

**Course Overview:**

To supply the participants with the basic and advanced tools that is used in the operation and maintenance of valves.

**Course Objective:**

To supply the participants with the basic and advanced tools that is used in the operation and maintenance of valves. Moreover, to help them to select the proper valves types suitable for some selected application and to know how to size and select the valves and perform the mechanical procedures from the first beginning. Several case studies will be available and the participants are highly requested to share these activities for the sake of improving their skills and improve their monitoring techniques. The course will educate the participants of preparing the maintenance charts and issue PM (preventive maintenance) programs and write periodic reports of such activities for the project evaluation technique.

**Course Outline:**

- Introduction to valve and valve technology
- Valve types
- Valve classification
- Valve construction details
- Gate Valves
- Ball Valves
- Diagram of Valve
- Plug, Globe, Butter Fly, Angel, Needle and Other Valves Category
- Noise level and Control
- Maintenance of Valves
- Control Valves.

**Who Should Attend:**

Mechanical and Electrical engineers working in the operation and maintenance of different types of valves, that is available in industry.

**Training Language:**

EN / AR

**Training Methodology:**

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