REPORT FOR
GURUGRAM
OCT - DEC'20

Ministry of Electronics & Information Technology
Government of India

hartron

STARTUP HARYANA
FIRST STEP OF SUCCESS

OCF INDIA Virtual Summit 2020

10th Oct 2020 As IoT devices proliferate, the need for standardization becomes critical. A large number of players are developing their own solutions without following any standard. While it creates problems around security, it also ends up trapping the user with one solution provider.

To promote the standardization in IoT devices, NASSCOM CoE-IoT & AI in association with other members of OCF India organized a webinar focused on the solution developer and user community, to promote the OCF standardization. There was strong exchange of ideas about how OCF can benefit the users and solution developers and how easy it is to adopt the standard in solution. *The key speakers at the session were:*

1. **Dr. Aloknath De**, *CTO, Samsung India*

2. **Professor Uday Desai**, *Ex Directory IIT Hyderabad, Strategic Consultant TSDSI*

3. **Professor (Dr.) Tanya Singh**, *Director, Amity University*

4. **Mr. Vinosh James**, *Associate Director, Qualcomm*

5. **Mr. Rajaraman V**, *Director IoT, Granite River Labs*

6. **Mr. Shiva Kumar M**, *Co Founder, Xtrans Solutions*

Voice of Manufacturing Edition 6
Digital Transformation in Manufacturing Value Chain

24ᵗʰ Nov 2020 NASSCOM CoE-IoT & AI organized 'Voice of Manufacturing Edition 6 – Digital Transformation in Manufacturing Value Chain' to bring out the larger economic perspective of the manufacturing industry linked with Digital India Mission. The manufacturing leaders talked about digital maturity, viability, and ability to adopt digital offerings across their value chain bringing tangible impacts or return on investment (RoI). Deepak Bagla, MD & CEO, Invest India Org, delivered a keynote address on 'Taking a leap into next normal in Industry & Innovation'.

"We are at an inflexion point in history as we are growing and experiencing an unprecedented change in history. The pace and scale of the changes have been stupendous. Manufacturing is a subset of everything around it. When the lockdown was announced we didn't have PPE suits and we were looking at other countries, but by July we were exporting PPEs and ventilators. The most profound impact of digitization has been on governance," said Bagla.

Talking about movement from Industry 3.0 to Industry 4.0, Dr Ajai Garg, Senior Director, MeitY, said "The digitalization is riding other sectors now whether agritech or automobile. The pre-COVID era was when manufacturing was based out of geography which created economic triangle for the world, in the post-COVID era it is changing from such monopoly regime to a concept of trusted global supply chain partners. Data security and other security aspects have become a priority.

Minimizing Operational Expenses through Energy Management Leveraging IoT & AI

28ᵗʰ Nov 2020 NASSCOM CoE-IoT & AI; Power8 a noteworthy startup based upon IoT & AI platform and primarily focused towards optimising utility bills for commercial buildings and industrial complexes, presented a use case study of its product targeted towards keeping people safe from the Corona Virus.

During the presentation, Abhinav Saksena, founder, Power 8, introduced Viro-Safe and Viro8 products that are developed by the company to counter the ongoing pandemic. Speaking about the development, Abhinav Saksena said that his team has used UVGI technology, which can kill SARS COVID-19. He stated "We have Viro-Safe, which sterilises grocery items, food items, or any object in order to stop the transmission through surfaces which can be homes, FMCG, or offices. Along with it, we have built Viro8, which sanitises centrally air-conditioned buildings with AHU, HVAC's like offices and hospitals, in order to stop the transmission through the air". Their innovative products contain UV-C lights and control panels which is a solution for improving indoor air quality and is also beneficial for power saving. The air quality gets improved by 70%-80% and along with it the amount of energy consumption gets reduced by approx 10%-15% for the entire building.

Acknowledging & appreciating the efforts of Power8 towards fighting the global pandemic, Sh. Dhammapal Chawhan, MD, Hartron said, "Tackling the global pandemic which has affected lives all over the globe requires contribution from everyone in the society. We at Hartron are all for supporting & grooming start-ups who can offer a rapid response to counter the pandemic through innovative technological solutions. The world is going through challenging times, and solutions such as Power8's Viro-Safe & Viro8 can make a difference by offering necessary tools albeit solutions to face the situation."
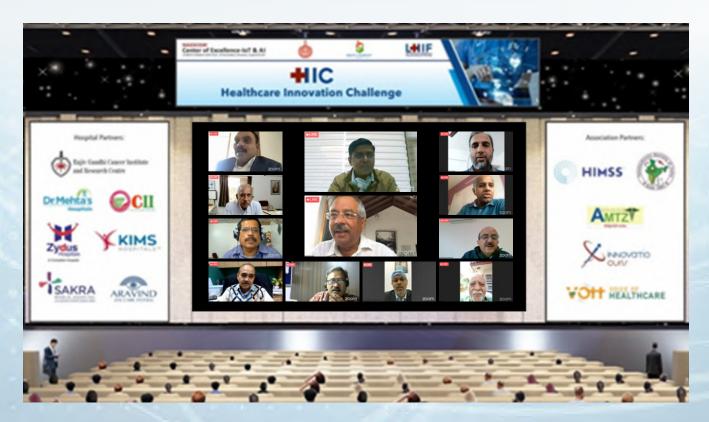
Healthcare Innovation Challenge Launched

18ᵗʰ Dec 2020   NASSCOM CoE for IoT/AI launched the Healthcare Innovation Challenge (HIC) for the Healthcare sector, which is under immense stress due to increased costs, reduced utilisation, regulatory restrictions and reduced patient footfall to the Hospitals due to the COVID19 pandemic.

Dhammapal Chawhan, MD, HARTRON, said: "We want to focus on by supporting start-ups in their infrastructure needs not just by giving them space but by providing them low-cost Graphic Processing Units (GPUs) also in the data centres."

He added: "Most of the start-ups we are supporting are IT, IoT and Fintech start-ups and they need these GPUs as they spend a lot of money to develop and train their solutions. We are working hard for creating this proposal of providing low-cost GPUs, high-end storage, and provision of other testing facilities; these kinds of support will help them comeup with innovation faster and reduce their time to market."

Mentioning that COVID-19 has also turned out to be an opportunity for the healthcare, Dr. Saket Kumar, IAS, Special Secretary Industry & Commerce, Government of Haryana, said, "Before COVID-19 we realized the importance of technology in healthcare as we have Ayushman Bharat initiative which helped three lakh families in Haryana as it is the biggest public delivery system; it is entirely done through online system. Everything was done through various software and technology intervention."

Talking about Haryana Government's support to startup network, Dr Kumar said, "We are going to start incubation centres in other cities also apart from Gurugram. The start-ups should identify the need, and then make a product that is user-friendly and cost effective."

IoT For Smart Workplace

19ᵗʰ Dec 2020 The onset of COVID-19 has presented new challenges for the workforce & the workplaces. These challenges can be mitigated by the adoption of Emerging Technologies based solutions. Some of these solutions include camera-based contactless attendance solutions, voice-enabled smart assistants to enhance efficiency and smart sensors that allow complete control and visibility of assets.

Napino Electronics & NASSCOM CoE – IoT & AI co-organised a Virtual Event on "IoT Innovations in Smart Workplace & Workforce management". This event witnessed Corporates, PSUs & Technology Innovators discussing on how to make workplace smarter, efficient and safer while helping employees improve their productivity.

Key speakers that participated in the event were:

Mr Ekam Preet Singh, *DGM- IT, NTPC*

Mr BalaChitoor, *Chief Strategy Officer, Flamenco Tech*

Mr Nikesh Sakaria, *Managing Director, CDP India*

Ms Lakhi S Chowdhary, *Business Head, CDP India*

Mr Lalith K Seetharaman, *Director of Engineering at PathPartner Tech*

Qritive receive CE mark for its digital pathology solution and win
India Sweden Healthcare Innovation Challenge

As more laboratories are working to streamline their operations and tackle increased workloads during COVID-19 pandemic, they have turned to the adoption of digital pathology. One of the key challenges in digital pathology adoption is to ensure seamless integration between various scanners and IT systems.

Qritive, led by Dr Aneesh Sathe & Dr Rajasa Jialdasani, has a hardware-agnostic digital pathology platform, called Pantheon with AI plugins that enables digitization of the entire histopathology workflow and assists pathologists in image analysis for cancer diagnosis. Pantheon also facilitates remote consultation and telepathology. Pantheon supports the viewing of whole-slide images by all major slide scanners and provides clinical workflow options that can be customized according to a pathology laboratory's specific needs. By integrating with laboratory information systems (LIS), the entire case information is made available to pathologists on a single unified platform. Qritive has received the CE mark for its digital pathology solution, Pantheon V2.0. The CE marking is an indicator of the product's robust quality assurance processes and will accelerate the adoption of the AI based solution by pathology labs worldwide.

India-Sweden Healthcare Innovation Centre in partnership with Ministry of Health & Family Welfare, Government of India, ICMR, AstraZeneca & NASSCOM is envisioned to develop an ecosystem of open innovation that start-ups and the healthcare delivery stakeholders can use to collaborate and address current and future challenges in the healthcare sector in India.

The India Sweden Healthcare Innovation Challenge was launched by India-Sweden Healthcare Innovation Centre in August to support the startups and innovators looking to solve healthcare issues related to accessibility, affordability, and quality. Qritive is one of the 14 global winners of India Sweden Healthcare Innovation Challenge.

QRITIVE

Qritive's Pantheon™ Receives
CE Mark (CE-IVD)

Helyxon deploys COVID-19 Vital monitoring devices

Helyxon, led by Vijai Shankar Raja & Sridhar Ranganathan, has developed & deployed COVID-19 vital monitoring devices in collaboration with HTIC, IIT Madras. The devices monitor four critical parameters including temperature, oxygen saturation, respiratory rate and heart rate.

Fever Watch is a compact continuous & remote temperature monitoring system. The device is placed under the armpit and immobilized using sticking tape with a patch. This natural adhesive patch is extremely thin, non allergic, soft, breathable, non-toxic, anti-bacterial, non-residual and mild. The temperature monitor has got CE Certification and is Child safe (meets EN 71 standard) so that the child cannot swallow it. It is made of medical-grade plastic. The device has a replaceable Battery (CR 2016 Button cell) which is easily available. The product is water-resistant and can be wiped clean. It can be connected to Fever Watch Android or iOS App via Bluetooth. The temperature data in represented in tabular as well as graphical form. One can set a temperature threshold and to get an alarm on the smartphone if the temperature is breached.

Oxy 2 is a device that allows real-time, continuous & remote monitoring of heart rate and oxygen saturation and can be used on thousands of patients at home or hospital, without requiring regular physical checking at a tenth of the cost. It has disposable probes. The stream of data is further pushed to a cloud computer server through GSM or Wifi. The data from the server can easily be accessed by authorised care providers across the globe using a mobile device or laptop.

These devices are particularly useful in monitoring Covid-19 patients since the data can be collected online and the doctors or the nurses need to attend the patients only when the equipment throws up any abnormal variation in the readings. The device also provides geo-fencing tracking alerts to the caretakers to keep a tab on the movement of the patients. Over 3500 devices are in the field which are being used to monitor the COVID-19 patients.

A Versatile Device
First time in the world

* Oxygen saturation
* Temperature
* Heart Rate

| Clinically validated Multi-Para Monitor | BLE: Wireless Connectivity | First Time in the World: Probes & Connectors for Monitoring Continuously | Free iOS / Android APP for the User | Free Web App for the remote Care Provider |

Apart from this, HELYXON has developed My+Health mobile application to connect doctors with patients remotely. Patients can reach out to doctors via chat, voice, or video call to consult them about their symptoms or clarify any doubts.

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