

Last date for registration 10 December 2026

INTRODUCTION

In depth understanding of Hydraulics & Pneumatics systems is mandatory for assembly and maintenance engineers. This will help minimize/eliminate the downtime of a machine or equipment related to Hydraulic and Pneumatic systems to ensure smooth functioning and uninterrupted production. This program will focus in-depth understanding of Elements of Hydraulics circuits, Preventive Maintenance Procedures, and Safe Trouble Shooting Practices.

Keeping this in view, IMTMA is organizing hands-on training on **Maintenance and Trouble Shooting of Hydraulic and Pneumatic Systems**.

FOCUS AREAS

- Function of hydraulic components - Pumps, DC Valves, Cylinders, Motors and Reservoirs
- Symbols and circuit diagrams
- Hydraulic circuits using elements - DC valves, Check valves, Pressure control, and Flow control valves
- Hydraulic technology in Machine Tools – case studies
- Energy-saving measures in Hydraulic power packs
- Maintenance and Troubleshooting of Hydraulic circuits; Safety procedures and practices; Case studies
- Hands-on exercises on Hydraulic trainer kit
- Hands-on Dismantling and reassembly of Hydraulic elements

KEY TAKE AWAYS

- Understand Hydraulic elements & Pneumatic elements
- Understand to read the hydraulic and pneumatic circuit
- Adopt preventive maintenance procedure for Hydraulic systems
- Troubleshoot Hydraulic circuits in systematic manner
- Analyze probable failures related to critical hydraulic elements
- Do assembly and disassembly of power pack

PARTICIPATION FEE

Rs. 4999/-
+18% GST
**IMTMA Members/ Micro
Companies/ Individuals/
IMTMA Non Members/
Others**

Rs. 2500/-
+18% GST
Professors

Rs. 999/-
+18% GST
Student

USD 200/-
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, IMTMA Subject Matter Expert.

For Registration Contact

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Contact Address



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.