

Financial Analytics with AI Power BI

Who can do?

- Are Engaged in the field of finance or accounts and like to enhanced their credentials
- Want to understand the power of Excel with Artificial Intelligence
- Are already working in a Finance and like to enhanced the analytical skills in terms of better position and compensation
- New comers who would like to understand that how the excel works with AI and then how to analyze the data through Power BI

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since
1997

**Program is
offered by**

**3D EDUCATORS
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22 Years of
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FINANCIAL ANALYSIS WITH AI BY USING POWER BI

Course Objective:

Financial Analysis is one of most important requirement of any organizations. As far as concerned the latest advancement of technologies where AI is one the boom technology that revolutionize the organization after its understanding and implementation. AI-driven financial analytics is a powerful approach to managing complex data sets, automating routine tasks, and predicting financial trends with high accuracy. Power BI, Microsoft's business intelligence tool, complements these capabilities by providing an accessible platform where financial data can be cleaned, visualized, and interpreted in real-time, enhancing the decision-making process for analysts, managers, and executives alike. Therefore, combining the strengths of AI with Power BI's data visualization capabilities allows financial professionals to gain deep insights and make data-driven decisions with enhanced precision and revolutionizing the way organizations handle and interpret financial data and its modelling.

Financial data analytics through AI techniques by using Power BI in predictive analysis provides the ultimate and very effective outcome, which cannot be supposed and understandable by the organization. Through machine learning models, Power BI can forecast future financial trends based on historical data. These predictive models help organizations anticipate revenue fluctuations, identify potential financial risks, and make informed budget decisions.

For example, a company could predict its quarterly sales revenue by analyzing historical sales patterns and seasonality. Power BI's AI capabilities, such as Azure, AWS and any other Machine Learning integration, enable analysts to perform these predictions within the platform, reducing the need for complex coding or external software. This integration also allows for anomaly detection, flagging unusual financial activities and highlighting areas that need attention, such as unexpected cost spikes or revenue drops.



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Another significant advantage of AI with Power BI can streamline routine tasks that financial analysts would typically perform manually. After understanding of these AI and tools of Power BI will save time and minimize the human error. The reports will provide the trends which helps the businesses and allow users to query the financial data intuitively.

Power BI provides very strong data visualization capabilities, an absolute necessity in financial analytics. Power BI displays this massive data in the form of graphs, charts, dashboards etc. In that way the stakeholders can easily understand things which may be too intricate to decode from raw data formats. AI takes these visualizations a step further to reveal patterns, trends and correlations that might go undetected through traditional analysis. Example- Power bi can help financial analysts to design KPI Dashboards that can visualize your organization's financial health in real-time. Such real-time visibility enables organizations to quickly respond to fluctuating market scenarios, optimize resource planning and enhance financial planning.

That symmetrical relationship between AI and the functionality of Power BI and its financial analytics also applies to risk management. AI can analyze historical financial data and external factors, such as market trends or economic indicators, to identify potential risks and vulnerabilities. These indicators can be continuously monitored with AI models of Power BI and send alerts if they detect signs of financial stress, such as diminishing liquidity or increasing debt ratios. This proactive risk management allows companies to take corrective actions before problems escalate, thus preserving financial stability.

In conclusion, AI-enhanced financial analytics using Power BI offers a powerful solution for data-driven financial management. By enabling predictive analysis, automating tasks, facilitating natural language queries, and enhancing data visualization, AI and Power BI together empower organizations to unlock new levels of insight and make faster, more informed financial decisions. This integration and course ultimately helps organizations stay competitive in a dynamic business environment by providing a comprehensive view of their financial health and enabling strategic, data-backed planning.



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Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

No of classes per week	02 - Class
Duration of each class	02 - Hour
Total Duration	32 Hours
Total Duration	2 Months

Other Learning Activities

Classroom Assignments	04
Presentations by Trainees	01
Project/Case Study	01
Guided Hours	24
Non Guided	08

About the Program

The “Financial Analytics with AI by using Power BI” Program has been designed and will be conducted by senior consultants who have around twenty five years of rich experience in finance and training and development.

In Affiliation with





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Course Content:

- Lecture 1: Introduction to Financial Analytics and AI
- Lecture 2: Getting Started with Power BI
- Lecture 3: Data Preparation and Cleaning
- Lecture 4: Descriptive Analytics in Finance
- Lecture 5: Predictive Analytics in Finance using AI
- Lecture 6: Prescriptive Analytics in Finance
- Lecture 7: Risk Management Analytics
- Lecture 8: Financial Performance Analysis
- Lecture 9: Advanced Financial Modeling with AI
- Lecture 10: Automating Financial Reporting with AI
- Lecture 11: Ethics and Governance in AI-driven Financial Analytics
- Lecture 12: Capstone Project and Course Review



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TERMS & CONDITIONS

WITHDRAWAL FROM THE DIPLOMA/CERTIFICATION

Students are not allowed to withdraw from the Diploma. If a student cannot continue the Diploma his/her fee will be forfeited.

CONDUCT AND DISCIPLINE

A disciplinary action, leading to rustication, will be taken against students whose conduct is found objectionable at any time during the course of study. Reference will be made to 3D Educators code of conduct.

EVALUATION AND GRADING

The performance of students is evaluated through continuous observation of a student's performance in the Diploma – class participation, submission of assignments, quizzes and exercises.



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The student will be examined through three hourly exams conducted at the midterm and a final exam at the end of the program. Total marks for passing the Diploma/Certification will be 50%.

Students who do not meet the attendance or any other eligibility criteria will not be allowed to appear in the final examination.

The following grading plan will be applicable for the Diploma:

A	87 - 100
B+	81 - 86
B	72 - 80
C+	66 - 71
C	60 - 65
F	below 60



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FINAL EXAMINATIONS

Students who are unable to appear for the final examination are required to submit a written application stating the reason for not appearing in the exams. 3D EDUCATORS reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fees and sit the provided examination schedule. Without passing of the exams no certification or diploma will be awarded.



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ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.

DISTANCE NOT MATTER

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.



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PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

CONTACT US

+9221-34141329, +9221-34857148
+92 333-2402474

info@3deducators.com
<http://www.3deducators.com>

Get the Admission Form

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