



Perspective

PARA Tech’s Technology Segments



Anil Chopra

Anup Wadhwa

I visited IIT Delhi and met Anup Wadhwa. A very self-assured tech protagonist quietly immersed in assisting automation companies at the FSM lab in IIT Delhi. AIA association headed by Anup Wadhwa is doing real work at IIT Delhi with the Foundation for Smart Manufacturing (FSM). FSM helps, supports, and develops Smart Manufacturing concepts for Indian Industry to witness, ideate, and try out in their own plants. FSM also aimed at developing a holistic educational curriculum and skill-building program through a vibrant incubation and administrative environment.

FSM Skills

FSM Skills is a holistic platform for providing immersive training experience through Live lectures, Online learning, Live demonstrations, Live Labs and Self-paced exercises on remotely accessible actual hardware. Anup Wadhwa is an Alumnus of IIT Delhi from where he completed his Bachelor degree in Technology. His passion for Digital Electronics started in college and later took him to an exciting career in the field of Industrial Automation. Staying largely in the corporate sector, he successfully

navigated his professional career between engineering, marketing and business management roles. Currently he is serving as the Director of the Automation Industry Association (AIA) where he has been the architect of AIA’s Campus Connect and Skills Enhancement Initiatives. Very passionate about promoting innovation and system thinking amongst Indian SME enterprises, Anup is translating that vision via a Not-for-Profit Technology initiative; the IITD-AIA Foundation for Smart Manufacturing.



Samarth Udyog

He is a member of an Expert Committee set up by Department of Heavy Industry to advise on the Indian roadmap for an Industry 4.0 national platform, bringing ecosystem partners from Government, Industry, R&D and Academia to foster Samarth Udyog. He is also a member of an Expert Committee advising NIFFT Board to elevate their infrastructure to make it a Center of Excellence in Advanced Manufacturing. Anup devotes significant time to nurturing and elevating natural values of peace, joy and fulfillment. A regular volunteer with the Tej Gyan Foundation, he has organized book launches and collaborative events involving leaders from different faiths. I visited the FSM lab and was struck with the work going on. In development was a live 3D visualization of automation process that is fully connected displaying all readings of various production parameters. This is real Industry 4.0.

AIA

The Automation Industry Association (AIA) serves as a platform representing leading manufacturers, software developers, system integrators, and solution providers in the industrial automation space. With a strong membership that includes both global technology leaders and specialized domestic players, AIA plays a pivotal role in advancing factory and process automation across product sectors. The association not

only provides its members with critical market intelligence and networking opportunities but also acts as a catalyst for digital transformation by helping manufacturers discover and implement cutting-edge automation technologies. As India’s manufacturing sector embraces smarter, more connected operations, AIA continues to bridge the gap between technology providers and industry users, driving the nation toward a more productive and competitive future.

Industry 4.0?

Anup Wadhwa explained in a calm sure manner as his assistant was explaining he had used gaming visualization software. That Industry 4.0 was originally a German concept of remote monitoring of factory automation. Emphasis On Remote; Naturally via internet. Period. Now no one understands what Industry 4.0 stands for. Everyone uses the term loosely for all industrial automation. Even AI is confused! ChatGPT says Industry 4.0 is AI in automation!!

PARA Tech’s Technology Segments

So anyway, India first needs to go crazy on factory automation. Then we progress to Industry 4.0. To get things straight this issue Cover story is ‘PARA Tech Defines Industrial Automation Technology Segments’. These 23 segments dissect the contributing technologies that deliver industrial automation and design. This will guide your company to participate in PARA Tech 2026.

Perspective

ABB and Eaton

Imprint’s mantra is to inform on the hot new technologies offered by high knowledge-quotient companies. So, we have ABB Unveils Ultra Accuracy Feature for GoFa™ Collaborative Robots (page 12) and Eaton’s Role in the Future of Industrial Automation: Innovations & Trends (page 30).

Acronyms

This issue features a second Acronyms article. Our editorial is fixated on smartening up pros in the field with smart ready reckoners that help in getting the facts straight. Rely on imprint regularly to get these gems. PARA Tech Webinars kickstarts with the first edition – Imperatives of Automation in Pharma Manufacturing. Three top notch speakers. (page 26).

PARA Tech Webinar

Imprint identified Pharma manufacturing as having good potential to adopt automation since pharma sector presently in India is not upto speed with robotics and automation. This sector is chosen for focus of the first webinar. On Oct 9 we have three eminent personalities on the webinar that will be a treasure for all professionals to learn their path forward in adopting critical automation. We have K Kulbhushan, Global Head & Vice President – Operations Strategy, Excellence & Digital, Dr. Reddy’s Laboratories sharing Dr Reddy’s Automation in Pharma Manufacturing on (page 34).

Imprint is a media partner of the World AI Conference in Dubai. This conference deliberations included AI in machine learning, machine vision, and other industrial automation (IA) segments. Future issues will feature the specific sessions and speakers. Yeah! Imprint will introduce you to the intelligentsia of the automation industry. Stay tuned.

All India Council of Robotics and Automation-AICRA



India has woken. Ministry of Heavy Industry is interested in establishing an automation and robotics expo with AICRA- All India Council of Robotics and Automation. Suddenly there is emphasis of exhibitions on industrial automation and robotics. Is this in response to demand for automation? Or is this opportunistic? Or is this on account of lack of sincerity of existing exhibition platforms disconnecting with actual industry-driven needs? Is this the reason of activation of government bodies; rising to organize expos on factory automation and robotics? Evidently the need for automation is genuine, emergent and imperative. Yes, the writing is on the wall. This is a response to immediate demand for automation. Yes, its opportunistic but a valid and good response from the government.

AICRA- All India Council of Robotics and Automation, a not-for-profit organization is the apex body, setting up standards in Robotics & Automation and as well as helping over 35,00+ members organizations and professionals to solve difficult technical problems. AICRA also assists in education contributing to career

development of professionals in robotics and automation. It is providing support systems to institutions such as quality assurance, information systems and train-the-trainer (TTT) academies either directly or through partnerships. To strengthen supplementary skill development, AICRA

focuses on fostering private sector led efforts that include both non-profit and for-profit initiatives with the goal of building models that are scalable. Definitely Imprint Automation India Magazine position is that alternate expos are the need of the hour. The nexus driven existing exhibition will not serve the interest of either heavy industry or oil and gas or fertilizer or pharma and packaging. We need a more dynamic connect for adoption of automation. PARA Tech Expo is one such vision.

Automation Ecosystem

Stay connected with India’s growing automation ecosystem through the official social media channels of Imprint Automation India Magazine and PARA Tech Expo. Across platforms, we share curated content designed to educate, inform, and connect the automation industry.

Imprint Automation India Social Media

Our channel features technical interviews, product explainer videos, and coverage of major expos and seminars from across India. We regularly post new product spotlights, magazine updates, and event photos featuring exhibitors and innovators. A professional hub for editorial articles, industry news, and engagement with automation leaders and companies.

PARA Tech Expo Social Media

PARA Tech Expo has its own Social Medias and OTT channel which have Updates being regularly posted. These posts includes everyday posting of new product spotlights,segmets and more.



Cheers!

Anil Chopra
Editor



Anup Wadhwa

