

# Building Digital Factories



Ahmedabad  
University

digi<sup>x</sup>L.T



A Leadership Programme  
for Manufacturing  
SMEs of India

---

Transition from Traditional  
Manufacturing to Smart Factories

About the

# Programme

Indian manufacturing SMEs are at a critical inflection point. As global supply chains demand higher throughput, real-time visibility, and consistent quality, the gap between digitally saksham manufacturers and traditional operations is widening rapidly.

Many SMEs continue to rely on manual, experience-driven processes that limit their ability to scale, respond with agility, and meet evolving customer expectations. This is no longer just an operational challenge; it has a direct impact on revenue growth, margin performance, and the ability to win and retain global business. Increasingly, export opportunities are shifting toward competitors who can demonstrate data-driven operations, transparency, and reliability.

**Building Digital Factories** is designed to address this gap.

This executive leadership programme equips manufacturing leaders with a structured pathway to transform their operations into digitally enabled factories. It goes beyond awareness, focusing on building internal capabilities to lead and execute digital transformation initiatives with confidence.

## The Programme Uniquely Combines

- Practical understanding of digitalisation in a manufacturing context
- Leadership capability to drive change across the organisation
- A structured, step-by-step roadmap for digital adoption
- Consultative handholding to translate learning into real implementation

Participants will not just learn what digital transformation is, but also how to apply it within their own factory environment.

## Objectives

- To enable SMEs to build in-house digital capabilities
- Make informed technology decisions
- Drive their own transformation journey towards becoming agile, competitive, and future-ready manufacturing enterprises



[www.ahduni.edu.in](http://www.ahduni.edu.in)

## Who is this Programme For?

This programme is specifically curated for the leadership teams of manufacturing, small and medium enterprises (SMEs), in india who are keen to transform digitally. Specifically:

- CEOs and operations heads who need to navigate the complexities of Industry 4.0 and AI
- Next-generation leaders and executives taking over established manufacturing firms who want to modernise the "factory floor" and business model
- Business owners and founders looking to professionalise their family-run firms and scale beyond their personal day-to-day oversight
- Decision makers responsible for capital allocation and long-term strategic growth within a manufacturing context

## Pedagogy

- Simulations and exercises
- Curated manufacturing case studies
- Visit to factories to experience the live solutions
- Strong focus on hands-on tools
- Multiple workshops on innovation, design thinking and building digital roadmap
- One-on-one handholding on planning digital initiatives, executing pilot projects and assessing ROI
- Sessions focused on ideas of digitalisation concepts, leadership, digital systems and applications

## Programme Benefits

- Ahmedabad University alumni status with on-campus student benefits
- Diverse peer-to-peer network
- Building digitalisation and leadership skills, followed by adoption
- Academia-Industry collaboration
- Inquiry-led learning environment

## Learning Outcomes



Digital  
Capability



Global  
Competitiveness



Increase  
Throughput



Raise  
Productivity



Market  
Expansion

# Learning Journey

Phase 1 (4 months)  
Capability Building

## Learn

Campus + Online	72 Hours 10 Weeks	Leadership Skills Digital Skills Change Management 5 Days Campus + 8 Weeks Online
-----------------	----------------------	--

## Experience

Industry Visit	16 Hours 1 Week	Expert Debrief
----------------	--------------------	----------------

## Strategise

Campus	24 Hours 1 Week	Design Thinking Workshop Building Digital Roadmap Innovation Workshop
--------	--------------------	---

## Plan

Plant + Online	24 Hours 8 Weeks	Plant Visit Digital Maturity Assessment Digital Transformation Roadmap
----------------	---------------------	--

## Pilot

Online	12 Hours 8 Weeks	Proof of Concept Definition Vendor Selection Solution Deployment
--------	---------------------	--

## Scale

Online + Campus	24 Hours 8 Weeks	Impact Assessment Strategy Refinement Budget Planning 2 Days Campus
-----------------	---------------------	--

Phase 2 (6 months)  
Adoption (One-on-one Handholding)

# Course Modules

## Phase 1 (4 months)

### Digital Transformation

- Digital Transformation in Manufacturing - Current state and opportunities
- Digital Technologies - AI, IoT, Cloud, Analytics and Digital Twin
- Building Data Strategy
- Digital Systems and Platforms
- Setting up a Digital Foundation with the right infrastructure
- Supply Chain Digitalisation
- Planning and Inventory Optimisation

### Leadership Transformation

- Global Trend Shaping Manufacturing
- Understanding Value Creation in Manufacturing
- Strategic Positioning in Manufacturing
- Building A Reliable Customer and Order Management Process
- Diagnosing Factory Performance Using Data
- Build Your Own Performance Board Using AI

- Smart Production Planning and Monitoring
- Digitalising Quality and Lab Management
- Digitalising Maintenance Planning and Execution
- Digital Asset Management
- Workforce Productivity, Compliance and SOP Management
- Digital Security in Manufacturing (IT and OT)
- Building Long-term Digital Strategy

- AI In Supply Chain
- Building Quality into Manufacturing Process
- Innovation In Manufacturing
- Executing Successful Digital Transformation
- Professionalising The Organisation
- Managing Shop Floor Performance
- Sustainability With Digital Technology
- Leadership Communication



## Phase 2 (6 months)

Digital Adoption Journey  
(Plan → Pilot → Scale)

Plant visit

Digital Maturity Assessment (at the plant)

Building Digital Strategy (online)

Defining and Implementing Pilot Solutions (online)

ROI Assessment (online)

Group Learning (online)

Building Strategic Thinking and Scaling (on campus)

# How to **Enrol**

**Programme Commences on  
AUGUST 2026**

## **Programme Fee**

**Phase 1 : Capability Building  
INR 1.8 Lakhs + GST**

### **Includes**

- Eight days of on-campus learning (Ahmedabad university campus)
- Four days of live online learning
- Two days of industry visit and debriefing
- Learning material, LMS access, campus facilities, on-campus food and beverage

### **Excludes:**

- Travel, accommodation, and living Expenses for the programme and The industry visit.

- Submit the online application and pay
- Receive the offer from executive education
- Complete the admission formalities and Gain access to university resources
- Pay the phase 1 programme fee
- Meet the programme requirements to Earn the phase 1 certificate
- Pay the phase 2 programme fee

**Total Fee  
INR 5.2 Lakhs + GST**

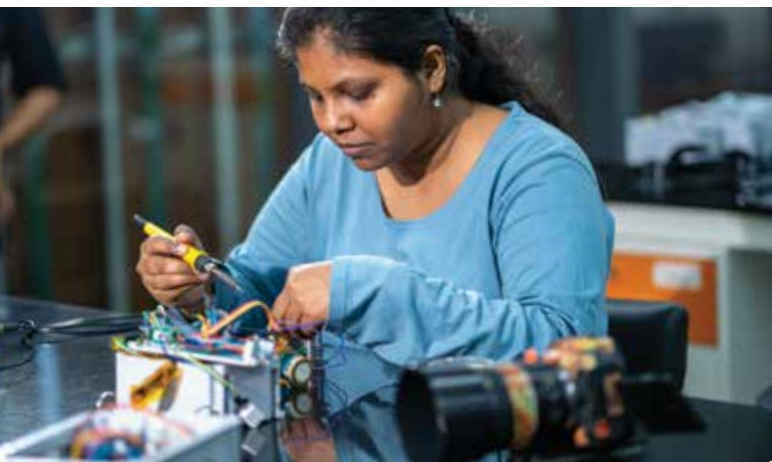
**Phase 2 : Adoption  
INR 3.4 Lakhs + GST**

### **Includes**

- One-on-one consulting sessions spread over six months for handholding on digital adoption
- Digital maturity assessment of the plant and building transformation roadmap
- Two days of on-campus learning (ahmedabad university campus)
- LMS access, campus facilities, on-campus food and beverage
- Planning activities for adoption - 24 hours scheduled over two months
- Pilot project for a factory - 12 hours of handholding scheduled over two months
- Scaling up for a factory - 16 hours scheduled over two months
- Learning material, tools and expert/faculty consulting time

### **Excludes:**

- Travel, accommodation, and living expenses for the programme



# Executive Education Faculty



## Niraj Athavle

Professor of Practice  
of Management  
Amrut Mody School  
of Management  
PGDM (IIM Bangalore)



## Rakesh Godhwani

Founder  
School of Meaningful  
Experiences



## Amrita Bihani

Assistant Professor and  
Assistant Director  
Family Business and  
Entrepreneurship Programme  
Amrut Mody School  
of Management  
PhD (CEPT University)



## Nilesh Jain

Associate Professor  
Amrut Mody School  
of Management  
PhD (Indian Statistical  
Institute, Delhi)



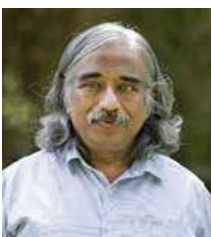
## Pankaj Chandra

Professor, Vice Chancellor  
and Chairman  
Board of Management  
PhD (The Wharton School,  
University of Pennsylvania)



## Shobha Das

Dean and Professor  
Amrut Mody School  
of Management  
PhD (University of Minnesota)



## Amit Das

Professor and  
Senior Associate Dean  
Graduate Programmes  
Amrut Mody School  
of Management  
PhD (University of Minnesota)



# Executive Education Faculty



## Sunil Kale

Professor and Dean  
School of Engineering and  
Applied Science

PhD (Stanford University)



## Devanath Tirupati

Professor and  
Executive Provost

PhD (Massachusetts Institute  
of Technology)



## Samvet Kuril

Assistant Professor  
Amrut Mody School  
of Management

PhD (IIM Ahmedabad)



## Vibha Tripathi

Assistant Professor  
Amrut Mody School  
of Management

PhD (Gujarat University)



## Rahul Pandey

Co-founder  
CLE Trust



## Amit Saluja

Managing Partner  
digiXLT Consulting LLP



## Sandeep Salunke

Professor and Associate Dean  
Amrut Mody School  
of Management

PhD (University of Queensland)



# Leadership Speaks



## Amit Saluja

Managing Partner  
digiXLT Consulting LLP

“Indian manufacturing is expanding, but growth will not come from adding capacity alone. We need to make our industries, especially SMEs, globally competitive by maximising efficiency and utilising capacity more effectively through technology. In my experience, the biggest barrier to digital transformation is not intent, but the lack of internal capability to execute. This 10-month programme journey is designed to bridge that gap by combining structured learning with hands-on handholding, enabling organisations to move from intent to implementation and build truly data-driven factories.”



## Nilesh Jain

Associate Professor  
Amrut Mody School  
of Management

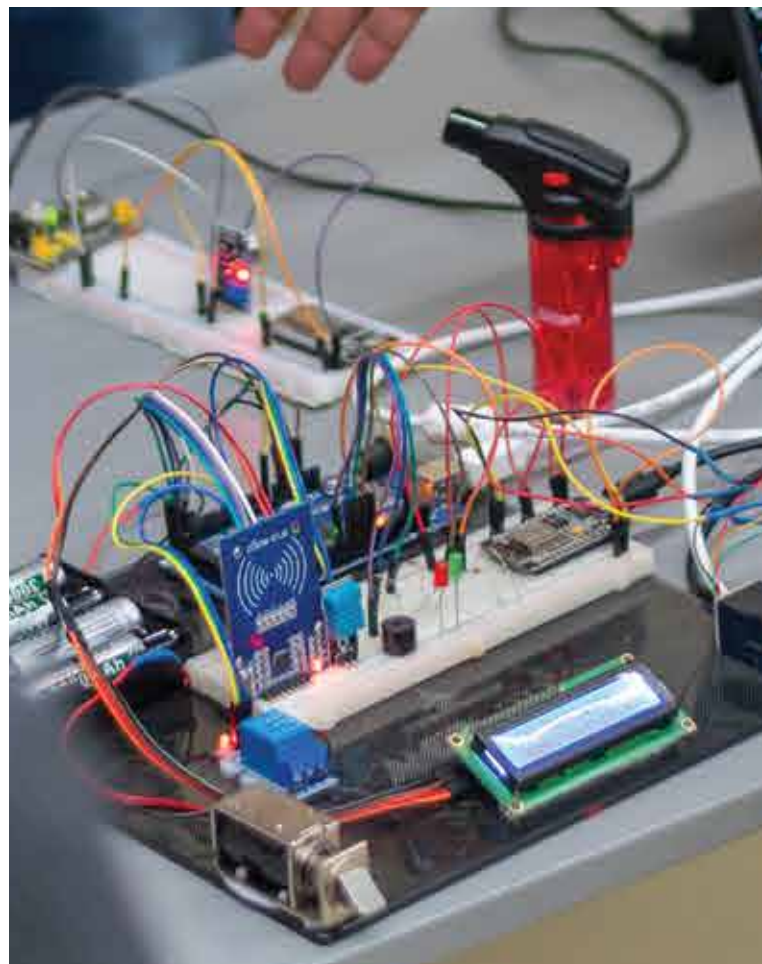
“The next phase of manufacturing leadership will be defined by those who can integrate strategy, technology, and execution. This programme, in partnership with Ahmedabad University and digiXLT, offers a unique learning experience to help leaders build that capability through systems thinking, technical understanding, data-driven decision making, and organisational discipline.”



## Sandeep Salunke

Professor and Associate Dean  
Amrut Mody School  
of Management

“Every successful manufacturing SME begins its digital journey by investing in people. This programme helps you develop the mindset to embrace change, apply the right toolset to modernise day-to-day operations, and sharpen the skillset required to drive sustainable, digitally powered growth and competitiveness.”





**Ahmedabad  
University**

## **About Ahmedabd University**



Ahmedabad university is a private, non-profit research university that offers students a liberal education focused on interdisciplinary learning and research thinking. Our liberal arts education moulds independent thinkers and passionate leaders who go on to engage innovatively with the complex challenges of our societies. As a research university, we are committed to the discovery of new ideas, and to the belief that good theory results in good practice.

Ahmedabad university was established in 2009 by the ahmedabad education society to offer a world-class academic experience in one of india's most vibrant and livable cities. With a centrally located campus and internationally renowned faculty, it offers one of the most stimulating academic environments in the country. As a comprehensive university, ahmedabad university offers undergraduate, graduate and doctoral studies in areas such as engineering, humanities, management, natural sciences, and social sciences.



## **Our Industry Partner**

digiXLT works with manufacturing enterprises to accelerate their digital journey using structured tools and practical approaches. We bring together expertise in manufacturing operations, process improvement, and emerging digital technologies to enable measurable improvements in productivity, quality, and operational efficiency.

At digiXLT, our core values are driven by purpose, innovation, and empathy, with a focus on cost-effective solutions that are easy to adopt, even at the shopfloor level. Our objective is to enable small and medium enterprises to become self-reliant, empowering leadership teams to make informed decisions and confidently drive digital initiatives.

We believe in building the future of manufacturing where technology is not a privilege for a few, but a power for many. Our mission is to transform traditional factories into smart, agile, and future-ready enterprises by making digital transformation simple, practical, and accessible.





# Executive Education Participants



Ahmedabad  
University

# BOARD OF MANAGEMENT



**PANKAJ CHANDRA**

Vice Chancellor



**SHOBHA DAS**

Dean  
Amrut Mody School of Management



**RAJESH GOPINATHAN**

Professor of Practice  
Indian Institute of Technology  
Bombay



**ANJANI JAIN**

Deputy Dean  
Academic Programs  
Professor in the Practice of Management  
Yale School of Management



**KAUMUDI JOSHIPURA**

Dean  
Bagchi School of Public Health



**SUNIL KALE**

Dean  
School of Engineering and  
Applied Science



**DARSHINI MAHADEVIA**

Professor  
School of Arts and Sciences



**NAISHADH PARIKH**

Chairman and MD  
Equinox Solutions Limited



**RAGHAVAN RANGARAJAN**

Dean  
School of Arts and Sciences



**DEVANATH TIRUPATI**

Executive Provost



**S SADAGOPAN**

Former Director  
Indian Institute of Information  
Technology Bangalore



**SANJAY GOKHALE**

Registrar  
Member Secretary



Ahmedabad  
University

digi<sup>x</sup>L.T



# Building Digital Factories

## GET IN TOUCH

Ahmedabad University  
Commerce Six Roads  
Navrangpura, Ahmedabad 380009  
Gujarat, India

[execed@ahduni.edu.in](mailto:execed@ahduni.edu.in)  
+91.9558808190

