

# “Basic Mud School”



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

## **About Course:**

*Business and Finance People, Oil and Gas wing, brings for you “Basic Mud School” (2<sup>nd</sup> Batch, online evening program); a comprehensive specialized diploma program covering deep practical, analytical, theoretical and hands-on depicted experience of Drilling fluid in Oil and Gas 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 Mud Engineering.*



### **Who should apply:**

- *People who are already working in Oil and Gas or Geothermal sector and want to enhance their career.*
- *Experienced professionals who want to upgrade their skills and diversified their experiences.*
- *Job seekers, newly graduate engineers and geologists who want to enter in Oil and Gas industry with knowledge power.*
- *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: 8 exclusive sessions (evening online).*
- *Starting date is 16<sup>th</sup> May 2026. (consecutive days from 16 to 23<sup>rd</sup> May)*
- *Live per session timings are 1 hour 30 minutes. (Inclusive mini-breaks)*
- *Starting 7:00pm Saudi Arabia Standard Time or 9:00pm Pakistan Standard Time.*

### **Fee Procedure:**

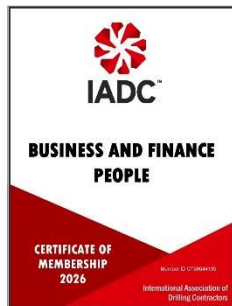
- *Fee: Rs. 30,000 (local community), USD 200 (International audience)*
- *Fee should be paid prior to the start of course.*
- ***Enroll in both Basic and Advanced Mud School and get exclusive 10% off on overall fee.***
- *Fee should be paid to the Fayal Bank having AC title: Business and Finance People, AC no: 3051301000011985 or IBAN: PH92FAYS3051301000011985, Swift code: FAYSPKKA, Bank address: Bahria town, Lahore Pakistan*
- *Group discount of 10% will be allotted to every member if the group members are 3 or more than 3 at the time of enrollment.*
- *Diploma certificate will not be issued till all outstanding dues are cleared.*
- *There are no hidden charges other than the above-mentioned charges.*





### **Organizational 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:**

1. Functions of Drilling Fluid and rig circulation system with components
2. Mud rheological and filtration properties
3. Base fluid and different mud additives
4. Different types of mud; Spud, Drilling, Completion
5. Difference between WBM and OBM with their properties and how to design them for different wells.
6. KCL polymer, glycol and silicate mud systems
7. WBM and OBM contamination
8. Volumetric mud calculations
9. Description with advantages and disadvantages of different mud properties as mentioned in Mud report (i.e. mud weight, PV, YP, Gel strength, pH, sand content etc.)
10. Hydraulics due to mud system, calculating hydraulics and what all the resultant properties significance (i.e. TFA, HSI, Jet impact, Annular Velocity etc.)
11. Significance of ECD
12. Using different additives in Mud and why using them? (countering clay impact, detergent, caustic, oxygen scavengers etc.). Mud testing in lab, filtrate and salinity.
13. Different type of mud used in Fishing operations

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



# “Advanced Mud School”



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

## **About Course:**

*Business and Finance People, Oil and Gas wing, brings for you “**Advanced Mud School**” (2<sup>nd</sup> **Batch, online evening program**); a comprehensive specialized diploma program covering deep practical, analytical, theoretical and hands-on depicted experience of Drilling fluid in Oil and Gas sector. This course by BFP Oil & Gas wing, **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 advance the higher scale of your career for Mud Engineers, Drilling Engineers, Drilling Fluid Specialists, Wellsite Supervisors, Advanced level technical engineers. Leading by highly qualified trainer, this course is designed to better equip you with the most important attributes of Mud Engineering in Advanced stages.*



### **Who should apply:**

- *People who are already working in Oil and Gas or Geothermal sector and want to enhance their career.*
- *Experienced professionals who want to upgrade their skills and diversified their experiences.*
- *Mud Engineers, Drilling Engineers, Drilling Fluid Specialists, Wellsite Supervisors, Advanced level technical engineers.*
- *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: 8 exclusive sessions (evening online).*
- *Starting date is 10<sup>th</sup> June 2026. (consecutive days from 10 to 17<sup>th</sup> June)*
- *Live per session timings are 1 hour 30 minutes. (Inclusive mini-breaks)*
- *Starting 7:00pm Saudi Arabia Standard Time or 9:00pm Pakistan Standard Time.*

### **Fee Procedure:**

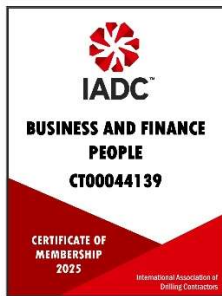
- *Fee: Rs. 40,000 (local community), USD 250 (International audience)*
- *Fee should be paid prior to the start of course.*
- ***Enroll in both Basic and Advanced Mud School and get exclusive 10% off on overall fee.***
- *Fee should be paid to the Fayal Bank having AC title: Business and Finance People, AC no: 3051301000011985 or IBAN: PH92FAYS3051301000011985, Swift code: FAYSPKKA, Bank address: Bahria town, Lahore Pakistan*
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### **Organizational accreditation:**

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### **Course Contents:**

#### **Module 1: Advanced Drilling Fluid Fundamentals**

- Review of drilling fluid functions and classifications*
- Rheology and gel strength analysis*
- Plastic viscosity and yield point optimization*
- Impact of temperature and pressure on fluid behavior*
- Fluid loss mechanisms and control strategies*

#### **Module 2: Advanced Water-Based Mud (WBM) Systems**

- High-performance WBM formulations*
- Shale inhibition and wellbore stability chemistry*
- Role of polymers and nanoparticles in WBMs*
- Managing contaminants and solids control*
- Case studies: HPWBM in unconventional wells*





### **Module 3: Oil-Based and Synthetic-Based Muds (OBM/SBM)**

*OBM/SBM composition, emulsification, and stability*

*Electrical stability and emulsion testing*

*Lubricity and thermal stability enhancement*

*Environmental compliance and cuttings management*

*Comparative performance evaluation: WBM vs. OBM vs. SBM*

### **Module 4: Specialized Mud Systems**

*Brine-based and salt-saturated systems*

*High-temperature / High-pressure (HTHP) mud design*

*Managed pressure drilling (MPD) fluids*

*Cement spacer and displacement fluids*

*Reservoir drilling fluids (RDF) and drill-in fluids*

### **Module 5: Solids Control and Waste Management**

*Advanced solids control equipment and configurations*

*Mud cleaning optimization (shakers, centrifuges, desanders)*

*Waste minimization and fluid recovery*

*Cuttings re-injection and zero-discharge practices*

### **Module 6: Mud Testing and Quality Control**

*Density, rheology, and filtration tests*

*Oil/water ratio and electrical stability*

*Retort analysis, pH, salinity, calcium, and alkalinity tests*

*HTHP fluid loss and sag testing*

*Solids analysis and contamination treatments*





## **Module 7: Hydraulics, Hole Cleaning & Wellbore Stability**

*Advanced hydraulics modeling*

*Annular velocity and pressure loss optimization*

*ECD management and surge/swab control*

*Cuttings transport and bed formation*

*Borehole stability models and inhibition techniques*

## **Module 8: Mud Contamination, Troubleshooting & Field Problems**

*Common field issues (calcium, salt, cement, gas, oil contamination)*

*Root cause analysis and corrective treatments*

*Foam, sag, and emulsion instability*

*Best practices for fluid maintenance in field operations*

## **Module 9: Digital Mud Engineering, Case Studies & Automation**

*Real-time fluid monitoring systems*

*AI and data analytics in fluid management*

*Integration with rig sensors and digital twins*

*Mud reporting software and KPIs*

*Final assessment* (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:**

*Mr. Abdulaziz Gabr, is a renowned IADC accredited Drilling fluids instructor having tremendous experience in delivering his professional knowledge to the participants in the field of Drilling Mud School and Drilling categorical programs. He is presently a Mud Technical Advisor at Apache Corporation and his expertise at Khalda Petroleum is remarkably show casing his ability to deliver larger projects,*

### **REGISTER:**



[Scan to register](#)

### **Fill Form:**

<https://forms.gle/donYAAUKc5jEKZrt8>

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

For more information contact at 0092-3226369615 or email at

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