







OFFICE OF CONSULTATION & TRAINING
College of Engineering and Petroleum

Kuwait University- College of Engineering & Petroleum - Industrial Engineering – OCT

IE 001-Introduction to Valves and Pipes



Contact

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Course objectives

- Define a valve
- Identify the different types of common valves used at Sunrise Dam and their purposes
- Understand the hazards and safe operating practices for valves

Training course duration:

Two Days

Timing:

8 a.m. - 2 p.m. Daily

Course outline :

Day one topics:

introduction to different types of valves available
How valves Function
Why we need to use Different Type of Valves?

Define a Valves: Common Types

- Ball Butterfly
- Knifegate
- =Diaphragm (Saunders)
- =Non Return or Check
- =Tech Taylor
- =Pinch
- =Pressure Relief



IE 001-Introduction to Valves and Pipes

- Valves Maintenance
- Valve Leaking or not sealing correctly
- Wear
- Foreign material
- Corrosion
- Flange or flange bolt failure
- Valve not operating correctly
- Identify the different types of common valves used at Sunrise Dam and their purposes
- Understand the hazards and safe operating practices for valves

Day two topics:

Pipes

- Pipes Use
- Pipes Materials
- Typically metallic piping
- Lead piping
- Plastic tubing
- Pipe may be made from concrete or ceramic,

- Fittings and Valves
- Polytetrafluoroethylene (PTFE)
- Copper pipes
- Underground pipe
- If frequent disconnection

- Gasket
- How to use them?



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جامعة الكويت
KUWAIT UNIVERSITY

Fees:

250 KD

Instructor:

Dr. Khaled Alkhaledi
Industrial & Management Systems Engineering
College of Engineering & petroleum
Kuwait University



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IE 002-Introduction to Data Analytics with Excel



Contact

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Course objectives

Prepares the trainees to gather, describe, and analyze data using the most population data processing software: Excel. Learn the basics of exploratory data analysis, data visualization, and evidence-based decision-making using concrete data.

Training course duration:

Three Days

Timing:

8 a.m. - 2 p.m. Daily

Course outline :

Day one topics:

Understanding Data Structures and Dataset Components

Day two topics:

Basic Statistics and Inferences

Day three topics:

Creating Data Models for Better Decision



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IE 002-Introduction to Data Analytics with Excel



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KUWAIT UNIVERSITY

Fees:

250 KD

Instructor:

Dr. Abdullah Alibrahim
Industrial & Management Systems Engineering
College of Engineering & petroleum
Kuwait University