

PHDCCI INDUSTRY SUMMIT

**TechCrafting the Future:
Redefining Manufacturing with New Age Solutions**

Wednesday, 6th September, 2023 | PHD House, New Delhi



Building Blocks of Industry 4.0



Introduction:

The rapid advancement of technology has ushered in the era of Industry 4.0, a transformative phase in manufacturing that integrates cutting-edge digital technologies to optimize productivity, efficiency, and innovation.

This conference aims to delve into the realm of Industry 4.0, exploring its key components, potential benefits, and challenges, while providing a platform for industry experts and innovators to exchange knowledge, ideas, and best practices.

Conference Objectives:

1. Exploring the Foundations of Industry 4.0:

- Understand the core concepts and technologies driving Industry 4.0, including the Internet of Things (IoT), Artificial Intelligence (AI), big data analytics, robotics, cybersecurity and business automation.

2. Showcasing Industry 4.0 Success Stories:

- Highlight real-world case studies and success stories from industries that have embraced Industry 4.0 technology.
- Discuss the benefits and outcomes achieved through the implementation of new age technologies in Manufacturing, such as increased productivity, enhanced quality control, reduced costs, and improved Sustainability.

3. Addressing Challenges and Risks:

- Identify the challenges and potential risks associated with transitioning to Industry 4.0, including cybersecurity concerns, data privacy issues, workforce implications, and the digital divide.
- Discuss strategies to mitigate risks and overcome barriers to adoption, fostering a smooth transition to Industry 4.0.

4. Emerging Trends and Innovations:

- Explore emerging trends and innovations in Industry 4.0, such as edge computing, blockchain applications, augmented reality (AR), and digital twins.
- Discuss their potential impact on manufacturing processes, supply chain management, and business models.

5. Enabling a Collaborative Ecosystem:

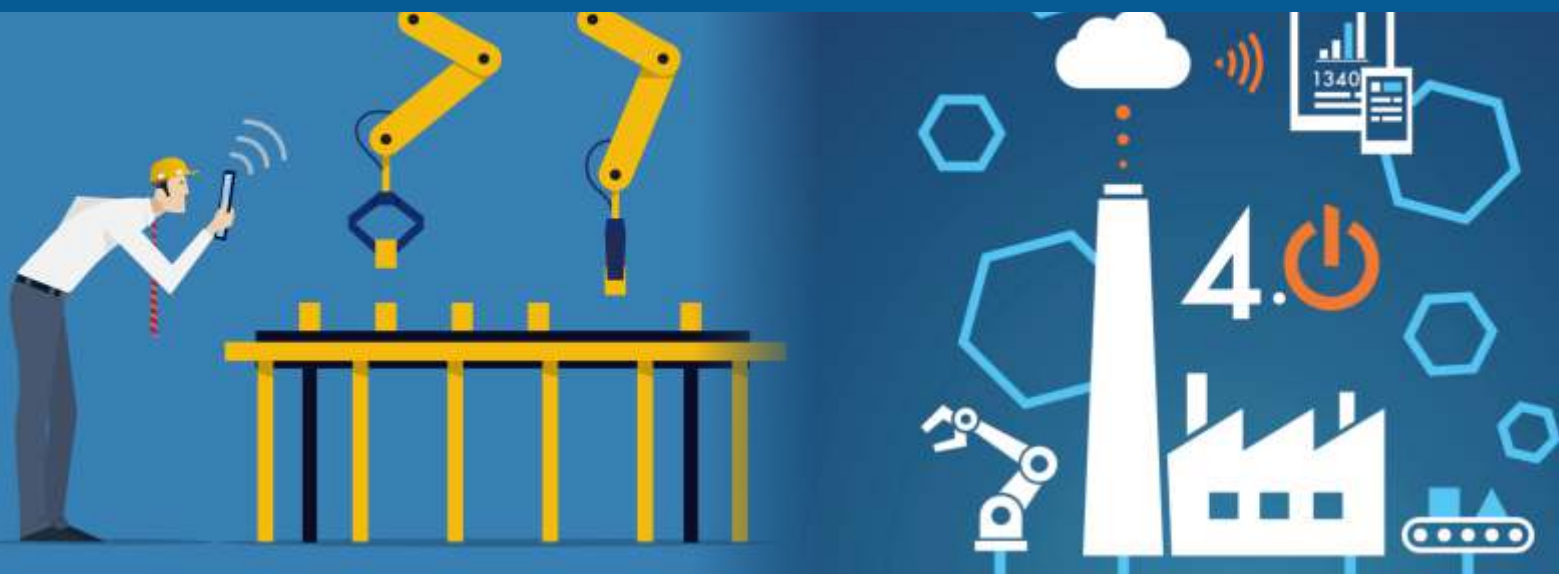
- Foster collaboration and partnerships between academia, industry experts, policymakers, and technology providers to accelerate the adoption of Industry 4.0.
- Facilitate knowledge sharing and networking opportunities to promote interdisciplinary discussions and identify areas for future research and development.

Summit Agenda

- Introduction to Industry 4.0: Concepts, principles, and key technologies.
- Digital Transformation: Strategies and best practices for embracing Industry 4.0.
- Internet of Things (IoT) and its role.
- Artificial Intelligence (AI) and Machine Learning (ML).
- Big Data Analytics and its applications in smart manufacturing and supply chain management.
- Cybersecurity in the era of Industry 4.0: Threats, challenges, and solutions.
- Robotics and Automation: Enhancing productivity and efficiency in manufacturing.
- Additive Manufacturing (3D printing) and its impact on production processes.
- Augmented Reality (AR) and Virtual Reality (VR)
- Cloud Computing and Edge Computing for real-time data analysis and decision-making.
- Human-Machine Interaction and Collaboration in Industry 4.0.
- Case Studies and Success Stories: Implementations of Industry 4.0 in various industries.
- Regulatory and Ethical Considerations in Industry 4.0 adoption.
- Skill Development and Workforce Transformation for Industry 4.0.
- Funding and Investment Opportunities in Industry 4.0 initiatives.
- Future Trends and Emerging Technologies.

Who Should Attend?

- Industry leaders and decision-makers seeking to understand the potential of Industry 4.0 and its implications for their organizations.
- Technology providers offering innovative solutions and services for Industry 4.0 implementation.
- Policy-makers and government officials involved in shaping the regulatory framework and supporting the adoption of Industry 4.0 initiatives.
- Researchers and academics interested in sharing their findings and exploring new avenues of research within the Industry 4.0 domain.





PHD CHAMBER
OF COMMERCE AND INDUSTRY

About Us

PHD Chamber of Commerce and Industry (PHDCCI) has been working as a catalyst for the promotion of Indian industry, trade and entrepreneurship for the past 118 years. It is a forward looking, proactive and dynamic pan-India apex organization. As a partner in progress with industry and government, PHDCCI works at the grass roots level with strong national and international linkages for propelling progress, harmony and integrated development of the Indian economy.

PHDCCI, acting as the “Voice of Industry & Trade” with a large membership base of 1,50,000 direct and indirect members consisting of large, medium and small industries, has forged ahead leveraging its legacy with the industry knowledge across multiple sectors to take Indian Economy to the next level.

At the global level, we have been working with the Embassies and High Commissions in India and overseas to bring in the International Best Practices and Business Opportunities.

PHD Chamber has special focus on the following thrust areas:

- Economic & Business Policy Advocacy
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- Infrastructure
- Housing
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- Education & Skill Development
- Agriculture & Agri-business
- ICT
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