



## INTRODUCTION

Servo Technology has been conventionally been a part of CNC Machines. But with development of General Purpose Servos, this technology is spreading very rapidly and widely used in various applications of Motion Control across many kinds of Industrial Machinery. Servo is fast replacing conventional motion systems like Oil Hydraulic / VFD controlled Motors / Pneumatic etc. due to its highly intelligent features and total programmability. This Program gives an overview of Servo Motor technology, usage of Motion Control in industrial machines and applications and cover major aspects of servo technology & general purpose servos.

Keeping this in mind, IMTMA is organizing an online training programme on Servo technology for Industrial motion control.

## FOCUS AREAS

- Requirement of servo motion in automated controls
- Torque speed characteristics
- Overview of Servo control system
- Servo System Parts
- Specifications of Servo
- Types of Motions - Position Mode / Speed Mode / Torque Mode
- Homing concepts of last motion
- Macro Level understanding of Servo Sizing, including "Load" for different applications
- Comparison of general purpose servo and CNC servo
- Some Intelligent Applications

## KEY TAKE AWAYS

- Macro Level Understanding of Servo Technology
- Role of Servo Technology in Today's intelligent and High Speed Motion Controls in Machines
- Know about usage of servo for motion control in Industrial machines
- Know about various application of Servo
- Demonstration on TIA (total integrated automation) portal on programming of servo system, communication with Profinet protocols, parameterization of servo drive, setting of soft limits of the servo drive connected slide, configuration of interrupt inputs to a servo drive, commissioning & diagnosis of servo drive, checking the system with physical servo drive

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 4000/-**

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/  
Educational Institutions / Students/ IMTMA Non  
Members/ Others**

**USD 120/-**

**Overseas Participants**

## FACULTY

This programme is conducted by **Mr. Anil Purohit & Mr. Anil Kumar Meti.**

**Mr. Purohit** is an Electrical engineer, with more than 40 years of Industrial Experience in field of Machine Control Systems, Automation products & solutions, machines & test rigs building, intelligent and high speed motion controls with servo. Presently he is working as Director at Leonardo Automation India Pvt Ltd and ETA Technology Pvt. Ltd. Bangalore.

**Mr. Anil Meti**, a Mechanical engineer by profession, is working with IMTMA - Training, taking care of Industrial automation training. He comes with 8 years of professional experience and prior to IMTMA worked in industries such as RR Steels and Hunet technology.

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