

# Specialized Diploma in Drill Bit Technology and Applications (3rd Batch)



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

## **About Course:**

*Business and Finance People, Oil and Gas wing, brings for you our 3<sup>rd</sup> Batch of “Specialized diploma program in Drill Bit Technology and Applications” (Online). This course is a perfect way to catch the understanding of taking the best ROP for your well through proper understanding and characteristics of drill bit technology, its applications and derivability in different formations. Leading by highly qualified trainer, this course is designed to better equip you with the most important and specialized attributes of Drill bit technology.*



### **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, Drill bit executives 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: 3 days (Online).
- Starting date is 11<sup>th</sup> August 2025.
- Per session timings are 1.5 hours approx. (Inclusive mini-breaks)
- Evening program; Monday, Tuesday and Wednesday. 7:30pm till 9:00pm Pakistan Standard Time (6:30pm till 8:00pm Dubai Standard Time)

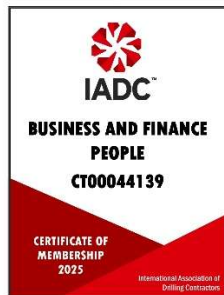
### **Fee Procedure:**

- Fee: Rs. 20,000 (local audience), USD 120 (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: Different bit types and PDC bit**

- Welcome and Introduction to the Workshop
- Applications of drill bit and the procedure of manufacturing operations.
- PDC bit and its outside/inside anatomy.
- What are Flat, Medium Parabolic and Long Parabolic Profile and how to pick one for your success?
- Q&A Session
- Cutter description and procedural success.
- How to achieve the ROP through better selection and designing.
- Significance of Back Rake, Side Rake and Kerfing layout.
- Significance of different PDC bits and the IADC coding.
- Q&A session

### **Day 2 (Part-1): PDC bit and its operations**

- Cutter description and procedural success.
- Stability of well profile and anti-whirling operations through PDC bit.
- Depth of Cut Control and characteristics of better steerable and directional PDC bit.



- Dull Characteristics and how to make it right?
- How to make your bit more steerable for better ROP?
- Better directional steerability through bits.
- Q&A Session

### **Day 2 (Part-2): Tricone Bits and its operations**

- Tricone bit and its outside/inside anatomy.
- Significance of different Tricone bits and the IADC coding.
- Steel Tooth and TCI in drilling operations.
- Skew angle and cone angle significance.
- Bit Hydraulics
- Q&A Session

### **Day 3: Tricone Bits and Hybrid bit technology**

- Different bearing chambers of Tricone
- How to get best of ROP from Tricone and its directional profile significance.
- Torque and Drag
- Formation suitability for better drill-ability with bits.
- Dull Characteristics and how to bulls eye it?
- Hybrid bits, there usage and drilling advantage.
- Q&A Session
- Specialized diploma Knowledge test for the participants.

Please note that the timing for each session is approximate and can be adjusted based on participant engagement and interaction.

### **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 Professor of Practice and Director at Business and Finance People. 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 with specific knowledge towards Drill bit technology. His mission is to change the way of progressive understanding and provide a platform for better progression in future generations.*

## **REGISTER BY:**



[Scan to register](#)

**Fill Form:**

<https://forms.gle/JVJfQxTpeubhpQyNA>

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

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