

## WELL DRILLING INSTITUTE

**A set of industry-focussed and field-oriented training modules**



### TRAINING PROGRAMME:

## “HEALTH, SAFETY, SECURITY AND ENVIRONMENT”

(A 30-Credit Hours Extensive Training Programme)

### COURSE CODE:

**WDI-H.S.S.E-008**

### DESIGNED FOR:

**YOUNG PETROLEUM ENGINEERS, CHEMICAL ENGINEERS,  
MECHANICAL ENGINEERS, GEOLOGISTS  
& DIPLOMA HOLDERS**

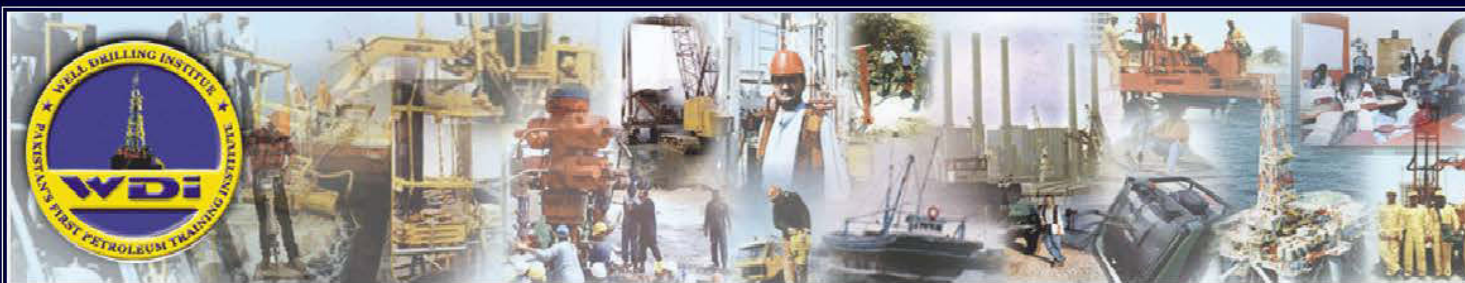
### COURSE TO BE CONDUCTED AT:

**WELL DRILLING INSTITUTE (WDI)**

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In building good governance one can start at any point in the process — “top” or “bottom” — and produce positive results. Honest, dedicated leaders are essential, and much can be done to identify and cultivate the qualities of leadership in schools and training institutions.





## **Technical skill shared with educational competence...**

### **HEALTH, SAFETY, SECURITY & ENVIRONMENT**

#### **WDI-H.S.S.E-008**

#### **WHO SHOULD ATTEND?**

This course is recommended for Young Petroleum Engineers, Chemical & Mechanical Engineers, Geologists as well as Diploma holders (in Chemical, Power and Mechanical), and non-technical E&P Personnel who want to gain knowledge and to understand the requirements of HSSE in petroleum industry.

#### **COURSE OBJECTIVES**

This programme is designed to provide better understanding of the risks and precautions related to the equipment, facilities and different works for a safer and environmentally operation at oil well site.

Upon completion of the course participants;

- are aware of the risks inherent to the different works, and the good practices to adopt,
- have deeper insight of the hazards involved in routine operations,
- are able to adopt the most appropriate attitude in routine operations and in-case of any unplanned event.

#### **PEDAGOGY**

Including Presentations and Video Movies etc.

WDI is the Pakistan's 1st Petroleum Industry Training Institute, in Private sector where quality education is imparted according to the need and requirement of the E&P Industry.

WDI Short Certificate Programs (for Engineering Students, as well as for Corporate Levels) are a recommended grouping of courses within a subject area or discipline that support the development of specific knowledge and skills applicable to the workplace. Our training programs are designed, developed and updated by our highly Professional team of training experts with input of our overseas partner institutions, industry, and client/learner feedback.

Our training programs are designed for those who would like to increase their existing and working knowledge of all of the technical aspects of the Oil & Gas Industry. Those already in the industry or from ancillary Industries can increase and boost their technical understanding of the very dynamic energy business. Participants new to the industry can expect to be well prepared for many of the administrative and support-level technical positions that are in high demand today with Energy Companies.

WDI now offers a Short Certificate Program of 30-Credit Hours in "HEALTH, SAFETY, SECURITY & ENVIRONMENT" on regular (WEEK-DAYS & WEEK-ENDS) basis.

This course aims to provide the right and true awareness to the participants about all risks and hazards involved in Oil & Gas field.

#### **COURSE CONTENT:**

1. HSSE in Oil and Gas Industry
2. APE HSE Mission and Guiding Principles
3. Safety and Security Awareness
4. Hazards and their Prevention System Approach
5. EIA of Oil and Gas
6. Control of Oil Spill
7. Drilling Waste Disposal Techniques
8. Thermal Treating Techniques
9. Bioremediation and other Waste Disposal Techniques
10. Concept of Pollution in Oil Industry
11. Current Environmental Concerns
12. Safety and Environment in Gas Processing Plants
13. Risk Analysis and Equipment related Risks