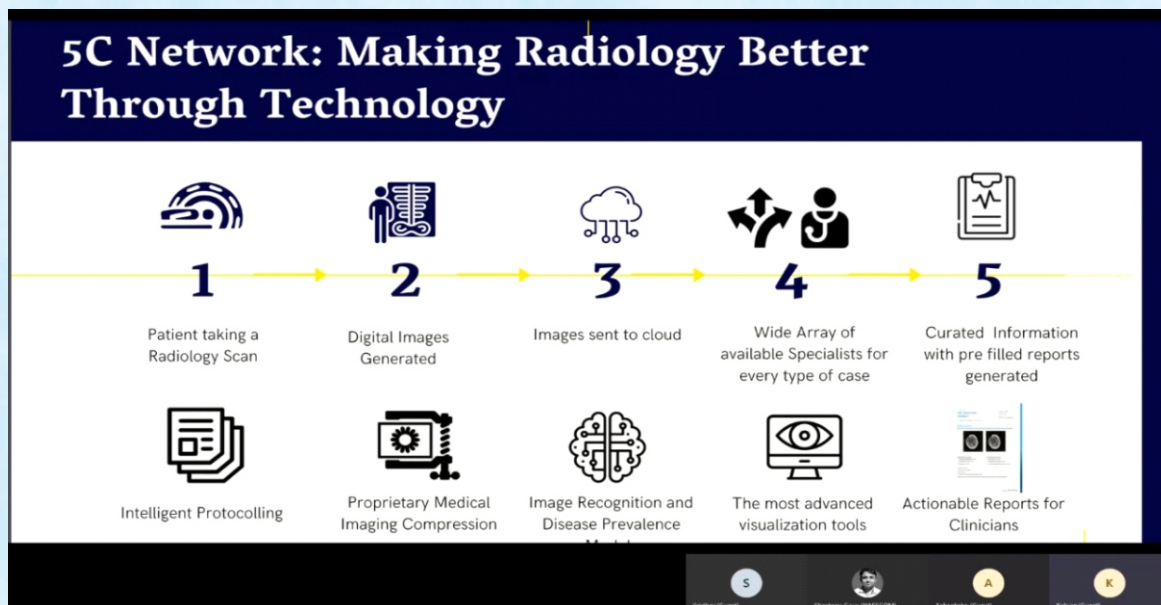
## Investor Hours with Venture Highway

**30th June, 2020:** The Covid-19 pandemic has emphasised the Healthcare sector and investments in the HealthTech space is the need of the hour. NASSCOM CoE - IoT & AI & Venture Highway had organised a series called **Investor Hours with Venture Highway**.

The investor pitching session focussed on early stage investments in HealthTech, Healthcare IT & MedTech focussed startups. Investors that were present during the session are:

- Sridhar Karanth
- Aakanksha Sharma

Predible and 5C Network were short listed for first pitching session. The next session of the series is on 20th July 2020.



## Torchit deploys Sanitisation Chambers to prevent the spread

A primary reason that the Coronavirus is spreading so rapidly is its ability to transmit from one person to another through surface & body contact which has caused the second and third infection to spread so vigorously. It becomes extremely critical for a decision maker for any premises to understand that their facilities need to be sanitized and also the person entering the premises should also be sanitized at the entry & exit instances in order to reduce the amount of infection which can be carried by an employee, a patient or any other person walking into the premises.



**Co-founders:** Mohit Chelani & Hunny Bhagchandani

**Success:** TorchIt has developed a “Sanitization Chamber” which is deployed by hospitals, departmental stores, apartment buildings or any other facility in order to sanitize the entrants of the premises and contain the spread of corona in their premises. It ensures each and every person walking through the tunnel is completely sanitized thereby reducing the risk and spread of infection for that person and all other people in that premises. 1 liter of spraying mist can disinfect around 6 - 7 persons; So, per person disinfection cost is less than Re 0.20 (< 20 paise). The disinfectant used is 0.05% wt sodium hypochlorite solution (500ppm) recommended by CSIR-National Chemical Laboratory (CSIR-NCL), Pune and Institute of Chemical Technology (ICT), Mumbai.

### Testimonial

We have been associated with NASSCOM for over an year now and we have benefited greatly with regards to the government projects that we are seeking to engage with, especially the Government of Haryana, and be a part of the events to connect with the stakeholders in the industry & the government.

- Mohit Chelani

### Quick Facts:

The sanitization chamber is deployed at the Government of Gujarat, BSE, Indian Railways, Amdavad Civil Hospital, Amul, Coal India etc.

## UVGI based sanitization device to prevent surface transmission

According to WHO, COVID-19 is a droplet infection. These droplets can land on objects and surfaces around the person and the people can become infected by touching these objects or surfaces, then touching their eyes, nose or mouth. In view of the current coronavirus pandemic, the team has developed an object sanitization device called ViroSafe.



**Co-founders:** Abhinav Saksena & Gaurav Kansal

**Success:** ViroSafe, which is a UVGI (Ultraviolet Germicidal Irradiation) based device, that uses UV-C at 254nm to sterilise grocery items, food items, or any object in order to stop the transmission through surfaces. UV-C destroys a microorganism's nucleus or DNA causing cell death or making replication (cell division) impossible and also degrades simple organic material at the molecular level. Since UV-C is harmful to all organic matter including human beings, even brief exposure can result in skin irritation and/or eye irritation that could lead to serious consequences after prolonged exposure. Therefore, meticulously designed safety interlocks are used to provide the utmost in safety precautions.



28L Gamma



50L ViroSafe

### Testimonial

NASSCOM CoE-IoT has supported us in building the technology we have built - ViroSafe and Viro8 have been developed amid the Covid-19 pandemic. Lab support at the CoE-IoT helped us to calibrate our devices for exact dosages. Our team is in constant touch with NASSCOM CoE-IoT Gurugram and is particularly focusing on pitching to various organizations like Airport Authority of India, AIIMS, Government Offices, etc.

- Abhinav Saksena

### Quick Facts:

Their solutions are deployed with the Ministry of Home Affairs, JK Group, TCIL

## STRATEGIC PARTNERS



## INNOVATION PARTNERS



FOR FURTHER INFORMATION CONTACT :

Email: [co-innovate@nasscom.in](mailto:co-innovate@nasscom.in) | Website: [www.coe-iot.com](http://www.coe-iot.com)