

DIPLOMA IN DIRECTIONAL DRILLING AND MWD ENGINEERING (7TH BATCH)



Motto: *Expanding our horizon in Oil and Gas.*

About Course:

Our 7th Batch of “Diploma in Directional Drilling and MWD Engineering” brings for you a comprehensive diploma program covering deep analytical, theoretical and hands-on depicted experience of Directional Drilling and MWD systems both in Oil and Gas sector as well as Geothermal sector. This course by Business and Finance People, member of prestigious IADC (International Association of Drilling Contractors), accredited by IACUS (International Accreditation Center of United States) and approved provider of The CPD Group UK, is a perfect way to catch the higher scale of your career if you are already the part of the industry or if you want to move your career in the industry. Leading by highly qualified trainer, this course is designed to better equip you with the most important attributes of Directional Drilling and MWD technologies.



Who should apply?

- *People who are already working in Oil and Gas or Geothermal sector and want to enhance their career.*
- *Experienced professionals having working in Oil and Gas drilling upstream industry who want to upgrade their skills and diversified their experiences.*
- *Drilling and Completion Engineers, Drillers, Rig personals, M/LWD, Wireline, Directional Drilling, Coring, Mud Logging specialists and engineers alongside geologists, Reservoir Engineers, Oil and Gas Sales and marketing professional, who are already part of industry or want to be the part of this diversified industry.*
- *Those who are fancy to get the diploma certification from an organization which is proudly a **member of IADC (International Association of Drilling Contractors), accredited from IACUS (International Accredited Centre of United States) and approved provider of the CPD group UK.***
- *“This diploma is a life-long investment”, every member of our society could reap better benefits out of this diploma program.*

Course Duration and timings (tentative):

- *Duration: 2 weeks program having 6 exclusive sessions (Online).*
- *Starting date is 19th August 2025.*
- *Per session timings are 1.5 hours approx. (Inclusive mini-breaks)*
- *2 days/week evening program; Tuesday, Wednesday and Thursday. 7:30pm till 9:00pm Pakistan Standard Time (6:30pm till 8:00pm Dubai Standard Time)*

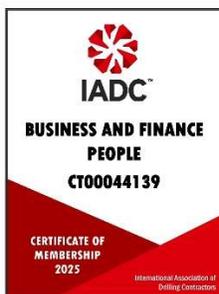
Fee Procedure:

- *Fee: Rs. 30,000 (local audience), USD 180 (International audience)*
- *Fee should be paid prior to the start of course.*
- *Fee should be paid to AC title: Business and Finance People, AC no: 3051301000011985, IBAN: PK92FAYS3051301000011985, Bank Name: Faysal Bank (Bahria Town Branch, Lahore, Pakistan), Swift code: FAYSPKKA*
- *Special discount of 10% will be applicable for those participants who are joining in the group of 3 or 3 plus people.*
- *There are no hidden charges other than the above-mentioned charges.*
- *Diploma certificate from Business and Finance People having the badge mark of IADC, IACUS and the CPD group will be provided after completion.*



Program accreditation:

Business and Finance People is esteem member of IADC (International Association of Drilling Contractors), accredited from IACUS (International Accreditation Center of United States) as well as the approved provider of the CPD group UK.



Course Contents:

Day 1:

- *Introduction, History and Applications of Directional Drilling*
- *MLWD Operations (Different technologies and variations)*
- *Different Sensors usability and significance*
- *Wellbore Positioning*
- *Elaborating Depth, TVD, TVDSS, RT. Offshore depth record significance*
- *Inclination and Azimuth*
- *Functioning of Accelerometer and Magnetometer*

Day 2:

- *Magnetic Interference*
- *Internal and External MI*
- *Survey Methodology and how to take survey*
- *What are survey inputs and outputs? What is their representation and calculation?*
- *Driving Plan and Vertical section view*
- *UNDERSTADING THROUGH A MOCK WELL*
- *Grid North, True North and Magnetic North*
- *Magnetic Declination and Grid Convergence*



Day 3:

- *Tool Face Concept*
- *Shocks and Vibrations*
- *LOGS interpretation (Gamma, Resistivity, Porosity, Density and Images)*
- *Comparison with Wireline and Gyro.*
- *Initiating Directional Drilling requisites*
- *Directional Well profile and Terminologies*
- *Types of Rotary Assemblies and Tools for Directional Drilling*
- *Mud Motor Characteristics*
- *Bend Settings and mud motor performance chart*

Day 4:

- *Directional Well Radius (Different types)*
- *Hydraulics and Rheology*
- *Measuring best Directional well hydraulics*
- *Hole Cleaning and Equivalent circulating density*
- *Mud properties and their effect*
- *Hydraulics Calculations*
- *BHA Weight and Forces,*
- *Friction Factor and Buoyancy Factor*

Day 5:

- *Torque and Drag*
- *Buckling and its types*
- *Well-bore tortuosity and high local dog legs*
- *Drill Bits and better geo-steering.*
- *Side tracks and their types*
- *Side track procedures*
- *Open hole side track demonstrated procedure*
- *Whip stocks and how to set them*
- *Anti-Collision and where we require them*
- *Understanding Spider Plots and Travelling Cylinder Plots*
- *Assessment and farewell*

(Some changes in days of course content could be applied depending upon class progressive situation.)



Course Evaluation (Tentative and could be subject to change):

- Minimum attendance of 60% required.
- Class Participation.
- Course Assessment.

About Course Supervisor:

Dr. Mohammad Hassaan Khan, is a dynamic figure having rich expertise in the field of Oil and Gas industry, Sustainability and Change Management. He is the Director of Business and Finance People directed towards Oil and Gas training wing. In corporate sector he has profound experience of more than 17 years with some of the best Fortune 500 companies; Schlumberger, Halliburton, Baker Hughes, Viking International and TAQA group in different parts of world. His mission is to change the way of progressive understanding and provide a platform for better progression in future generations.

REGISTER:



[Scan to register](#)

Fill Form:

<https://forms.gle/ZLbG2BHpfV6uHJLW8>

Visit us at <https://www.businessandfinancepeople.com/oil-and-gas-upcoming-programs>

For more information contact at 0092-3226369615 or email at director@businessandfinancepeople.com