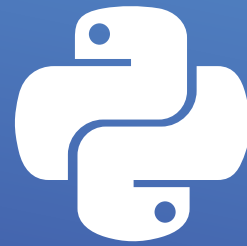# POWER BI IN OIL & GAS

Learn Visualization from Scratch

COURSE OBJECTIVE:

This course intends to train those energy aspirants who wish to kickstart or upskill their careers in Energy analytics. In a world where Data is called the new oil, data is not useful unless it is breakdown properly and visualized in such a way that everyone understands.

Data visualization has turned into a life skill for employees irrespective of their domain, hierarchy and experience Power BI is the most powerful tool of the hour which can represent, and visualize the data with many meaningful insights.

PREREQUISITES:

- Will teach from scratch , so no perquisites as such required.
- Having knowledge of data visualization, graphs and charts will be add on advantage.

WHO CAN JOIN THE COURSE:

Students and graduates from Energy industry looking to start their career as energy or Oil & Gas Analyst . interested to become an excellent analyst for Business Development and track industry growth, etc.

Oil & Gas professionals who like to learn new skillsets and optimize their work efficiency

APPLICATION IN POWER BI IN OIL & GAS:

Power BI applications enable oil and gas companies to collect and analyse field data, provide operators with a reporting platform and use key information to help production teams make timely and critical decisions.

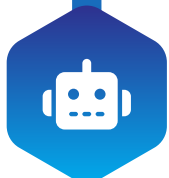# Important Business Benefits of the Power BI for the Oil & Gas industry:

ENHANCED REPORTING:

Reports are a key part of any Data Strategy. They are used to present information in a way that can be easily consumed. But there are times where the intentions of a report does not always meet the expectation of the end user. This can be because of how different the dataset is or just not having the right features available to enhance the presentation of the dataset.

SECURE ACCESS TO DATA AND ANALYSES:

Data protection capabilities in Power BI build on Microsoft's strengths in security and enable customers to empower every user with Power BI and better protect their data no matter how or where it is accessed.

AUTOMATED UPDATES OF REPORTS:

When you monitor critical events, it's important for data to be refreshed as soon as the source data is updated. For example, in the manufacturing industry, it's critical to know when a machine is malfunctioning or is close to malfunctioning. If you're monitoring signals like social media sentiment, you want to know about sudden changes as soon as they happen.

QUICK IDENTIFICATION OF CAUSES FOR TRENDS IN THE DATA:

Often in visuals, you see a large increase and then a sharp drop in values, and wonder about the cause of such fluctuations. With insights in Power BI you can learn the cause with just a few clicks.

Topics to be covered:

DATA LOADING

1. Data Connection
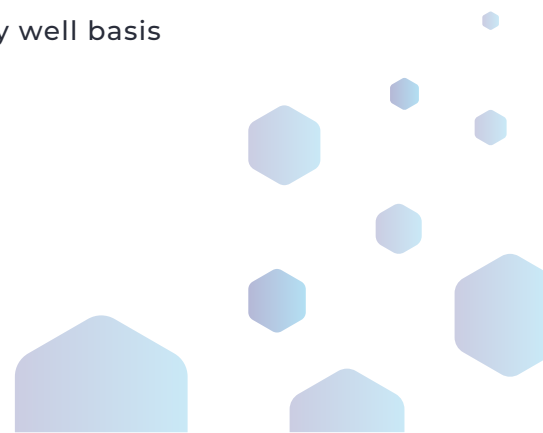2. Field Data Preparation and Transformation

EXPLORATORY DATA ANALYSIS

3. Dealing with Distribution and outliers in field data
4. Exploring relationships between field variables

TREND ANALYSIS FOR FIELD DATA

5. Analysing trends for field production data
6. Analysing field performance by field basis
7. Analysing field performance by well basis
8. Decomposition trees

INTERPRETATION AND INSIGHTS FROM FIELD DATA

FIELD REPORTS AND DASHBOARDS

Feedbacks

Brandon Joseph
Placed in Petronas Malaysia

Very interesting course. Enjoyed it even more due to the integration of data science in theory alongside industry case study through the simulation of a mock-up industry standard project experience. If you don't have access to these materials at hand, this course presents all you need, from understanding the fundamentals of Power BI and integrating it to solve engineering challenges in our oil& gas sector. The instructors were very experienced and easy to follow! Definitely recommend this course to anyone looking to further delve into the realms of data analytics within the O&G sector.

Irfan Sunny
M. Tech Petroleum Engineering Student,
Dibrugarh University

The course content was relevant and good. It covered all basics as well as intermediate topics. The teacher was very generous and responsive. he explained everything in details. Edvantage service is top notch, they provide all the contents right after the class is over and are also very approachable. yes, if a student or a production engineer wants to enchance their skills I believe this course is very good for them. I had gained knowledge about artificial lift a lot throughout the course. This course has turned out to be the best course so far & look forward to taking up such course in future.

FAQs

When is the course commencing?
Ans. Expected Date – 3rd Week of October

What will be the class time?
Ans. Time - 8:30PM IST or 3:00 PM GMT

What are the course fees?
Ans. Fees – 100 USD or 7500 INR Only

What will be the medium of language for the training?
Ans. English

Will a certificate be provided?
Ans. Yes

What if I missed any live sessions?
Ans. We will be providing the recordings of the whole live sessions of the training along with materials for lifelong.

Why we should join?
Ans. Among all BI tools, Power BI has emerged as the leader in business analytics. Today, there is much demand for Power BI-certified professionals in most MNCs and bigger firms. Power BI jobs will offer you handsome salaries and give you a chance of working with top companies.