

INTRODUCTION

Robots are increasingly getting deployed and integrated into Manufacturing Automation in whole range of Indian Industry ranging from MSMEs to large scale mass-production OEM. Robots are becoming game changers in variety of application domains; ranging from simple pick & place automation to Laser Cutting, from Press Line Automation to Welding, from machining to metrology. While Robots used to be standalone additions for material handling automation Only: now they are getting integrated with adaptive system and they work in tandem with other Robots and human operatives.

FOCUS AREAS

- Robotic vs Manipulator based Automation
- Types of Robots, Cobots and specification of Robots
- Augmentation of Robots, Additional axes, Vision system, Force Sensors, programmed vs adaptive automation
- Demo of pick and place Robot and visit to Robot Manufacturing Shop*
- Applications of Robots for: Welding, Laser Cutting Laser Welding, Hardening & Cladding, Automation of Press Line, BIW Line, Paint Shop, Use of Robots for Machining
- End Effectors for Robotic Automation
- CAM for Robots and Simulation of Robots in tandem
- Project execution case study for Robotic Automation

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

- Understand the various applications of robots in manufacturing
- Implement robot automation in the right way
- Go through techniques and case studies about automation using robots
- Understand Robot programming, usage and maintenance

PARTICIPATION FEE

Rs. 7500/-
+18% GST
**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students**

Rs. 8500/-
+18% GST
IMTMA Non Members/ Others

PARTICIPANT PROFILE

This programme will benefit CEOs, Senior Management team as well as Engineers in the functions of Purchase, Design, Production, Planning, Engineering, Stores & IT related functions. This programme will immensely benefit proprietors & owners of Small & Medium Enterprises, machine tool manufacturing units and tool rooms.

FACULTY

This program will be conducted by **Mr. Ramadas R Nambi, Mr. Maheswaran, and Industry Experts from TVS Motor, Di Facto Robotics & Automation, MAC Machine Tools & Automation, and Schunk Intec.**

Mr. Ramadas R Nambi is having 30yrs of industry experience. He is a multi-talented engineer with a strong background in Sales, Business Development, Application- Engineering, Robot System Engineering, Customer- Servicing, Develop and Impart Technical Training to Engineers.

Mr. Maheswaran is having more than 12 years of experience in Technical Training and has acquired expertise in CNC manufacturing and Automation in precision manufacturing of components as well as experience in conducting training programs. He has imparted training in CNC, CAD/CAM, Robot, GD&T, Pneumatics & Hydraulics for more than 500 engineers. Prior to working at IMTMA, he has worked at NTTF, Bangalore as a Senior Training Officer. At IMTMA, as Senior Executive officer, his role is to impart hands-on training for young engineers making them Industry ready and industry professionals to enhance their knowledge.

For Registration Contact

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