

NASSCOM®

Center of Excellence-IoT & AI

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

CONSOLIDATED REPORT | COE-IOT & AI

OCT - DEC
2019

- CoE startups cross Rs. 100 cr in total funds raised
- Gurugram incubatee Dronamaps executes volumetric assessments for Govt. of Haryana
- JK Lakshmi Cement Ltd & NASSCOM sign partnership to drive co-creation in factories



Ministry of Electronics
& Information Technology
Government of India



सत्यमेव जयते
Government of Gujarat





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

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

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.

JK Lakshmi Cement Ltd & NASSCOM CoE enter strategic partnership to foster co-creation in factories

NASSCOM Centre of Excellence (CoE) IoT & AI Gandhinagar entered into a partnership with JK Lakshmi Cement Ltd (JKLCL) to drive innovation through a unique Partnership Program, a collaborative lab that will transform their plants into smart factories. The MoU was signed by Naveen Kumar Sharma, Vice President, JK Lakshmi Cement Pvt Ltd & Amit Saluja, Center Head, NASSCOM CoE IoT & AI Gandhinagar. Under this partnership Program,



NASSCOM CoE will assist JK Lakshmi Cement Ltd. to build a technology roadmap through identification of areas for digitization, in addition to connecting them with the startup ecosystem and academia for developing solutions using advanced technologies like AI, IoT, Robotics, AR/VR.

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.



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

Neural Architecture Search for Computer Vision with IBM held

19th October 2019: Computer Vision tasks include acquiring the data, process, analyse and understand the digital images. The application of computer vision has a huge list including some of the below like, Facial Recognition, Handwriting recognition, Cancer detection, Reverse Image Search & Autonomous /Self-driving vehicles / ADAS. One crucial aspect for this progress is novel neural architectures, mostly been developed by human experts, which requires a tremendous amount of human effort.

For instance, for the task of classifying images with a deep learning model, a practitioner might need to check off a sizeable to-do list including figuring out a data augmentation policy, finding a suitable architecture for the model, finding the hyper-parameter settings for the training algorithm & addressing auxiliary practical objectives like model compression for deployment.

Automated Deep Learning is concerned with automating this process by finding suitable pre-processing techniques and architecture designs along with training routines and configurations required to obtain a well-performing deep learning model. In this session, the attendees understand the basics of Neural

Architecture, its automation approach and the consumption of the same through reverse Image Search.

NASSCOM CoE - IoT & AI & IBM organised a session on Neural Architecture Search for Computer Vision held at the Center.

There were over 70 attendees, focussed on streamlining model training & deployment to classify images and detect objects as well as efficient Data set management and auto labeling.

Attendees included advanced developers from Enterprises like Accenture, Nagarro, HCL, TCS, Sapient, Ernst & Young, KPMG, Genpact, ThoughtWorks, Globallogic, Petro IT Solution, Colt, Perch Group, Telus, Xavient Digital, Seneto Network Systems, Techlight Systems and Startups like Nebularc, KBN Knockiot, Attentive AI, DronaMaps, Algotfocus, Parkzap Labs, Vision Networkz, Cvision.ai, SpectralTech.AI, Spectross Digital Systems as well as students from University of Delhi, Indian Institute of Information Technology, KIIT College of Engg, PDM University, SRM University, Jaypee Institute of Information Technology, ABES Engineering College, Amity University and Galgotias University.



‘TechInHealth Day’ showcased innovative solutions in healthcare sector

7th December 2019: The objective of the event was to showcase the innovative solutions in healthcare domain to the relevant players and enable them to explore the various solutions to promote the adoption of digital technology in the healthcare sector.

Speaking during the occasion, Ankur Gupta, IAS, Principal Secretary, Department of Information Technology Electronics & Communication, (DITECH), Government of Haryana, informed that tech innovations in healthcare is the need of the hour and such innovations shouldn't be restricted to urban setup and must reach to rural areas of the country.

Sudhanshu Mittal, Head & Director -Technical Solutions, NASSCOM Centre of Excellence IoT & AI, Gurugram, said, “The healthcare challenges in India are huge and digital technology has a large role to play in addressing those challenges. While Center of Excellence – IoT & AI is committed to bringing innovative solutions to its platform, the user community also needs to rise to the challenge by opening up to the digital technology adoption and by providing inputs to the developer community so that we can have indigenous solutions to our problems.”

Some of the Innovative solutions that were showcased include:

- **Radical Health:** Retinal scan-based detection of diseases that are local to the eye as well as systemic
- **Gesture Research:** Augmented Reality based Gesture recognition solution for Neurosurgeons
- **Incredible Devices:** Catheter reprocessing system to bring down the cost of cardiac interventions
- **Medprime Technologies:** India's first smart-phone integrated portable microscope
- **Agva Healthcare:** World's cheapest Portable ventilator with Volume Pressure and Flow modes
- **Sattva Medtech:** Remote fetal health monitoring device for prenatal care
- **Healthcubed:** Point of care diagnostic device for Anaemia, Dengue, Typhoid, Malaria etc

Suneel Watal, Joint Chief Information Technology Officer, Hartron Multi Skill Development Center, expressed his views on the same by saying, “Healthcare segment in India is highly underserved and needs innovative solutions to meet the growing demand. NASSCOM CoE, Gurugram has been focusing on bringing out the diverse and innovative solutions in healthcare segment, promoting startups who have done wonders in this segment.”



Tech4SME held at CoE Gurugram

20th December 2019: Manufacturing SMEs have been looking forward to reaping the benefits of leveraging emerging technologies such as AI, IoT, 3D printing, AR/VR & Blockchain. With the support of MSME- DI, Karnal, Govt of India, NASSCOM Center of Excellence – IoT & AI, Gurugram & India Entrepreneurs Club co-organized Tech4SME on Friday, 20th December 2019. Tech4SME focussed on how manufacturing SMEs can leverage the Emerging technologies on various fronts including:

- Customer engagement
- Increasing productivity
- Reducing machinery downtime, Predictive maintenance & improving efficiency
- Energy savings
- Industrial safety
- Enhancing product quality
- Conforming to compliance

There was an interactive panel discussion on Challenges faced by manufacturing SMEs in Technology Adoption and Success Stories by manufacturing SMEs that have already adopted these Technology led solutions. It was followed by Product pitches by NASSCOM CoE curated solution providers.

Some of the eminent speakers included:

- Sunil Kumar
Assistant Director, MSME- DI, Karnal
- Sudhanshu Mittal
Head - NASSCOM CoE Gurugram & Director - Technical Solutions
- Vivek Saha
Director & Head
Digital Transformation & Industry 4.0
- I.S Yadav
Joint Director, District Industries Center Gurugram
- Deepak Ballani
Director General, All India Plastics Manufacturers' Association (AIPMA)
- Deepak Jain
Director General
Federation of Indian Industry (FII)
- S.N Zindal
Ex-Director General STPI, Ex-CMD ET&T
- Ashok Kohli
President, Chamber of Industries of Udyog Vihar (CoIN)
- Rajesh Deswal
President, Association of Indian Laboratories



Garv Toilets is addressing Public Sanitation through their IoT based Smart Toilets



Access to sanitation and safe drinking water was recognised as a basic human right by the United Nations in 2010. Almost a decade later, 730 million people in India lack access to a clean toilet. More than 60,000 children die of diarrhoea each year. Although the government's Swachh Bharat Abhiyan has ensured the availability of basic sanitation facilities in rural areas and metros, maintenance of public toilets still remains a major challenge.

Faridabad based, Garv Toilets led by Mayank Midha and his wife Megha Bhatnagar Midha, virtual incubatee at NASSCOM CoE - IoT, have developed a complete Public Sanitation solution to this problem in the form of IoT based Smart Toilets. These smart toilets have the below given benefits:

- **Vandalism Proof:** These portable toilet units are made up of stainless steel and each & every equipment is welded or fitted with hidden nuts and bolts making it secured against any rugged use and vandalism proof
- **Self-sustainable:** They are self-sustainable in terms of energy requirement (Solar Panels & battery packs), water requirement (overhead water tanks & borewells), waste decomposition (biodigester tanks) and maintenance (sensor based auto flush, floor cleaning technology)
- **Real-time monitoring:** RFID and IoT based sensors provide real-time updates on toilets usage and any malfunctioning. These updates are sent to a dashboard, which can be constantly monitored from a remote location.
- **User friendly:** These toilets ensure sufficient ventilation through exhaust fans and have sanitary pad incinerators as well apart from ramp access & handrails for the physically challenged

In 2017, Garv Toilets bagged a CSR project in Patna funded by Coca Cola and went on to install 100 units as part of multiple CSR activities. By now, they have installed over 800 smart toilets, reaching out to over 140,000 daily users. They have also won an order from the Uttar Pradesh government to install smart toilets as part of the Swachh Bharat Mission.

Garv Toilets has been awarded a project with the Delhi Metro Rail Corporation, where they will install Smart Sanitation Center at the Kashmere Gate Metro station in New Delhi, that will later be integrated with metro cards, enabling users to access these toilets. The project cost is around Rs 57 lakhs. NASSCOM CoE under its Tech4Impact initiative is facilitating the access to Technology & Funding for the development & deployment of this world-class sanitation infrastructure.

DronaMaps does volumetric assessments for Bakhrija Stone Mine, Narnaul, Mahendragarh for Department of Mines & Geology, Government of Haryana

Traditionally, volumetric analysis required workers to collect data manually by climbing on stockpiles with heavy and expensive equipment, which can be very risky. The workers have to make a tradeoff between collecting quality data and their own & equipment safety

The potential of drones for the mining industry is to improve efficiency and cost. DronaMaps incubated at NASSCOM CoE Gurugram, did the survey for Bakhrija Stone Mine, Tehsil Narnaul, District. Mahendragarh for Department of Mines & Geology, Government of Haryana.

Process:

Using a quadcopter and 2 DGPS the survey was conducted in two phases. After the end of the survey, the captured data was brought to DronaMaps Lab for processing and desired imagery (3D, 2D and DSM) was generated. The change detection was done by mapping the same area at an interval of 30 days.

Impact:

The stockpiles are spread over a large area and are of varying sizes & heights so surveying them with a UAV has numerous benefits:

Granularity: Since the drone driven imagery has better spatial resolution than the satellite driven imagery the user can identify the different features present in the area of interest like trucks, excavators, cranes, benches, weighing stations, checkpoints etc.

Time Saving: Getting ground measurements, segregating the data and making the CAD models takes minimum 30-35 weeks for the current area of interest. However, it took 3 days for ground deployment, 7 days for data processing and 13 days for geospatial analysis & application development, thereby completing the same work in 20 days.

Ease for Authority: The analysed data can be easily accessed in PDF format, Web Application and Dashboard. The Web application has features such as overlaying all the vector & raster layers, performing measurements, Swiping between two layers, zooming in and out, searching & exporting the data.

The dashboard presents key data that needs to be monitored for the area of interest. Two crucial characteristics of the dashboard are it's visualisation capabilities and the way all the datapoints, however disparate, are integrated onto a single screen. The dashboard has features such as indicators that represent volume, Pie Charts that represents the relation between volume and its corresponding area, line graph that represents elevation profile etc.

Revenue: The volume estimated using GIS and the volume excavated (at actual mine) were cross verified by the authority. This technique not only helps Mines and Geology Department, Government of Haryana to increase its revenue but also in monitoring if any mining contractors are violating the mining boundary sanctioned to them.



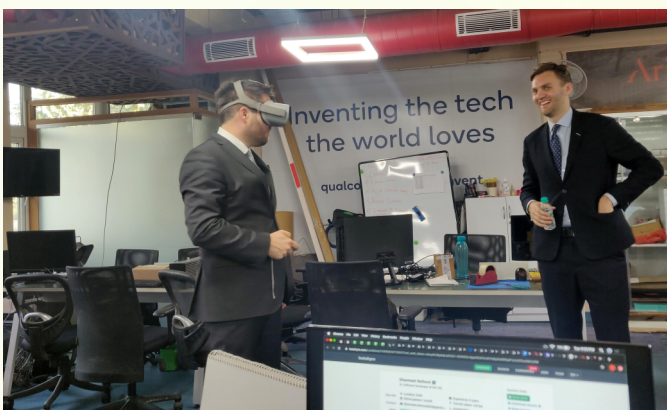
**Various Delegation Visits
to COE Gurugram**



Smt. Jyoti Arora, Secretary Finance, MeitY visited CoE Gurugram on 10th Oct'19



Shri Abhay Kumar and Shri Saurabh Kumar, PS to Union Minister Shri Ravi Shankar Prasad visited on 24th Oct'19



Delegation from Denmark paid a visit to CoE on 5th Nov'19



JK Lakshmi Cement Ltd & NASSCOM CoE enter partnership to foster co-creation in factories

NASSCOM CoE hosted a first of a kind Design Thinking Workshop for JK Lakshmi Cement Ltd. team at the Gandhinagar centre. The objective of the workshop was to encourage and build capabilities to develop a structured approach in identifying challenges faced by JK Lakshmi Cement Ltd., both at manufacturing units and services. This would help their R&D & engineering teams prioritize on focus areas, where technology can truly help solve their challenges. More than 32 senior professionals across departments from JK Lakshmi Cement's Gujarat and Rajasthan plants, including Vice President Naveen Kumar Sharma, Sanjeev Shroff, deputy general manager(Kalol Plant) &Deepak Sharma, IT Head (Kalol Plant) participated in the day-long workshop.



NASSCOM CoE IoT & AI Gandhinagar conducted a first of a kind Internship Recruitment Drive, with the main intention of making our talent industry-ready. As part of the NASSCOM-led recruitment drive, 25 candidates appeared for interviews led by companies like JK Lakshmi Cements Pvt Ltd, Photom and Alluvium. JK Lakshmi Cements Pvt Ltd selected SEVEN candidates, while Alluvium and Photom selected TWO each. In this strategic month-long internship exercise, candidates will get to witness first-hand industry challenges and problem statements, and conceptualise solutions based on emerging technologies.

Industrial internship drive led by CoE Gandhinagar to foster realtime co-creation



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“We are a technology focused company and it very important for us to do continuous research and technological advancements in our products. Thanks to NASSCOM CoE for organizing recruitment day at IIT Gandhinagar, we are excited to have top talent from IIT to work with us as interns on researching application of emerging technologies like IoT &AI to solve industry challenges,” Himmat Singh, cofounder, Photom Technologies, who participated in the recruitment drive.

Understanding computer vision and its practical use in industry

As part of NASSCOM CoE xChange Program, a deep dive workshop in Computer Vision-AI “Decision Making in Computer Vision”, was conducted in association with IIT Gandhinagar. More than 50 people from startups & the local AI/ML developer community attended this hands-on technical training session. The theme of event was to highlight the Challenges in Computer vision and how to apply the optimized solutions in real time. Mr. Shanmuganathan Raman, Associate Professor, Indian Institute of Technology, Gandhinagar and 6 researchers from his group led the discussions with examples and code patterns. This workshop was culminated with an interesting Q&A and panel discussion. This was a good opportunity for startups and other audience to gain evolved perspectives.



Workshop on interfacing sensors for a digital world

While India is hurtling towards becoming a product development hub, there is a growing need to understand realtime challenges in handling IoT & AI-based products. NASSCOM CoE Gandhinagar conducted a technical workshop, led by Madhukant Patel, CTO of Reve Automation LLP, on sensors and hardware, challenges managing IoT & AI products in real time and managing high data volumes with AI. This workshop was attended by more than 40 members from startups, SMEs and academia.



CoE Startups Parade Their Innovations at Vibrant Startup & Technology Summit



The three-day summit was action packed, especially for CoE Gandhinagar. The core team and associated startups were present for a range of sessions & showcase opportunities. During an interactive industry session, CEO Sanjeev Malhotra spoke extensively on Industry 4.0 and its applications in manufacturing. Amit Saluja, Center Head of CoE Gandhinagar who spoke about how NASSCOM is helping build an innovation ecosystem. Additionally, there were Corporate and Startup connect sessions which Amit led as a panelist along with Sanjay Moralwar, CIO Zydus Cadila and Sandip Shah from Deloitte. Eight CoE startups, aided by CoE Gandhinagar, participated in the summit & set up booths – Indolytics, Plutomen, Whyte Automation, News4Use, Torchit, Easygov.in, Niramai and Floatbot. Jimmy Padia, founder of Floatbot, won the IDEATHon 2019 in the Fintech category and was awarded by Shri Nitin Patel, Dy Chief Minister of Gujarat, Shri Hareet Shukla, Secretary of DST, Shri Divyesh Doshi, Director of GESIA IT Association and Shri Maulik Bhansali, Chairman of GESIA IT Association.



Amalthea - Technology Summit held in IIT Gandhinagar

Amalthea, the annual technology summit of IIT Gandhinagar was held on October 19th & 20th where innovation in conjunction with sustainable growth of a society was extensively discussed by startups, research institutions, design innovators & academia. FIVE CoE Gandhinagar startups participated in this two-day event – Alluvium IoT Solutions, Enerlytics, Sunbots Innovation LLP, News4Use and ReveSoils Pvt Ltd. The event was well received by founders, some of whom were able to meet students interested in NLP for Indian languages – a fast-growing specialist area in the field of AI.



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