



# Making MSMEs globally competitive with Digital

Presented by:

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**NASSCOM®**  
**Center of Excellence-IoT & AI**  
A MeitY Initiative with Govt. of Karnataka, Haryana, Gujarat & AP

# The pace of Industry 4.0 adoption is uneven across manufacturing enterprises of different scale in India

## Where are we today

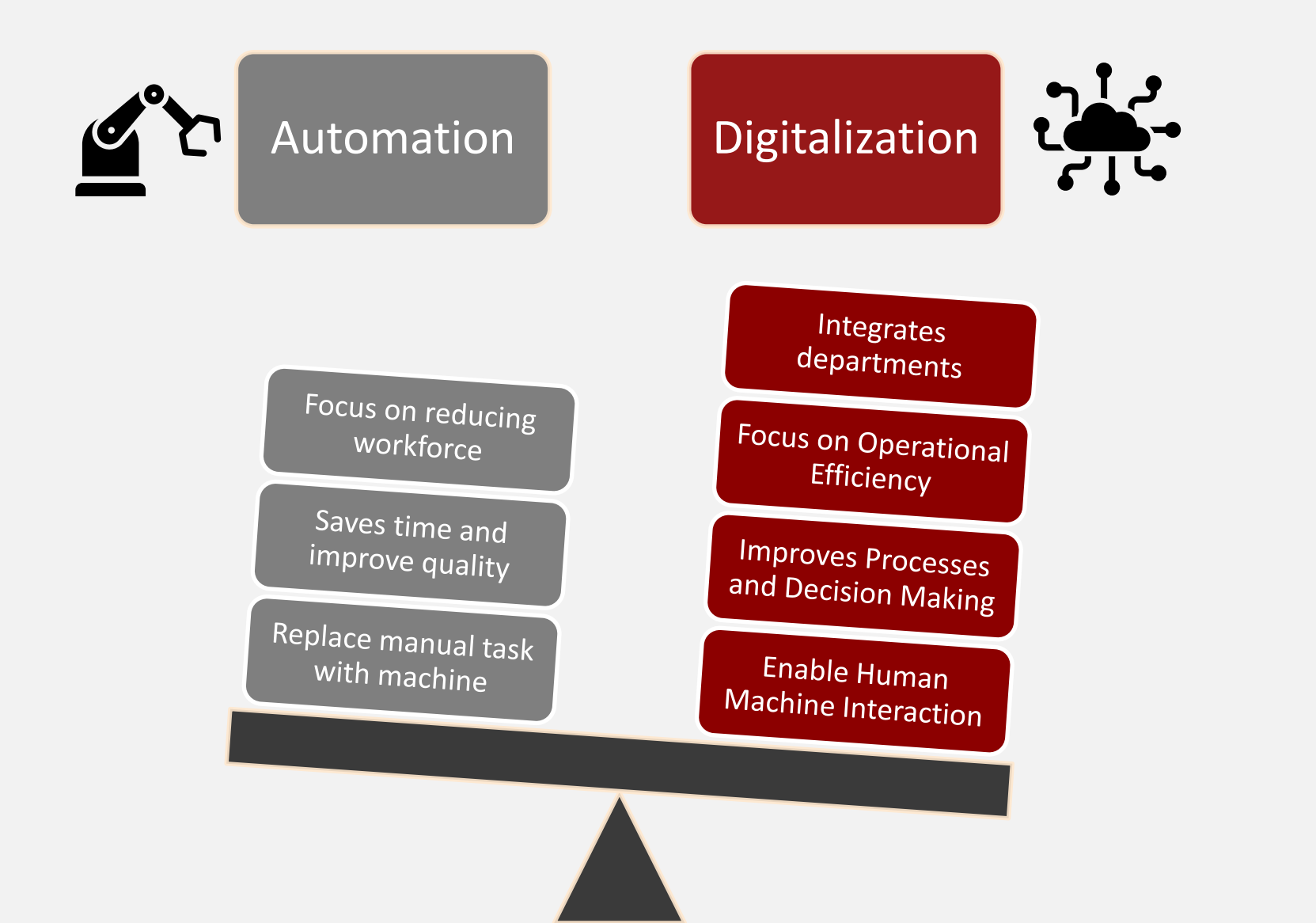
- Disparity of Industry 4.0 adoption
- Too much focus on automation vs digitization
- Uncertainty bringing new set of manufacturing constraints
- Digitization initiatives being driven by short term challenges
- Lack of standardization in the adoption approach

## Questions we have

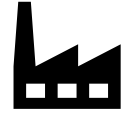
- Where should I start, what are current gaps and future opportunities
- Do I have right infrastructure for digital
- Do my digital initiatives link with cost pattern and long-term business objectives
- I have started in one area, but not clear if it will give return. I am not sure where to focus next?

# Many of us find Automation as similar as Digitalization

“It is much more than replacing human with machines...”



# Manufacturing has come to an era of Industry 4.0, where Innovation thrives...



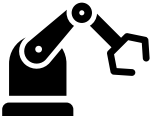
## Industry 1.0 Mechanization

Production using steam versus manual craft work



## Industry 2.0 Electrification

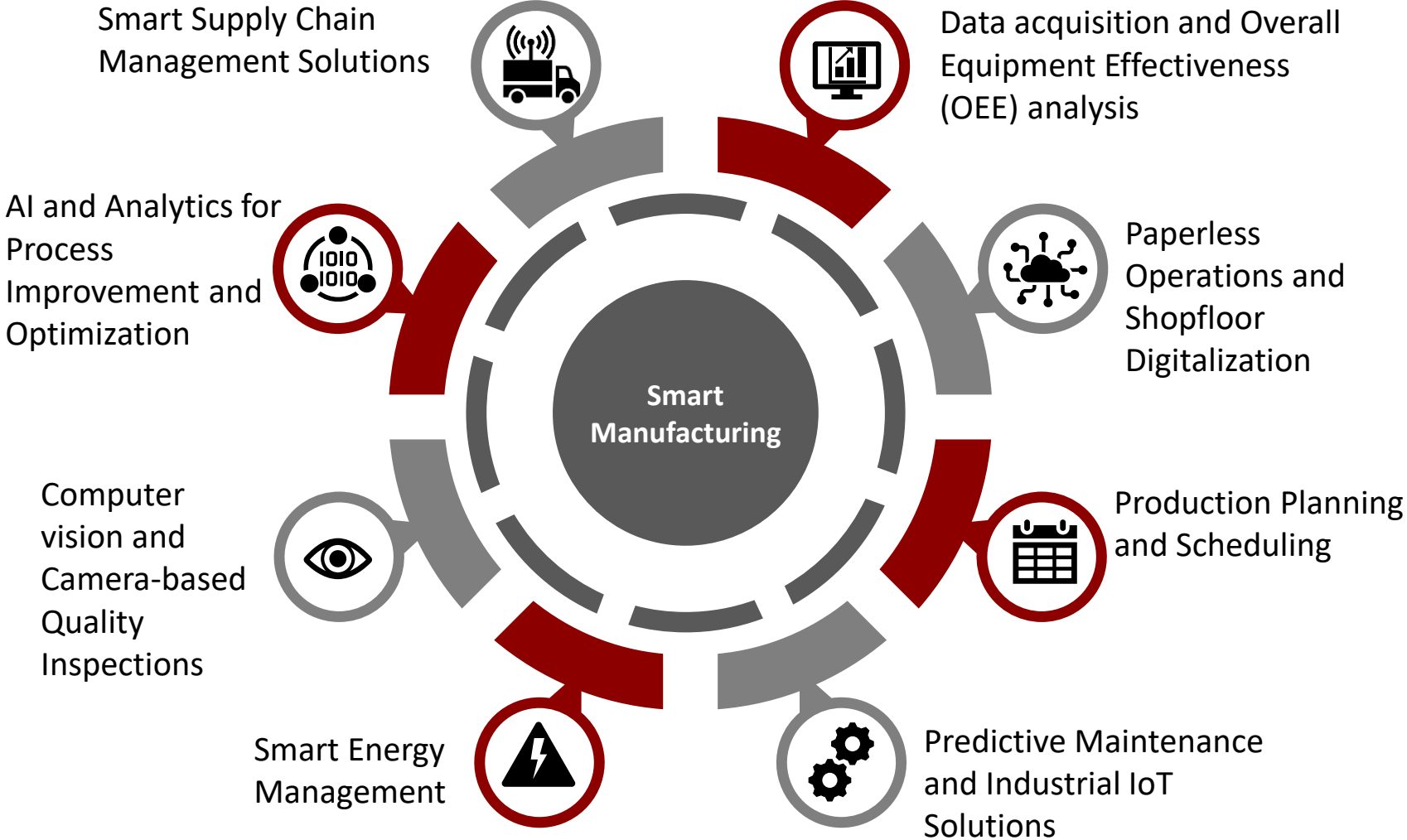
Assembly lines powered by Electrical Energy



## Industry 3.0 Automation

Usage of Electronics and computers with robotics

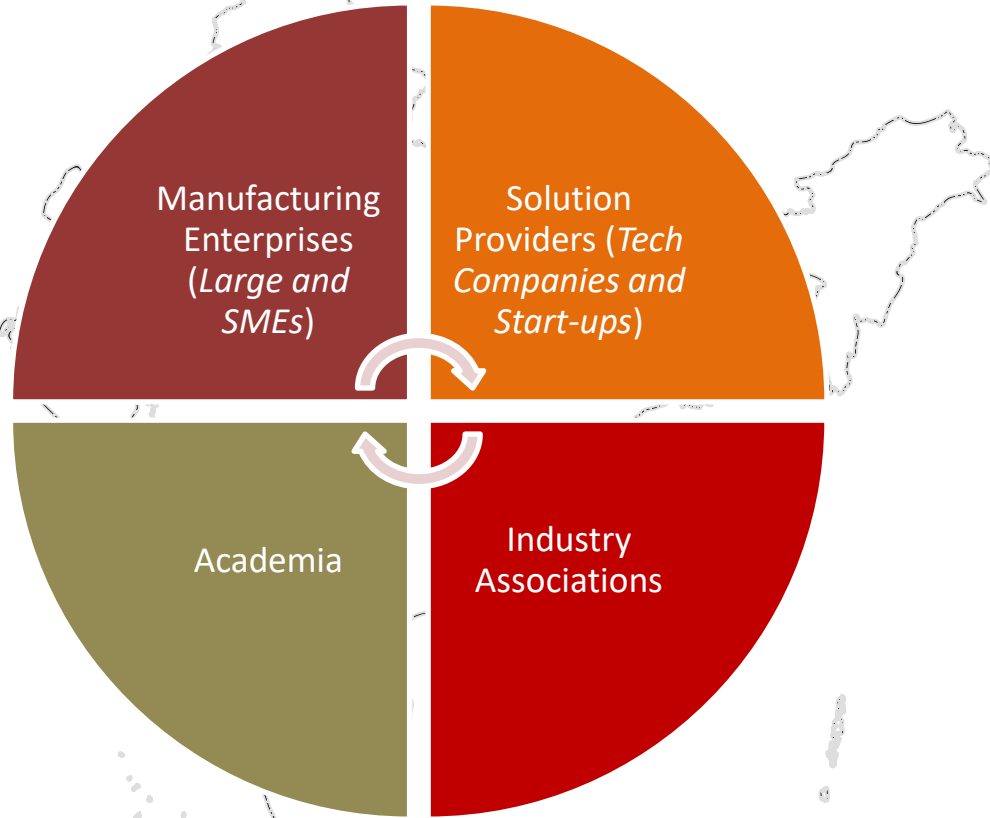
## Industry 4.0 - Smart Manufacturing



# Largest deep tech innovation ecosystem in India for Manufacturing Digitization



Go to place for manufacturing Enterprises to co-create AI & IoT led digital technologies by working with innovative solution providers and academia



**500+**

**Manufacturing Enterprises**

**600+**

**Solution Providers**

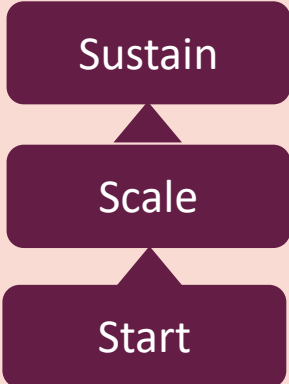
**30+**

**Industry Partners**

**15**

**Academia Engaged<sup>5</sup>**

# Ecosystem for Building Future Ready Digital Enterprises



UDYAM 4.0 Smart Manufacturing Forum is an initiative of NASSCOM CoE to enable Manufacturing MSMEs and select large enterprises (with turnover less than INR 1000 Crore) to LEAD (Learn, Evaluate, Adopt and Deliver) in adoption of Industry 4.0 solutions for

- Optimizing operations,
- Maximizing capacity utilization
- Building resilient supply chain

For more information visit -

<https://www.youtube.com/watch?v=dmXikJddU>

## Forum Benefits:

### 01 Skill & Capacity building

Make your workforce future ready: Skill building sessions for employees across all the levels of the organization

- Interactive Masterclasses for business owners and leaders
- Capability Building Sessions for Managers
- Access to repository of case studies and use cases

### 02 Handholding for your digital journey

- Evaluate the digital readiness of your organization through Digital Maturity Assessment
- Advisory support for building digital roadmap and implementation of solutions
- Dedicated meetings with trusted and innovative solution providers
- Mentorship support by experienced leadership from large organizations

### 03 Branding & Market Reach

- Opportunity to establish your identity as a Smart Manufacturer
- Talk about your success with peers and senior industry leaders
- Get recognized for your successful digital implementations

Get 365 days – 24 X 7 access to Smart Manufacturing Competency Center a virtual platform for manufacturing leaders to experience end to end smart manufacturing solutions



# Thank You



NASSCOM Center of Excellence

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