



IETF NEWS

WHERE TECHNOLOGIES MEET FUTURE

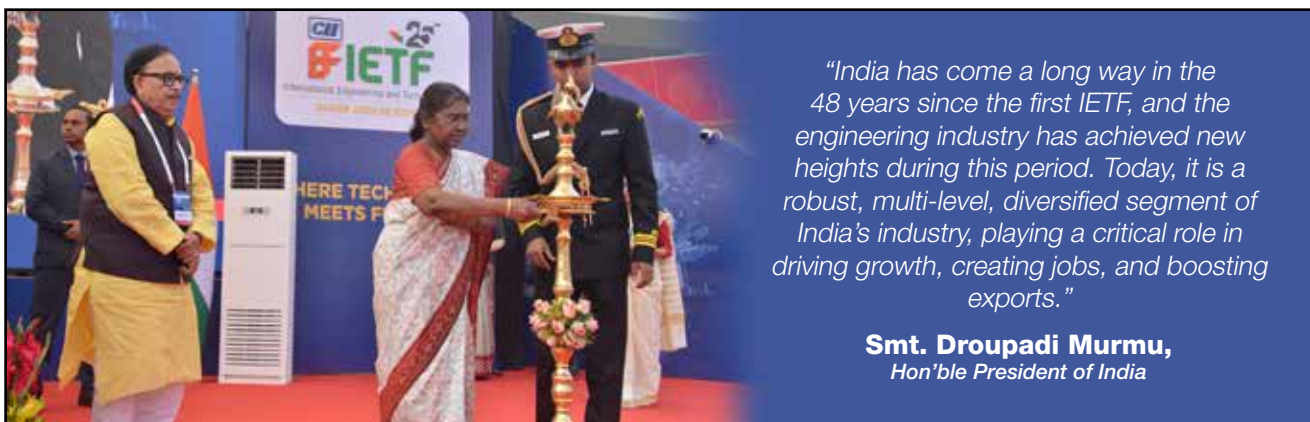
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IETF 2023: Creating India of Future

Inaugurating the Silver Jubilee edition of the three-day International Engineering and Technology Fair (IETF) President of India Hon'ble Smt Droupadi Murmu underscored IETF's impressive trajectory in transforming Indian industry into a robust, multi-level, and diversified segment creating new pathways for high growth



"India has come a long way in the 48 years since the first IETF, and the engineering industry has achieved new heights during this period. Today, it is a robust, multi-level, diversified segment of India's industry, playing a critical role in driving growth, creating jobs, and boosting exports."

Smt. Droupadi Murmu,
Hon'ble President of India

President of India Hon'ble Smt. Draupadi Murmu lighting the inaugural lamp while Guest of Honour Dr Mahendra Nath Pandey, Minister of Heavy Industries, looks on at the 25th edition of IETF on February 16 at Pragati Maidan, New Delhi



Dignitaries attending the inaugural ceremony of IETF 2023



Business visitors on their way to the IETF Expo in Pragati Maidan

The Silver Jubilee edition of International Engineering and Technology Fair (IETF), the flagship biennial event by Confederation of Indian Industry (CII), was inaugurated by President of India, Hon'ble Smt Droupadi Murmu on February 16 at Pragati Maidan in New Delhi.

"Indeed, the IETF's journey has an impressive trajectory. This year, the event is not only a celebration of India's growth story in the engineering and manufacturing sector, but also a testimony to the nation's collaboration with the best in the world in advanced technologies," the President said in her address in the inaugural session attended by CEOs, decision makers, technical experts, sourcing personnel, diplomats, trade and government delegations and media.

Off to a great start, the three-day event will witness active participation of exhibitors and delegates from 45 countries. One of the major highlights of this edition of IETF is the largest ever participation of over 100 Indian Start Ups.

Leaders Speak



Smart and Advanced Manufacturing and Rapid Transformation Hubs (SAMARTH Udyog) are creating a conducive environment for digital transformation, growth and skill development in manufacturing Industry and SMEs.

Dr Mahendra Nath Pandey,
Hon'ble Minister of Heavy Industries,
Government of India



India has achieved over 10 billion square feet of registered green building space, which is the second largest green building footprint in the world. The Indian Green Building Council

led by CII is committed to competitiveness and sustainability of Indian industry.

R Dinesh, President Designate,
Confederation of Indian Industry



IETF presents huge opportunities to foreign companies to partner with the great Indian growth story and is a great platform for global brands and companies to enter India. CII's focus has been on the future technology, Indian industries competitiveness and boosting the global firms' confidence towards India.

Chandrajit Banerjee, Director General,
Confederation of Indian Industry

INDIA GLOBALLY COMPETITIVE AND THRIVING

The manufacturing sector in India is globally competitive and thriving. From highly sophisticated sectors such as defence and aerospace to mobile phone production, India has emerged as the most preferred global destination today, says President of India Hon'ble Smt Droupadi Murmu

Riding on the back of policies adopted in the recent past which have given fillip to an unprecedented inclusive growth, today India's manufacturing sector is globally competitive and thriving and has significant potential to engage with the international markets, said President, Hon'ble Smt Droupadi Murmu at the inaugural of the Silver Jubilee edition of IETF on February 16.

She lauded India's commitment to clean energy saying it has been driving the country's green growth which is internationally appreciated. "India has been marching ahead steadfastly to attain the net zero emission target in 2070. We are being appreciated world over for our rapid stride in producing clean energy," she said.

Sustainable development is one of the key focus themes at the 25th edition of IETF this year, with majority of exhibitors from both India and abroad showcasing their green technologies and innovation to keep



President of India Hon'ble Smt Droupadi Murmu delivering her inaugural address at IETF 2023

up with the global emission norms and create a sustainable future for the planet.

The President pointed out that the drive to clean the holy river Ganga and emphasis on conserving water bodies across the country is a step in this direction in view of India's conscious effort to conserve nature's bounty "to save this beautiful planet for posterity".

Saying that technology is going to change the way we live, she emphasized on the need to use technology for social change.

"It gives me immense pleasure to learn that there is a determined attempt in this fair to showcase feats of engineering and technologies that promote harmony between nature and science," the President said.

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India is on a mission to expand its global engagement taking advantage of its excellent manufacturing experience, high-quality talent and cutting-edge advanced technology attainments.

There are many critical areas where international collaboration in engineering and technology will bring about changes to make the world a prosperous and safer place for the posterity, she said.

Presidential Visit @IETF EXPO 2023



President of India Hon'ble Smt Droupadi Murmu being escorted by industry leaders and Dr Mahendra Nath Pandey, Minister of Heavy Industries, as she visits the IETF Expo on February 16 at Pragati Maidan in New Delhi.



GOVERNMENT COMMITTED TO INDUSTRY 4.0

The nation's rapid progress in recent years has been facilitated by the government's enabling policies, says Dr. Mahendra Nath Pandey, Minister of Heavy Industries, Government of India

Transformational schemes like 'Make in India' and 'Aatmanirbhar Bharat' have been launched to promote manufacturing as a priority in India, which bears testimony to the government unwavering commitment towards promoting Industry 4.0, said Dr. Mahendra Nath Pandey, Minister of Heavy Industries, Government of India in his inaugural address as the Guest of Honour at the IETF 2023.

Dr Pandey underlined the need for skilling Indian workforce in new technologies like design modelling, product prototype, smart manufacturing, etc. and said that his Ministry is working with sector skill councils to skill more than 70,000 people in the next three years.



Dr Mahendra Nath Pandey, Minister of Heavy Industries addressing the inaugural session as Guest of Honor at IETF 2023

To achieve our growth aspirations, we need to strengthen our technical capabilities and research and development

To achieve our growth aspirations, we need to strengthen our technical capabilities and research and development, Dr Pandey added. He said that Smart and Advanced Manufacturing and Rapid Transformation Hubs (SAMARTH Udyog) are creating a conducive environment for digital transformation, growth and skill development in manufacturing Industry and SMEs.

CII FOCUS ON SUSTAINABILITY

India has crossed a significant milestone of having 10 billion square feet of registered green building space—which is second largest in the world. Thanks to the efforts being put in by the Indian Green Building Council that has played a key role in helping India reach this position, says R Dinesh, President Designate, CII

R Dinesh, President Designate, CII announced that India has achieved 10 billion square feet of registered green building space, noting that this is the second largest green building footprint in the world, as he addressed the participants in the inaugural ceremony of IETF 2023 on February 16.

"The Indian Green Building Council led by CII has been particularly responsible for taking India to this position. CII's Centers of Excellence for manufacturing, SMEs, quality startups, innovation and logistics are focused on sustainability of Indian Industry and are committed to enhance competitiveness and sustainability of Indian industry, making sure that business excellence is led across all dimensions," he said.

Dinesh said that as India embarks on this new era of 'Amrit Kaal', it

will ensure that India ascends to new heights of prosperity and engineering and technology will be a core part in India's march to the future.

Leveraging technology India has already become the fifth largest economy and the third largest startup ecosystem, and the third highest in terms of research publication. Today, India has a very conducive policy environment, whether it is 'Make in India', 'Startup India', 'Gati Shakti' programme, National Logistics Policy, 'Digital India', PLI scheme or many others, which are seeking to help India leapfrog to the future, the CII President Designate observed.

The CII President Designate also said that the engineering sector accounts for 27% of the total factories in the industrial sector and represent 63% of the foreign collaborations.

HUGE OPPORTUNITIES FOR GLOBAL PARTNERSHIPS

Through IETF, the Confederation of Indian Industry focuses on the future of technology to boost India's industrial competitiveness and global firms' confidence in India's innovation capabilities to become a manufacturing hub for the world, says Chandrajit Banerjee, Director General, CII

Evolving in the last 50 years, IETF, which started its journey as a CII's first exhibition then known as Indian Engineering Trade Fair, this unique mega event today showcases the future of manufacturing by laying emphasis on technological innovations to improve quality of goods and services with an approach to increase competitiveness of Indian industry while keeping in mind the corporate social responsibility and sustainability, said Chandrajit Banerjee, Director General, CII, in his address at the inauguration of Silver Jubilee edition of IETF.

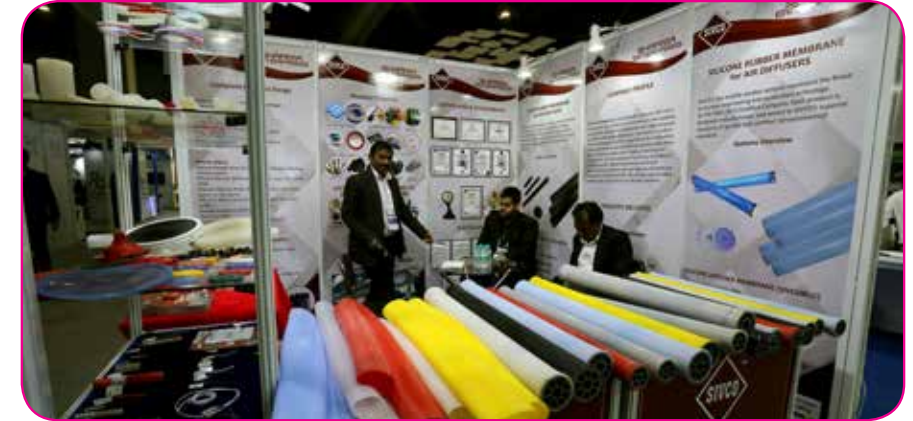
He added that IETF presents huge opportunities to foreign companies to partner with the great Indian growth story and is a great platform for global brands and companies to enter India.

Over 400 companies from various countries are displaying their latest



products and technologies at the IETF. Finland is the focus country at the IETF this year. The silver jubilee edition of IETF includes three concurrent shows and nine focus shows. The latest innovations in Advanced Building Technologies, Artificial Intelligence, Capital Machinery, Digital Gaming, Fluid Power, Factory & Plant Maintenance, Healthcare, Industrial Automation & Robotics, Modern Logistics Solutions, Metal & Metallurgy, and Water & Solid Waste Management are being presented at the event, he said.

He pointed out that all of this would not have been possible without logistics, which the Prime Minister has boosted through the Gati Shakti programme. He added that the sector is being prominently showcased in the IETF 2023 and will offer huge opportunities to India to reach its sustainable development goals.



TECHNOLOGIES TO STRENGTHEN INDIA'S MANUFACTURING

IETF 2023 lays special emphasis on key focus sectors like Advanced Building Technologies, Fluid Power, Factory & Plant, India Industrial Automation Robotics & Electronics, Logistics, MECTECH, Metal & Metallurgy, Innovative Coating & Paints, and Water & Waste to showcases latest advancements that are critical for the growth of India's manufacturing base





TECH & INNOVATIONS OF THE FUTURE

As future technologies are set to redefine development and growth, Artificial Intelligence is one of the dominant themes at the IETF Expo 2023, where products and technologies using AI are being showcased to help visitors get a glimpse of how emerging technologies are going to touch their lives in not so distant future



Health Innovations for Quality Life

Health Tech India, being held concurrently with IETF, has emerged as an ideal platform to attract all key stakeholders in the healthcare sector, such as doctors, specialists, public health officials, policymakers, medical tourism, medical insurance, hospital administrations, procurement professionals, medical institutions, medical students, and medical colleges, to witness the latest innovation and cutting-edge technology in healthcare product and services



SHOWCASE OF INDIA'S GAMING PROWESS

WITH ONE OF THE WORLD'S LARGEST YOUTH POPULATION, INDIA IS ON THE ROAD TO BECOMING A GAMING SUPERPOWER. HELD CONCURRENTLY WITH IETF 2023, INDIA GAMING SHOW FEATURES TECHNOLOGICAL BREAKTHROUGHS, LATEST GAMES BY INDIE DEVELOPERS, ANIMATION, GAMIFICATION OF PRODUCT AND SERVICES, ESPORT, AR, VR, GAMING ZONES, START-UPS, SKILL & SKILL DEVELOPMENT, DIGITAL INDIA, MAKE IN INDIA, UNDER ONE ROOF



AI to Strengthen India-UK Ties

Held in collaboration with UK Government's Department of International Trade and The Circle Founders Club, the roundtable heard experts emphasising on the strong ties between India and the UK to promote AI technologies

To deliberate on AI strategies, explore technology advancements as well as introduce the latest innovations in the Artificial Intelligence sector, the AI India Show 2023 was organised on the sidelines of IETF 2023. On the inaugural day, 'AI Business Roundtables on India-UK: Working Towards the Future of Manufacturing', which was organised in collaboration with UK Government's Department of International Trade and The Circle Founders Club, saw eminent speakers and technocrats highlighting the future and scope of the AI industry and how can it can do wonders if the right amount of technology and sources are invest-



ed in the right direction. The experts cited the historical business and financial ties between India and the UK government, to promote the emerging AI technology for the benefit of the people in both the countries. It was underscored that both India

and UK need a strategy to reach out to the people in order to promote the AI industry. However, setting up this industry would need a good amount of capital investment, which present day Indian startups are lacking. The experts said that apart from the monetary aspect, we

need time and Human Resources to get this industry up and running. Experts also pointed out the existing complimentary nature of Indian and UK economies, where the former has cheaper labour playing to its advantage while the latter has comparative advantage of having a better AI ecosystem which is fairly advanced. "We need to take our next steps in the right direction to make these complimentary advantages go hand in hand". They expressed hope that in times to come both the countries will see a much closer collaboration of their multinational companies on the back of good relations between the two countries.

Focus on First and Last Mile Connectivity

PM's visionary initiative Gatishakti National Master plan has laid the foundation stone to create a futuristic logistics system for the country

CII organised the 13th edition of Logistics Summit on the sidelines of the 25th edition of International Engineering & Technology Fair (IETF) on February 16. The theme for this year was 'The Growth Trajectory of Logistics in India'. The conference was graced by Sumita Dawra, Special Secretary, Logistics Division Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government Of India, R. Dinesh, President Designate, CII and Bharat Joshi, Co-chairman, CII National Committee on Logistics and CEO- Curve Ventures Pvt Ltd. In the inaugural address, Dawra said that the government under the guidance of PM Narendra Modi has emphasised on improving logistics ecosystem to ensure first and last mile connectivity. "Our PM's visionary initiative Gatishakti National Master plan laid the foundation stone in this direction to create a futuristic logistics system for the country. India today is emerging as global hotspot

for manufacturing and a robust logistics will propel it further. Gatishakti plan aims at utilizing the true power of data in identifying logistics gaps and making strategies to remove the barriers," she said. In his keynote address, R. Dinesh, President Designate, CII, said, that CII has always provided requisite support to the logistics sector in India and played an instrumental role in the National Logistics Policy. "Logistics has become critical today as India has lots of ambitious goals to accomplish in this decade under the Amrit Kaal vision. The PM Gatishakti mission has come as a great support which enables the creation of data-driven logistics ecosystem. The 100 infrastructure projects that has been proposed in the Budget '23 will strengthen the sector," he added. According to Dinesh, the logistics segment now requires to focus on reducing logistics costs, working on the integration of digital technologies, and most importantly, on sustainability factors.



Indian MedTech a Sunrise Sector

India is among the top 20 in the world in terms of volume and is growing at the 15 percent which is a healthy growth rate

The conference on "Drive for India 2047" was organized during the 25th International Engineering and Technology fair at Pragati Maidan, New Delhi. Himanshu Baid Chairman, CII National Medical Technology Forum & Managing Director Poly Medicure Ltd in his address at the inaugural highlighted that Indian MedTech sector is a sunrise sector. He said that Government of India is focused on the MedTech industry and have supported it with schemes such as PLI, Medical Parks, 100 % FDI, etc. As there is a huge skill gap in the sector, the government has announced the establishment of the Centre of

Excellence (CoE) to provide skilled manpower for med tech sector. Dr Naresh Trehan Chairman, CII National Council on Healthcare & Chairman & Managing Director Medanta – The Medicity pointed out that cutting-edge medical technology is available in India and we are blessed with the best brains in the world. He said as we talk about 2047, it gives us long runway to create magic. Healthcare sector is going to be triple in the coming years. Dr Jitendra Sharma Managing Director & CEO from Andhra Pradesh MedTech Zone joined virtually to address the conference.

Takeaways @ IETF

- 1 Sustainability has emerged as a key theme at IETF 2023 with Green products and services being put on display prominently
- 2 Online gaming, eSports beginning to emerge as key growth drivers of India's creative economy
- 3 National Telemedicine Service one of the largest government program on digital health
- 4 Within the year 2023, the gamers are expected to be more than 450 million in numbers. India is second only to China in terms of the number of online gamers
- 5 India has crossed a significant milestone of having 10 billion square feet of registered green building space, making it the world's second largest country with sustainable buildings
- 6 India has emerged as the second largest ecosystem in the world for startups and unicorns



India Moving Towards Zero Emission Goal

Dr Mahendra Nath Pandey, Minister of Heavy Industries and Guest of Honour at IETF, released a book titled 'CII's contribution to National Green & Sustainable Movement' at the inaugural session on February 16. The green building movement is a major initiative of CII's Indian Green Building Council, which aims at making India a global leader in green buildings and green environment. The book brings into focus how Indian Green Building Council (GBC), with the support of all stakeholders launched the country's first IGBT Net Zero Energy Building Rating System in 2018. This enabled the enhancement of green features of buildings by bringing in innovative and futuristic technologies that resulted in a tremendous reduction of energy and water consumption and also provided healthier places for people. GBC was set up over two decades ago and has since launched many impactful initiatives in the country.

Decoding Future of Gaming in India

Given the expanding career options in the gaming sector, many young people in India are joining the sector to earn their livelihood. Future developments in the Indian gaming industry will be driven by technologies like AI, VR, and Metaverse, which will play a critical role in developing India's creative economy

The fourth edition of Indian Gaming Conference, themed 'Defining New Frontiers: The Future of Gaming in India', was held on the sidelines of the IETF 2023, where domain experts emphasised on the collective responsible of all the stakeholders to develop the gaming ecosystem in India to realise its full potential in boosting India's creative economy to the next level and leveraging the sector to achieve global economic goals. Speaking during the conference, Rajan Navani, Chairman, CII Steering Committee on India Gaming Show and CEO, JetSynthesys, said that India is a blessed country when it comes to having a young population and in the next 25 years the Hon'ble Prime Minister's vision of Amrit Kaal will be powered by the same youth of



India. From a gaming point of view, online gaming, eSports, etc, are beginning to emerge and grow in India and as a country it is the collective responsibility of all stakeholders to come together to develop the ecosystem, he said. A lot of young individuals are embracing

the gaming industry even from a livelihood aspect as job opportunities are rising in the gaming sector. In the future, technologies such as AI, VR, and Metaverse will fuel innovation in India's gaming sector. The introduction of 5G will propel the gaming environment forward and enhance the gaming industry as a whole, Navani

added. "We are at a watershed moment in the gaming business, and over the next three days, we will be exchanging new ideas, innovation, imagination, and best practises that will define the future of gaming in this country," he said. According to Sean Hyunil Sohn, CEO of Krafton, eSports can be a stimulus for young people to pursue gaming as a serious career path. "India now has a large number of game developers, and we believe that the government can play a key role in making gaming a significant sector, given the massive size of the market and the global possibilities," he said. Sohn also lauded the rise in female engagement in the gaming industry, which he said was a welcome global trend.

Global Partners for Sustainable Future

With sustainability as a dominant theme at IETF 2023, global partnerships for adopting sustainable technologies can bolster India's efforts to achieve its green development objectives

Finland, the Focus Country at IETF, and Germany have set up their dedicated pavilions at the mega show to showcase the latest advancements in green technologies and services to ensure a sustainable future of the planet.

The Finland pavilion features companies like Nokia, Normet, Elematic, and Valoya. Speaking on behalf of Elematic, Hitesh Pathak, Business Development Manager at Elematic, said that his company is a major provider of smart solutions for precast concrete production that are used in creating high quality sustainable buildings in India.

Elematic precast technology offers residential buildings that save cost and save time while reducing the cost of labour by 60%. The life of the building is also extended due to superior quality-controlled production of elements, which are more durable.

Voloya is a leading LED grow light fixture and spectrum solution provider, claiming to illuminate the growth rooms and greenhouses of eight out of 10 world's largest AG companies. The company is in IETF to raise



awareness about its products, which are now manufactured in India.

The Germany Pavilion is showcasing the latest waste water management technologies that have potential to address waste water issues facing major Indian cities and are cause of increasing challenge of water pollution.



INDUSTRY VOICES



We are a Chinese company with investments in Oman. We are currently operating 51 ports around the globe. We are participating in IETF because India is the 2nd largest country after China and we want to raise awareness about our brand in India. We operate eight ports that are connecting Oman with India.

Klin, Oman International Container Terminal L.L.C, Sultanate of Oman



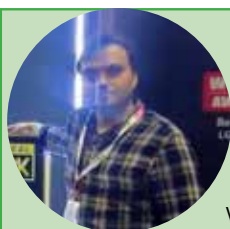
Nomadia is a global company based in Paris, France, and we have a team based out of Chennai in India. We provide software solutions to help organisations decrease their carbon footprints and optimise their business. In IETF, we expect to have multiple customers. We have presence in Europe for quite a few years now but we are now focusing on India as the market is huge. We are expecting to generate a lot of business leads and feel good about participating as an exhibitor here.

Pascal Beauvillain, International Sales and Alliances Director, Nomadia Smart Mobility Solutions, Paris-France



Our product is a Co-bot. As compared to industrial robot, the size is small and the best thing is that they are safer than industrial robots, and it helps you to collaborate with a human to work simultaneously. If it deducts any problem it automatically stops.

Lin Yu, Overseas Technical Engineer, Elite Robots, Shanghai



We are here in IETF to introduce our OLED TVs. It is known as self-lighting pictures which gives you realistic feel while viewing the screen.

LG OLED TV is best for gaming experience. To help gamers enjoy the optimal level of gaming, the product comes with AMD free sink. The response so far in IETF is pretty well as people are looking forward to know more about it.

Rahul Yadav, Regional Marketing Manager, LG Training Department

Our products are basically gowns used in OT and ICU and preferably used by attendants and surgeons. It is made up of reinforced material which means any liquid substance cannot pass through this gown. The overall response is good on the first day.

Mr Tarun Sharma, Director, Shri Say, Innovative Surgical Consumables, Faridabad

We are here at this exhibition to showcase our new product Autronics, which is a safety equipment and works as an automatic lock system for our customers. We hope to generate a good business response at IETF 2023.

Ashish Gupta, Autronics Automation India Pvt Ltd, Navi Mumbai