



Conference on

## Enhancing Cyber Resilience in the Manufacturing Sector: Strategies and Technologies for Industry 4.0

9th August, 2024 | 10 am|

Venue: NASSCOM CoE, IoT & AI | Bengaluru

### **INTRODUCTION**

Karnataka, a technology and industry hub in India, faces significant cybersecurity challenges in protecting its critical infrastructure. This infrastructure includes vital sectors such as energy, transportation, water supply, healthcare, and telecommunications. Enhancing cybersecurity for these sectors is crucial to ensure the safety and functionality of services that support the state's economy and well-being. There is a need for development of certain strategies and initiatives that Karnataka might undertake to enhance its critical infrastructure cybersecurity.

### **BIGGEST THREATS IN CYBER INFRASTRUCTURE:**

- Use of outdated software & hardware
- Ransomware attacks
- Use of unsecured IoT devices
- Extensive reliance on third party vendors
- Insider threats
- Unsecured remote access & physical security

### **STRATEGIES FOR CYBER RESILIENCE INFRASTRUCTURE**

#### ❖ Risk Assessment and Vulnerability Management:

Conduct regular risk assessments and vulnerability scans to identify and prioritize security weaknesses.

#### ❖ Public-Private Partnerships (PPPs):

Collaborate with private sector organizations & develop joint cybersecurity initiatives and response mechanisms.

❖ **Cybersecurity Awareness and Training:**

Educate employees and stakeholders on cybersecurity best practices, including phishing awareness, password hygiene, and incident response protocols.

❖ **Regulatory Compliance:**

Ensure that critical infrastructure operators comply with relevant cybersecurity regulations and standards, such as the National Critical Information Infrastructure Protection (NCIIPC) guidelines and ISO 27001.

❖ **International Collaboration and Emerging Technologies:**

Explore and invest in emerging technologies like artificial intelligence (AI), machine learning (ML), blockchain, and quantum cryptography to find innovative solutions for strengthening cybersecurity.

## ABOUT THE CONFERENCE

FICCI in association with NASSCOM is organizing a conference on “**Enhancing Cyber Resilience in the Manufacturing Sector: Strategies and Technologies for Industry 4.0**” on 9th of August at the Seminar hall of NASSCOM CoE, IoT & AI.

The objective of the conference is to deliberate on issues pertaining to the cyber security infrastructure in the Manufacturing sector of the state of Karnataka & way forward. Karnataka, being a hub for technology & Manufacturing in the country, it is important to develop a cyber threat resilient ecosystem so that it protects the interest of the manufacturing sector.

**Program Agenda:**

- Inaugural Session
- Panel Discussion on Industry 4.0 Cybersecurity challenges in manufacturing
- Panel Discussion on Digitization and IoT security in manufacturing.
- Panel Discussion on Advance technologies for cyber defence: future trends & innovations
- Special session on startups showcasing the future of cyber security

**Who Should Attend:**

- Officials from Information & Technology, Industry department from Govt of Karnataka
- Delegates from manufacturing sector, healthcare & finance sector
- Startups
- Consultants
- IT & ITES companies etc

### **ABOUT FICCI:**

Established in 1927, **FICCI** is the largest and oldest apex business organisation in India. FICCI articulates the views and concerns of industry. It serves its members from the Indian private and public corporate sectors and multinational companies, drawing its strength from diverse regional chambers of commerce and industry across states, reaching out to over 2,50,000 companies. FICCI provides a platform for networking and consensus building within and across sectors and is the first port of call for Indian industry, policy makers and the international business community.

### **ABOUT THE PARTNER**

**k-tech** Centre of Excellence in IoT  
powered by MeitY & **nasscom**

**NASSCOM Centre of Excellence for IoT & AI** was established as a part of Digital India Initiative to jump start the IOT & AI ecosystem taking advantage of India's IT strengths and attain a leadership role in the hardware and software area. The main objective of the centre is to create innovative applications and domain capability by harnessing the innovative nature of startup community and leveraging the experience of corporate players.

### **OUR SPONSORS**



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For any queries, please email at [monojit.bhattacharjee@ficci.com](mailto:monojit.bhattacharjee@ficci.com)

**Venue: Keonics, NASSCOM CoE, IoT & AI, #29/A(E), 27th Main, 7th Cross, Sector 1, HSR Layout, Bengaluru, Karnataka-560102**

**Time: 10:00 am onwards**