NASSCOM®
Center of Excellence-IoT & AI
A MeitY Initiative with Govt. of Karnataka

COE STARTUPS IMPRESS WITH CUTTING-EDGE SOLUTIONS.

- CoE Startups cross Rs. 100 crore in total funds raised
- Eight CoE startups raise funds through Elevate 2019

REPORT FOR
OCT - DEC'19
COE - IOT & AI

Shri. B S Yeddyurappa, Chief Minister & Shri C N Ashwath Narayan, Dy Chief Minister of Karnataka with CoE startups on 11th December 2019 in Bangalore

Ministry of Electronics & Information Technology
Government of India

K-tech

INNOVATE KARNATAKA

CoE Startups cross Rs. 100 crore in total funds raised

2019 ended on a high note for CoE Bangalore. 25+ incubated startups have raised funds to the tune of Rs.100 Cr. to date. Some of the big hitters include **NeeWee, ABEE Research Labs and Wolkus**.

Eight CoE Bangalore Startups Raise Funds through KTechs Flagship Elevate 2019

Elevate 2019, the initiative of the Karnataka Government's Department of Information Technology and Biotechnology, aims to provide boost startups through various stages of funding. EIGHT CoE startups received funding through Elevate 2019:

- SeeHow Pte Ltd
- Zen Aerologiks
- Dheeyantra Research
- Exactspace Technologies
- PlugO
- Areahop Labs
- Sensiwise Solutions
- Ibrum Technologies

Prashant Kumar Mishra, MD of KITS paid a visit to the CoE facility and conducted a meeting with the leadership to discuss the broader aspects of startups engaging with government bodies.

Tech For Social Good

The Multiple Social Impact Projects to Improve Standards of Healthcare, Agriculture & Rural Infrastructure

Nearly 20 CoE startups have kicked off social enterprise projects in various parts of India. Some of these projects include installation of portable ECGs, neonatal & fetal healthcare monitors, blood delivery using drones and water management systems among others.

CoE leads installation of medical device
in Minto Eye Hospital for a month-long pilot

3Nethra Classic, one of the devices by Forus Health, has been installed at Bangalore's Minto Eye Hospital – one of the city's biggest and oldest government-run specialty hospitals. The device installation was led by team LHIF of NASSCOM CoE and will be kept at the hospital for a period of 30 days. In this time, the hospital staff will be able to test the device on their patients, collect data through an AI-based algorithm and assess the advantages of using such a device.

NASSCOM CoE & AstraZeneca Lead Successful
Deployment of PoC Device in Ernakulam Clinic

Yostra Labs' proprietary point-of-care device Neuro Touch was recently deployed at an NCD clinic of Ernakulam General Hospital in Kerala. Neuro Touch is intended to detect peripheral neuropathy – a condition that is resulted when nerves carrying vital messages to & fro the brain & spinal cord are diseased or damaged. This device installation was carried out along with the support of AstraZeneca. To date, 200 patients have been screened for peripheral neuropathy, which reportedly affects nearly 60% of diabetics. Dr Fasila, the incharge of the

NCD clinic along with three key staff members have been trained by the Yostra team to use the device on patients. In addition, an onground support team in Kochi has also been instated to provide support and ensure the successful implementation of the programme.

UK delegation seeks expertise on application of AI in healthcare & rural healthcare development

Globally, lifestyle diseases & rural healthcare delivery dominate the agenda of healthcare companies, pharma majors and hospitals. NASSCOM CoE Bangalore and AstraZeneca conducted a high-level Healthcare Innovation Meeting with members of the British High Commission. The session was attended by Dr Kailash Chand, OBE Mayoral Health Envoy to India and First Asian Deputy Chair of the British Medical Association, Dr JS Bamrah, National BAPIO Chairman, Senior Consultant Psychiatrist and Honorary Reader at the University of Manchester, Ben Bridgewater, CEO of Health Innovation Manchester and Raj Jain, CEO of Northern Care Alliance NHS.

Policy Roundtable on Regulation of Medical Devices Under Drugs & Cosmetics Act 1940

Following the Ministry of Health and Family Welfare issuing a draft notification to notify all medical devices under the Drugs and Cosmetics Act, 1940, and seeking feedback from the stakeholders, NASSCOM CoE led an industry roundtable to discuss the issues involved and understand the industry's initial assessment. Per the draft, all medical devices, with or without software, will be notified under subsection (b) of Section 3 of the Act, and be brought under the definition of "Drug". This roundtable was especially significant considering the significance of this notification for the Medical Devices industry and the Digital Health Agenda for the country. The roundtable was attended by 26 delegates from GE Healthcare, Narayana Health, Siemens Healthineers, Cloudnine Group of Hospitals, MS Ramaiah Hospital, Aindra Systems, Cyclops Medtech & Oncostem Diagnostics among others.

NPC 2019: Exploring today's healthcare ecosystem & a glimpse of the National Digital Health Blueprint (NDHB)

At the 16th edition of the NASSCOM Product Conclave, NASSCOM CoE successfully conducted a track on healthtech. Prominent speakers included Dr. Sudarshan Ballal, Dr Aravind Kasargod, Sunil Raheja of Optum, Dileep Mangsuli of GE Healthcare and J Satyanarayana, former MeitY secretary and expert chair of National Digital Health Blueprint among others. A range of topics were discussed that included the NASSCOM Healthcare Initiative, The Acceleration of Technology in Healthcare, Micro & Macro Trends in Healthcare Today, Healthtech as a Frontrunner in Healthcare Delivery among others. In addition, there was an Industry Roundtable conducted with healthcare experts.

NPC 2019: IoT & devices in India – The opportunities & challenges in adoption and scalability

NASSCOM CoE conducted the IoT & Devices Summit at NPC 2019, where a variety of industry leaders & innovators discussed the proliferation of IoT today, while also closely surveying the loopholes in adoption & scalability. Leading speakers included Aloknath De, CTO, Samsung India, Jayashankar Pillai from IBM, Ram Satagopan from Lennox Engineering, Rajesh Banginwar from Intel, Ravi Kanningati of Target, Dattatri Salagame of Bosch among other deeptech investors, product developers and startups.

Product Startups Elevate India's Service Market at 5th Edition of GES

The 5th edition of the Global Exhibition on Services (GES) was held in Bangalore, from November 26th to 28th, by the Union Ministry of Commerce & Industry. It was a platform meant to elevate Indian services in the global arena, specifically in areas like aviation, infrastructure, telecom, financial management, content, design, outsourcing publishing & media distribution, IP management services and social impact assessment. Some startups from NASSCOM CoE participated in the three-day event like FluxGen Engineering Technologies, Inferencia Logic and Atoll Solutions. The startups got to present their solutions to delegates, which included IoT-based water management, AI-based security & connected solutions for businesses today.

CoE partners with Bosch to evangelise & drive adoption of IoT solutions across domains

Robert Bosch Engineering and Business Solutions (RBEI) has launched an Internet of Technology (IoT) garage in Bengaluru, in collaboration with NASSCOM CoE and other strategic industry partners. The lab will focus on building an ecosystem of tech demonstrators and bringing tech partners that are working on scalable solutions for smart connected products. The facility equips all the necessities required to build, develop, prototype, and test, and allow companies to leverage Bosch's expertise as a system integrator. NASSCOM CoE's strategic partnership with Bosch will be aimed at driving the understanding, evangelization and adoption of IoT and PoCs in different domains.

India & Sweden collaborate for outcome & result-based healthcare

India & Sweden are strategically collaborating to develop outcome and result-based healthcare models, to specifically target NCDs and cardio-metabolic conditions. For this, the India - Sweden Life Science & Healthcare Platform is working in conjunction with knowledge partner AstraZeneca's iDream Initiative, technology partner NASSCOM Center of Excellence and other policy makers.

JioVio & SenseGiz developing technology for women's safety

JioVio & SenseGiz Developing Technology for Women's Safety India is considered among the most dangerous countries in the world for women. Historically, crime rates against women have been very high, especially in rural and semi-urban areas where several cases either go unreported or under-reported. In light of ongoing incidents and crimes against women, startups like JioVio and SenseGiz are utilizing technology to help women in times of distress. JioVio, which makes devices meant to monitor maternal & fetal healthcare parameters, has now extended the utility of their wearables to detect possible distress calls from women in peril. JioVio is running pilots with a string of police stations in Tamilnadu, and has developed a backend software that tracks the movements of women, sending alerts directly to the nearest police station. SenseGiz, another incubate at NASSCOM CoE Bangalore, has developed a discreet personal safety device for women. The SAFR wristband is an emergency safety device that can detect if a person wearing it has taken a fall or endured a crash. Each SAFR has a unique ID, locked to the user. Even if there are several users in the overall premises, in case of emergency - each person can be individually identified with this unique ID. One Coin has to be placed in each room or at a distance of 50-60 ft and multiple devices together will form a mesh network. The server will send a push notification via SMS or email to the emergency contact.

Visitor Highlights

NASSCOM and BPI France lead an investor meeting.

Delegation of Japanese startups at NASSCOM that included Amegami, FutuRocket, Doreming and Polarstar.

Japanese delegation Nomura and CG lead a high level CxO delegation chaired by Senior Advisor of the Nomura Board along with Consul General of Japan.

The Deputy Mayor of The Hague Ms. Saskia Bruines visits NASSCOM along with Dutch business delegation.

IHK Delegation comprising of dignitaries from Dusseldorf, Frankfurt, Hamburg, Stuttgart and Freiburg visit NASSCOM CoE to witness innovation taking place in India.

TiE Singapore delegation signs Letter of Intent with NASSCOM CoE for mutual cooperation.

Germany GiZ hosted by NASSCOM.

Jyoti Arora, Secretary Finance, MeitY paid visit to CoE understanding the ground level impact of initiatives.

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