

# Maintenance Troubleshooting & Design of Hydraulics &

**Pneumatics Systems** 

Date: 19 to 21 January, 2026

Venue: IMTMA Technology Centre, Bengaluru

#### Last date for registration 12 January 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 an equipment related to Hydraulic and Pneumatic systems. This program will focus on an overview of Elements of Hydraulics circuits, Preventive Maintenance Procedures, and Safe Trouble Shooting Practices.

Keeping this in view, IMTMA is organizing 3-day Offline programme on 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 and pneumatic circuits using elements DC valves, Check valves, logic 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.
- Practical on Hydraulic and pneumatic trainer kit and Dismantling and reassembly of Hydraulic elements.

#### **KEY TAKE AWAYS**

## After undergoing the program, the participants will be able to learn

- Understand Hydraulic elements & Pneumatic elements
- Understand how to read the hydraulic and pneumatic circuit
- Adopt preventive maintenance procedure for Hydraulic systems
- Troubleshoot Hydraulic circuits in a systematic manner
- Analyze probable failures related to critical hydraulic elements.

## **PARTICIPATION FEE**

Rs. 13750/-

+18% GST

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

**USD 550/-Overseas Participants** 

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

## PARTICIPANT PROFILE

This programme will benefit Engineers & members from Design, Production, Planning, Engineering and Maintenance functions of manufacturing industries. This programme will cover from basics of hydraulics & Pneumatic Circuits to their maintenance & troubleshooting with hands-on practice.

#### **FACULTY**

This program will be conducted by Mr. Ganapathy Bhatta A S

Mr. Ganapathy Bhatta is a Mechanical Engineer and an employability expert having 38 plus years of experience as an enabler and a passionate technical trainer in imparting and organizing technical training for newly recruited technical personnel and experienced Industrial employees and instrumental for many of them to become senior executives and entrepreneurs in India and abroad. Has worked in M/s. LMW. GKDITR in Coimbatore, NTTF, Bangalore, M/s. Maruti Suzuki, Gurgaon, M/s. Triveni Turbines Bangalore.

During his tenure, he has trained more than 10000 full-term technicians and Engineers and helped them to successfully establish their careers. Today, his trainees/students are working globally in multinational companies and many of them have become successful entrepreneurs and carrying out successful businesses in India.

## **For Registration Contact**

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