



NASSCOM

Center of Excellence-IoT & AI

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



NASSCOM CoE

GANDHINAGAR

QUARTERLY REPORT

April - June, 2020



सत्यमेव जयते

Ministry of Electronics
& Information Technology
Government of India



GUJARAT INFORMATICS LIMITED
(A Government of Gujarat Company)



Department of Science & Technology
Government of Gujarat



सत्यमेव जयते

Government of Gujarat

Manufacturing Industry leaders are faced with a tough question of how to produce with the constraints of the 'new normal'. Current crisis has convinced us that digital is not a choice but necessity to run the operations. While lockdown has been lifted, the situation on ground has not changed a lot, with challenges to run plants becoming bigger every day as uncertainties are of the highest order

NASSCOM CoE Gandhinagar hosted a series of webinar and roundtables to bring together senior leaders from manufacturing companies to collectively discuss the challenges industry face today and future strategies that can minimize the disruption. At these events we also had start-ups present their solution to create awareness on how low cost and easy to deploy solutions can help in improving productivity, efficiency and worker safety.

Manufacturing Under Lockdown Webinar Series

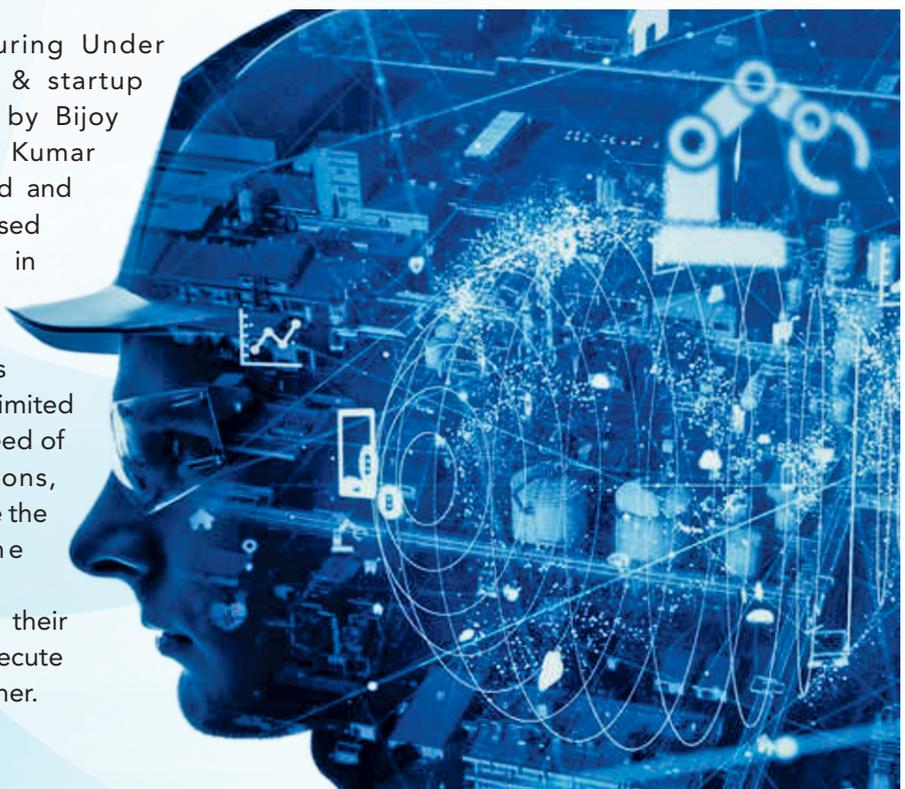
Manufacturing Under Lockdown - How to plan for the Future



NASSCOM CoE Gandhinagar conducted the first edition of Manufacturing Under Lockdown in April, with a focus on leveraging digital technologies to plan for a different future in manufacturing, intended to help and guide professionals on managing and navigating out of lockdown in manufacturing. The first session had more than 170 professionals across manufacturing enterprises. Speakers were NC Chakrabarti of Reliance Industries, Keyur Bhalavat of Plutomen, Suraj Rajan of Alluvium IoT Solutions Pvt. Ltd. & Ankit Dave of Indolytics who discussed digital technologies aiding manufacturing even during a lockdown.

Manufacturing Under Lockdown - Enterprise Startup Collaboration

The 2nd edition of Manufacturing Under Lockdown explored enterprise & startup collaboration opportunities led by Bijoy Chatterjee of SKODA, Naveen Kumar Sharma of JK Lakshmi Cement Ltd and Harit Soni of Ecolibrium, who discussed collaboration between enterprises in manufacturing and startups as well as integration models and success stories modelled on this synergy. In the current scenario of limited resources and the required high speed of implementing innovative solutions, collaborative models are going to be the new trend in Industries. The enterprises need to adopt such ready-made platforms to speed-up their transformation journey and can execute the POCs in a faster and low risk manner.



Virtual CXO Roundtable Series

First Virtual CXO Roundtable: Challenges In Manufacturing & Digital Solutions

The first virtual CXO roundtable discussed the new normal and how it will lead to a reduction in workforce so productivity and throughput improvement is critical to meet the demand. With large enterprises depending upon MSMEs for their raw material, disruption in any segment will impact the whole manufacturing ecosystem. The emphasis was on enterprise – start-up collaboration can be of great help to do POCs and assess the ROI of digital initiatives. Semi-automation functions with human intervention can be explored with a need to develop a structured approach to build the strategy for the future.



Second Virtual CXO Roundtable: The Rise of Digital as Savior



The second roundtable took on the issue of executing manufacturing under lockdown conditions and anticipating customer behavior. With a new digital strategy, along with customer, the vendor too has to be aligned and considered a benefactor of this plan. Human centric design and engineering, digitalization and partnership model will be the guiding principles in future. If processes are changed gradually, operations can become more efficient and these changes could be implemented with support from digital technologies.

Third Virtual CXO Roundtable: Building Predictable and Resilient supply chains

The third roundtable considered the impact of political and military events with China on India's manufacturing supply chain and strategies. Additionally, worker Safety, remote monitoring health and environment parameters through digital means was also discussed. Skilled workforce availability will remain a challenge for long and the industry needs low-cost digital solutions for workforce management, AR/VR based remote assisted manufacturing and IoT solutions to track logistics. AI can be of big help for Integrated Business Planning to ensure inventory, supply chain, demand forecasting & manufacturing processes are in sync.



Virtual CXO Roundtable 4: NASSCOM CoE & FICCI



The roundtable organized by NASSCOM and FICCI had participants discussing production and logistics costs to be lowered with technology-led initiatives required to improve productivity and efficiency. Preventive maintenance and energy management solutions can help in reducing the cost and manufacturing companies should work with solution providers and start-ups to try out new initiatives that can help in reducing cost. Case studies needs to be created to replicate the solutions across industries.

Digital Innovators Meetup Series

NASSCOM CoE hosts monthly meetups to bring together founders and co-founders of digital led startups to discuss challenges start-ups are facing today and help needed. This platform also helps in increasing collaboration between start-ups to help the industry. As part of this CoE hosted three meetups which was also attended by industry experts to advice the start-ups.

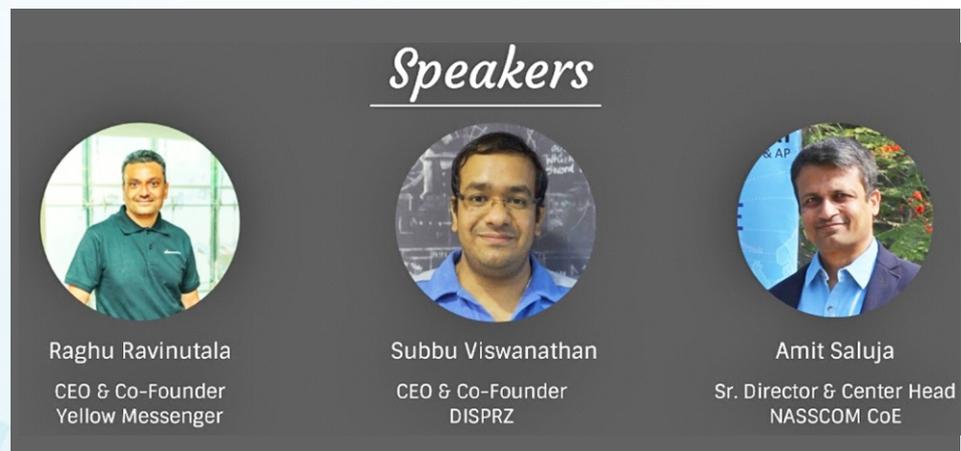
2nd Digital Innovators Meet - April



The 2nd Digital Innovators Meet took place virtually, with more than 30 startups attending the session led by Digvijay Singh, COO of Indian Angels Network & Amit Saluja, Senior Director and Center Head, CoE Gandhinagar. Amit Saluja discussed managing businesses during a crisis and focused on digital being a key enabler, while Digvijay Singh emphasised on startups focusing on IoT & AI based startups should offer solutions where there is an opportunity to increase safety and reduce human intervention.

3rd Digital Innovators Meet - May

The 3rd Digital Innovators Meet featured Raghu Ravinutala from Yellow Messenger and Subbu Viswanathan from DISPRZ, moderated by Amit Saluja, Senior Director and Center Head, CoE Gandhinagar. The key takeaways include being lean and run with a small but strong group of cofounders; identify customers that work closely with the startup and provide inputs, as well as customers who are never satisfied; "Sell First, Build Later" mantra which enables strong product delivery ethos; save cash, understand customer needs and communicate with employees; assess valuation in initial stages for better leverage; plan for the short term owing to multiple uncertainties and focus on research & development.

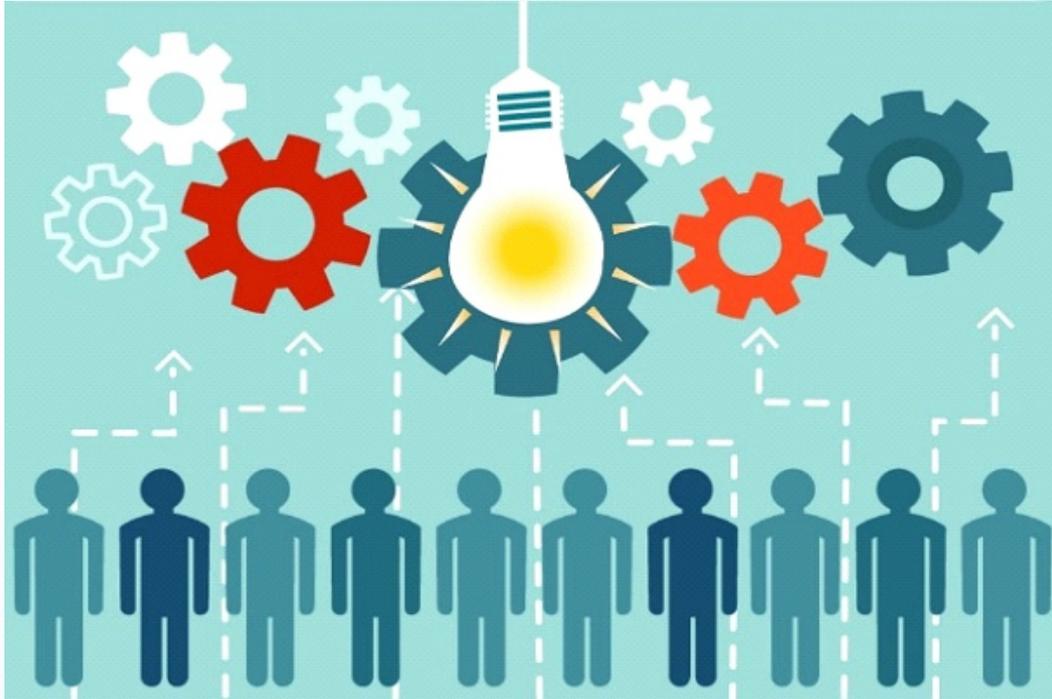


4th Digital Innovators Meet - June



This meet featured Jatin Trivedi, senior partner, YJ Trivedi and Co., moderated by Amit Saluja, Senior Director and Center Head, CoE Gandhinagar. Key Takeaways included the importance of patents to protect and showcase creativity, how to file patents, related research methods and global examples of how different companies created wealth through patents. Post the session there was Q&A for start-ups to discuss their specific queries on patenting their products.

NASSCOM Center of Excellence - IoT & AI invites industry leaders & associations, academia & research organizations and startups to be part of this innovation ecosystem that would not only help to drive your organization's growth but would also help to pave the leadership for a changed future.



To know more on how you can collaborate and be part of India's largest deeptech innovation platform reach out to Amit Saluja, Senior Director & Center Head, NASSCOM CoE Gandhinagar at asaluja@nasscom.in

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