FRONTIER TECHNOLOGY INSTITUTE

Business Intelligence (BI) Certification

Program Brochure
Start Date: June 12th, 2021

Applications Welcome from across Pakistan

FTI

FRONTIER TECHNOLOGY INSTITUTE

Business Intelligence Certification

Data Analytics is not a hype anymore. It is now a necessity. With tons of data being generated every day in organizations, it is now imperative to drill this data for extracting useful insights, e.g., regarding customer behavior, business operations, anomalies and frauds, and forecasts & predictions of core KPIs. Typically, SQL provides low-level and superficial analytics to business managers. However, there is no doubt that the major analytical goals are being achieved by Business Intelligence (BI) tools in any type of global organization. A large chunk of business issues is solved through dashboards and reports generated by state-of-the-art BI tools. Hence, developing the BI skillset to use these tools has become of paramount importance for global businesses.

To this end, Frontier Technology Institute (FTI), Pakistan's Premier Data Science Institute, has put together the Business Intelligence Certification designed to provide interested participants with core BI skills necessary to achieve effective decision making, data governance, and business goals for any organization. Through this certification, we will be focusing on comprehensive, hands-on coursework using Power BI.

Power BI is currently the most well-known, usable and interactive BI tool and the leader in Gartner's magic quadrant for analytics and BI platforms since the last several years. We focus on thorough hands-on of industrial BI use cases with the large diversity of Power BI features related to data cleaning, report designing, dashboard designing, programmable variables and customized visuals/charts, to cover the wide range of BI-related requirements of industry professionals. This makes FTI's BI Certification state-of-the-art, comprehensive, practical, and unique.

Program Features

- Training consists of 13 weeks of live lectures
- Classes comprise of 2 hours of interactive lectures, assignments/application projects, discussions, capstone project, and monthly speaker series
- Opportunities for collaboration and networking with fellow students both during and after the course
- Certificate upon successful completion
- **No prior BI knowledge is required**

Learning Outcome/Key Take-aways

- Theoretical knowledge of BI and Data Warehouse
- BI Roadmap: How to use Data Governance initiatives in any organization (case studies)
- Learning BI skills through hands-on practice with BI tools (basic to advanced)
- Testing BI skills by using BI tools to solve two representative industrial problems

Who Should Enroll

- Current University Students in 5th to 8th Semester pursuing Tech/Engineering/CS Degree OR
- Fresh Graduates with **UP TO 2 years** of work experience with relevant background/experience OR
- Individuals looking to **SWITCH** their career to Business Intelligence **REGARDLESS** of their background

Certification Criteria

- Timely submission of quizzes & assignments.
- Timely Submission of Capstone Project report
- Project Presentation and Viva
- Passing In-class / Take-Home Final Exam
- At least 80% Attendance

Duration

- 13 Weeks (including Project, Presentations, and Evaluation)

Total Investment

PKR 12,000/-

15%* EARLY-BIRD DISCOUNT
10% GROUP DISCOUNTS
5% STUDENT REFERRAL DISCOUNTS

** FOR APPLICATIONS RECEIVED BEFORE JUNE 1ST, 2021*

Class Schedule

START DATE – JUNE 12TH, 2021

CLASS DAYS: SAT – SUN (2 DAYS/ WEEK)
TIMINGS: 2 PM – 4 PM PKT (2 HRS CLASS)
UP TO 8 HOURS OF TEACHING PER WEEK

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Course Outline		
Module 1	Introduction to BI and Data Visualization	Week 1
Module 2	Analytical Mindset: Pareto Principle, Association / Affinity Logic, Segmentation, Generalizing Theories	Week 2
Module 3	Data Literacy and The Power of MS Excel, Data Auditing	Week 3
Module 4	Data Warehousing and BI Showcase	Week 4
Module 5	SQL: Introduction, Installation and Instructions / ETL Workshop using Talend and Python	Week 5
Module 6	OLAP, Star Schema and how does it benefit the BI function	Week 6
Module 7	Intro to Power BI / Tableau / Qlik	Week 7 – 8
Module 8	Advanced Data Visualization	Week 9 – 12
Module 9	Project Management, Presentations, and Evaluation	Week 13

Tool

Our Renowned Faculty

A unique feature of our training program is the relentless mentoring and guidance of our extensively academic and industry experienced faculty, who ensures exceptional class interaction and participation through our online teaching medium.

- **Mr. Mohammed Ibrahim (Instructor, FTI)** With a BS in Computer Science from University of Karachi, Mr. Mohammed Ibrahim used his Computer Science skills in Business Intelligence where companies can get the real-time insights which helps them to lead their Business & decision making. Having 4+ years of experience on SQL, data modeling, writing down ETL logics, Dashboards designing are his key responsibilities in his current role working as a BI Lead at Retailo Technologies. Previously he was associated with Love For Data (LFD) as a BI Analyst and Atlas Group as a Database Engineer.

- **Mr. Saqib Shah (Instructor, FTI)** is a veteran data analyst and has vast experience in marketing research, business intelligence, and data engineering. He has also conducted various Excel and Power BI training programs for students and professionals. He is currently working as a Data Engineer at Love For Data (LFD) in Karachi. He earned his Master's in Economics from University of Karachi.

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www.frontiertechnologyinstitute.com

info@frontiertechnologyinstitute.com

+92-303-8100039

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Building 3-C, 22nd Commercial Street, Phase 2 EXT, Karachi-75500

We attempt to respond to queries in 24 hours or less. However, over weekends and holidays, our responses may take up to 72 hours.