Manufacturing Technology Training
An IMTMA initiative

Artificial Intelligence for Smart Manufacturing
Date : 10 to 11 June, 2025
Venue : IMTMA Technology Centre, Bengaluru

INTRODUCTION

Industry-wide, manufacturers are facing a range of challenges that make it difficult to speed production while still providing high-value and high-quality products to their customers. The goal of manufacturing is to provide consistent high quality at the lowest cost and fastest speed. Consequently, the biggest challenges revolve around how to deliver dependably high-quality products while keeping costs low and manufacturing at a rapid pace.

Industrial Artificial Intelligence can impact manufacturers by offering cost savings, increased revenue, increased productivity, personalized customer experiences, and increased sales effectiveness.

A report from Mckinsey suggests that AI adoption “front-runners” can anticipate a cumulative 122% cash-flow change, while “followers” will see a significantly lower impact of only 10% cash-flow change

We believe that there are two options with Manufacturing Organizations

- Become Early implementers of AI and reap the benefits
- Be laggards and lose the competitive advantage

AI is not a choice , it’s a necessity to remain in business

Artificial Intelligence has been steadily extending its influence over businesses around the world, which has created a steady demand for AI professionals. While the focus has been on the opportunities available for qualified professionals, their efforts still need to be directed towards specific business outcomes. The glut of emerging AI professionals needs to be effectively leveraged to maximise their productivity and optimise the manufacturing process.

The program is suitable for non-tech business professionals who are looking to leverage the power of AI in their day-to-day decision making. The program focuses on conceptual and real-world case-based approach which helps to simulate working scenarios where AI can be adopted to improve the manufacturing process

FOCUS AREAS

- Introduction to AI – through data
- Supervised Learning
- Unsupervised Learning
- AI in practice – Case studies on Supply Chain, Maintenance, Yield Optimization etc

KEY TAKE AWAYS

- Understand enough AI to be able to make important choices and decisions
- Develop the ability to identify scope and manage projects in AI
- Deliver transformative projects to external and internal clients and stakeholders
- Identify the unlimited number of sources for improvement in a Manufacturing Set up
- Complete visibility into the entire manufacturing process from AI perspective, from supply to the end customer, in order to get a 360 degree view and truly optimize the outputs

PARTICIPATION FEE

Rs. 10450/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 415/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

FACULTY

This programme will be conducted by **Dr.J.B.Simha.**

Dr.J.B.Simha, AI implementation advisor at Numentrix Consulting. He is a Post Graduate in Maintenance Engineering and his PhD is in building Decision Support systems for Manufacturing. He is recognized as one of the top 10 experts in Data Science by Analytics Magazine, India. He has more than 25 years of experience in the development of AI based systems for manufacturing, telecom, health care and Process industries.

For Registration Contact

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on ‘First Come First Serve’ basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.