

JTP 104 - Training Programme on Mechatronics and Automation

Learning Outcomes

- Identify and describe the operation of pneumatic, electro pneumatic, sensors, electrical and PLC components.
- Interpreting technical specifications and data relating to pneumatic, electro pneumatic, sensor, electrical and PLC components.
- Knowing innovative development and current trends in automation products and their application.
- Understanding how workflow automation is carried out in an automated continuous process.

Contents

- Need for modular manufacturing system
- Modules of MMS
- Operation of Pneumatic, electro pneumatic, sensors, electrical and PLC components
- PLC Programming
- Assemble and test basic Mechatronics circuits (pneumatic, electrical, and software)
- Install or replace, and commission pneumatic, electro pneumatic, sensor, electrical and PLC hardware components
- Troubleshooting

Evaluation

Online Examination

Eligibility

Basic Technical Knowledge

Target Group

Institute - Student, Faculty

Industry - Design (Engineer / Manager) / Trainer

Duration

4 days

Training Materials

Used for Training

- Multimedia Presentation / DIY kits /Magnetic Symbols
- JASP - Product Animations /Pneumatic and Electro Pneumatic Trainer Kits
- Dynamic Product Display / MMS

Handout to Participants

- Courseware, Participation certificate