



ASSETS PROTECTION COMPANY
SECURITY AND SAFETY TRAINING CENTER
(A DIVISION OF SAUDI PETRO GAS CO.)

Basic Electronics

Objectives:

The objective of this course is to provide, enhance and promote safe technical knowledge and practices concerning actual day-to-day tasks of the trainees, wherein after the completion of the program, the participant will be able to:

- Correctly identify different Basic Electronic Components i.e. Resistors, Capacitors, Diodes, Transistors, etc.
 - Interpret working or Basic Electronic Devices as mentioned above
 - Test and establish the suitability of various Electronic Components
 - Use Electronic Test equipment i.e., Multimeters, CRO, etc., efficiently.
 - Learn practical and safe working applications
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Course Subjects:

- Semi-Conductors and their application
 - Resistors, Capacitors, function and color code
 - Diodes, Transistors
 - IC's – Classification, Characteristics and application
 - Symbolic representation and Electronic Components
 - Multimeter, CRO Function, Use and Care
 - Practice of making Rectifiers, Amplifiers and Testing
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Participants:

- Technical Staff, Maintenance and Production Supervisors

Methodologies:

- Pre-Training Assessment
- Class Room sessions
- Plant / Work visits
- Evaluation – Written & Practical Test, Oral / Viva-Voce Test

Duration:

- Two (2) to four (4) Weeks in general at 5 days of 8 hours each.

Course Location:

- Security and Safety Training Center, Dhahran or at Client's Suitable Venue

Language:

- English / Arabic