

**Course Overview:**

in this course you will understand the automation control & process characteristics, Determine application of various type of measurement devices & control equipments, Determine relevant industry codes, standards, documents and guidelines to apply ie: palm oil, oleochemical industries, Practical knowledge about instrumentation & control valves, How to install process equipment correctly

**Course Objective:**

- Latest technological advances in process monitoring, control and automation.
- Understanding of control systems in the plant
- Improve plant productivity

**Course Outline:**

- Basic concepts in Instrumentation & control
- Definitions o Overview of Pressure, levels, temperatures and flows
- Introduction to Instrumentation & Process Control
- Introduction to Process Control & loops
- Process Characteristics
- Pressure Measurements
- Level Measurement
- Flow measurement
- Introduction to Instrumentation
- Process Measurement
- Understanding of PID

**Who Should Attend:**

- Non Instrument related personnel
- Mechanical & process technicians
- Chemical & Process trainee engineers
- All personnel involved in the design, selection, operating, maintenance, troubleshooting, repair operations.
- All maintenance, engineering, operations personnel involved in improving reliability, conditioning monitoring and maintainability of process equipment and systems

**Training Language:**

EN / AR

**Training Methodology:**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation