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DATA ANALYTICS TRAINING AND PLACEMENT PROGRAM

During the last ten years, we have seen tremendous explosion of data in all sectors, private as well as public. This exponential growth in data has transformed all verticals such as finance, healthcare, manufacturing, retail, telecom, energy etc. With the advent of huge sets of data created every second, the ability to translate this huge amount of data into actionable insights has been a huge challenge for organizations, creating a huge demand for professionals who can turn that data into actionable insights that improve processes and drive company's growth.

Skillcubator's Data Analytics training and placement program will empower you to gain the knowledge and skills to conduct robust data analytics. Throughout the course, students gain proficiencies on numerous marketable technologies, including basic and advanced Microsoft Excel, Structured Query Language (SQL), Tableau, Power BI and more. Plus, students leave with an impressive professional portfolio and the confidence to succeed in the data-driven economy. The program is rigorous, fast-paced, and focused on the practical technical skills needed to solve data problems.

This program is designed to give you the flexibility you need to balance your work-life schedule by providing you with the structure and support you need to be successful in achieving your career goals.

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Is This Program Right For You?

Are you a creative, curious, and ambitious professional looking to join the data revolution? If so—or if any of the following describes your situation—enrolling in our Data Analytics training and placement program could be a smart career move:

✓ You want to switch into Information Technology field, and start your career in data analytics, data analysis or business intelligence areas.
✓ You are currently a professional working with data but are looking to advance your career by building technical skills.
✓ You are a manager or professional in a business where data can be used to boost your company's bottom line.
✓ You have interests in visualizing social, consumer, or popular trends.

Real Projects, Real Jobs

Our trainees will be qualified for many different roles, such as:
✓ Data Analyst
✓ Business Analyst
✓ SQL Developer
✓ Business Intelligence Analyst
✓ Research Analyst

Course Outline

INTRODUCTION TO DATA ANALYTICS

Introduction to Data Analytics course will give you insights into applying data and analytics principles in your business. You will gain an understanding of the complete data analytics lifecycle, from problem definition to solution deployment. Through various industry specific examples and case studies, you will learn how analytics, data visualization, and data science methodologies can be used to drive better business decisions.

Key Learning Objectives
✓ Understand how to solve analytical problems in real-world scenarios.
✓ Define effective objectives for analytics projects.

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- ✓ Work with different types of data.
- ✓ Understand the importance of data visualization to help make more
- ✓ effective business decisions.
- ✓ Understand charts, graphs, and tools used for analytics and
- ✓ visualization and use them to derive meaningful insights.
- ✓ Create an analytics adoption framework.
- ✓ Identify upcoming trends in the data analytics field.

Course curriculum
- ✓ Lesson 1 - Course Introduction
- ✓ Lesson 2 - Data Analytics Overview
- ✓ Lesson 3 - Dealing with Different Types of Data
- ✓ Lesson 4 - Data Visualization for Decision making
- ✓ Lesson 5 - Data Analysis, Data Analytics, and Business Intelligence
- ✓ Lesson 6 - Data Analytics in Different Sectors
- ✓ Lesson 7 - Analytics Framework and Latest trends

SQL Training

This course gives you the information you need to successfully start working with SQL databases and make use of the database in your applications. Learn how to correctly structure your database, author efficient SQL statements and clauses, and manage your SQL database for scalable growth.

Key Learning Objectives
- ✓ Understand databases and relationships
- ✓ Use common query tools and work with SQL commands
- ✓ Understand transactions, creating tables and views
- ✓ Comprehend and execute stored procedures

Course curriculum
- ✓ Lesson 1- Fundamentals SQL Statements
- ✓ Lesson 2-Restore and Back-up
- ✓ Lesson 3-Selection Commands: Filtering
- ✓ Lesson 4-Selection Commands: Ordering
- ✓ Lesson 5-Alias
- ✓ Lesson 6-Aggregate Commands
- ✓ Lesson 7-Group By Commands

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- ✓ Lesson 8-Conditional Statement
- ✓ Lesson 9-Joins
- ✓ Lesson 10-Subqueries
- ✓ Lesson 11-Views and Index
- ✓ Lesson 12-String Functions
- ✓ Lesson 13-Mathematical Functions
- ✓ Lesson 14-Date - Time Functions
- ✓ Lesson 15-Pattern (String) Matching
- ✓ Lesson 16-User Access Control Functions

Business Analytics with Excel

Business Analytics with Excel training will boost your analytics career with powerful new Microsoft Excel skills. This business analytics training course will equip you with the concepts and hard skills required for a strong analytics career. You'll learn the basic concepts of data analysis and statistics, helping promote data-driven decision making. Your new knowledge of this commonly used tool combined with official business analytics certification is guaranteed to ensure career success.

Key Learning Objectives
- ✓ Understand the meaning of business analytics and its importance in the industry.
- ✓ Grasp the fundamentals of Excel analytics functions and conditional formatting.
- ✓ Learn how to analyze with complex datasets using pivot tables and slicers.
- ✓ Solve stochastic and deterministic analytical problems using tools like scenario manager, solver, and goal seek.
- ✓ Apply statistical tools and concepts like moving average, hypothesis testing, ANOVA, and regression to data sets using Excel.
- ✓ Represent your findings using charts and dashboards.
- ✓ Get introduced to the latest Microsoft analytic and visualization tools, such as Power BI.

Course curriculum
- ✓ Lesson 1- Introduction to Business Analytics
- ✓ Lesson 2- Formatting Conditional Formatting and Important Functions
- ✓ Lesson 3- Analyzing Data with Pivot Tables
- ✓ Lesson 4- Dashboarding
- ✓ Lesson 5- Business Analytics with Excel
- ✓ Lesson 6- Data Analysis Using Statistics

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✓ Lesson 7- Power BI

Tableau

This Tableau course helps you understand how to build visualizations, organize data, and design charts and dashboards to empower more meaningful business decisions. You'll be exposed to the concepts of Data Visualization, different combo charts, and stories, working with filters, parameters, and sets, and building interactive dashboards.

Key Learning Objectives
✓ Become an expert on visualization techniques such as heat map, treemap, waterfall, Pareto.
✓ Understand metadata and its usage.
✓ Work with Filter, Parameters, and Sets.
✓ Master special field types and Tableau-generated fields and the process of creating and using parameters.
✓ Learn how to build charts, interactive dashboards, story interfaces, and how to share your work.
✓ Master the concepts of data blending, create data extracts and organize and format data.
✓ Master arithmetic, logical, table, and LOD calculations.

Course curriculum
✓ Lesson 01 - Getting Started with Tableau
✓ Lesson 02 - Core Tableau in Topics
✓ Lesson 03 - Creating Charts in Tableau
✓ Lesson 04 - Working with Metadata
✓ Lesson 05 - Filters in Tableau
✓ Lesson 06 - Applying Analytics to the worksheet
✓ Lesson 07 - Dashboard in Tableau
✓ Lesson 08 - Modifications to Data Connections
✓ Lesson 09 - Introduction to Level of Details in Tableau (LODS)

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Power BI Training

Microsoft Power BI is a suite of tools used to analyze your data and extract business insights by building interactive dashboards. This Power BI Training course will help you get the most out of Power BI, enabling you to solve business problems and improve operations. This Power BI Training course will help you master the development of dashboards from published reports, discover greater insight from your data with Quick Insights, and learn practical recipes for the various tasks that you can do with Microsoft Power BI—from gathering your data to analyzing it. This course also contains some handy recipes for troubleshooting various issues in Power BI.

Key Learning Objectives
✓ Create dashboards from published reports.
✓ Quickly generate visuals and dashboards with Quick Insights.
✓ Use natural language in the Q&A feature to quickly generate visuals for actionable insight.
✓ Create and manage data alerts.
✓ Get report layout and data visualization best practices.
✓ Understand which charts/graphs to use depending on the question being answered or the story being told.
✓ Use shapes to design, emphasize, and tell a story.
✓ See how to incorporate custom visuals into your reports and Dashboards.
✓ Share reports and dashboards, as well as the pros and cons of each.
✓ Complete a Power BI data analysis/visual project from start to finish.
✓ Improve team collaboration with Microsoft Teams.
✓ Know how to get and prepare your data for analysis and visualization.
✓ Learn how to create relationships between tables in your data model.
✓ Create calculated columns and measures using the DAX language.

Course curriculum
✓ Lesson 1 - Get and Prep Data like a Super Nerd
✓ Lesson 2 - Develop Your Data Nerd Prowess
✓ Lesson 3 - Developing Reports and Dashboards

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Python for Data Science

Kickstart your learning of Python for data science with this introductory course and familiarize yourself with programming.

Key Learning Objectives

✓ Write your first Python program by implementing the concepts of variables, strings, functions, loops, and conditions.
✓ Understand the nuances of lists, sets, dictionaries, conditions and branching, objects, and classes.
✓ Work with data in Python, including reading and writing files, loading, working, and saving data with Pandas.

Course Curriculum:

✓ Lesson 1 - Python Basics
✓ Lesson 2 - Python Data Structures
✓ Lesson 3 - Python Programming Fundamentals
✓ Lesson 4 - Working with Data in Python
✓ Lesson 5 - Working with NumPy Arrays

R Programming

Gain insight into the R programming language with this introductory course. An essential programming language for data analysis, R programming is a fundamental key to becoming a successful data science professional. In this course, you will learn how to write R code, learn about R's data structures, and create your own functions. After the completion of this course, you will be fully able to begin your first data analysis.

Course curriculum

✓ Lesson 1 - R Basics
✓ Lesson 2 - Data Structures in R
✓ Lesson 3 - R Programming Fundamentals
✓ Lesson 4 - Working with Data in R
✓ Lesson 5 - Strings and Dates in R

Key Learning Objectives

✓ Learn about math, variables, strings, vectors, factors, and vector operations.

✓ Gain a fundamental knowledge of arrays and matrices, lists, and data frames.
✓ Get an understanding of conditions and loops, functions in R, objects, classes, and debugging.
✓ Learn how to accurately read text, CSV, and Excel files plus how to write and save data objects in R to a file.
✓ Understand and learn how to work on strings and dates in R.

Some of the salient features of our training program are as below:

1. Attend 'On-line' from anywhere or in-person at our Mclean, Virginia location.
2. Learn from Healthcare Certified instructor, with over 15 plus years of industry experience in private and public sector in healthcare domain.
3. Emphasis on application of theory, concepts, tools and techniques in real world projects.
4. 30+ hours of training plus additional assignments, case studies and comprehensive capstone project.
5. Plenty of online quizzes, break-out sessions, in-class exercises during the live sessions.
6. A comprehensive 'Capstone' project to prepare you for a 'Real-World' environment.
7. 2 years of unlimited access to Learning Management System (LMS).
8. Flexibility to review recorded sessions as per your convenience.
9. Unlimited access to our instructor.
10. Hands-On experience on 'Industry-Standard' tools commonly used by Business Analysts at no additional cost.
11. Free placement and unlimited post placement support.
12. Free certification mentoring/coaching services to candidates.
13. No PREREQUISITES required to attend the course.

Duration: 35 hours of core training.

Fees: 2000 CAD

What's Included:

✓ Live Instructor-led training sessions.
✓ Access to learning management system (LMS).
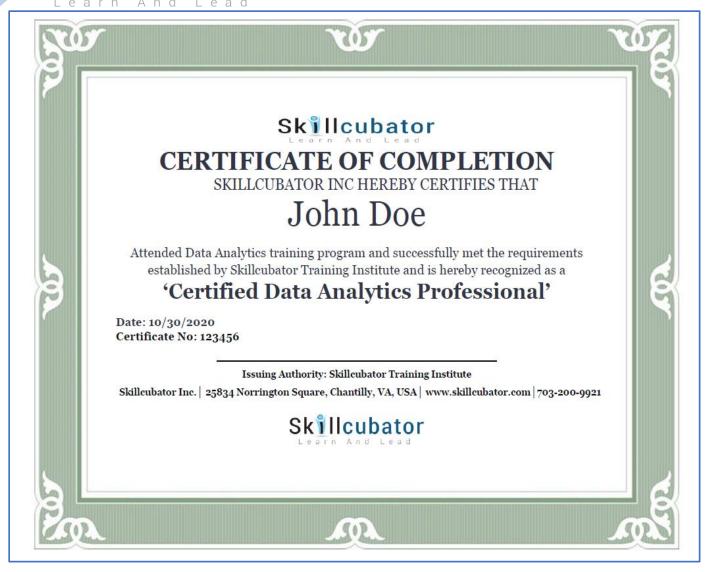✓ Recorded sessions and learning aids.

- ✓ Infographic resume, cover letter and conventional resume, LinkedIn profile makeover.
- ✓ Mock interviews.
- ✓ Placement, and post-placement support.

Schedule: Monday, Tuesday and Thursday from 8:00 PM EST to 10:00 PM EST.

Certificate of Completion

Upon completion of this Program, you will receive certificates from Skillcubator Training Institute. This certificate will testify to your skills as an expert in data analysis. You may also claim CDUs from IIBA towards any of the certification, which you are planning to take or have already taken and need to apply CDUs as part of re-certification process.

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CERTIFICATE OF COMPLETION

SKILLCUBATOR INC HEREBY CERTIFIES THAT

John Doe

Attended Data Analytics training program and successfully met the requirements established by Skillcubator Training Institute and is hereby recognized as a

'Certified Data Analytics Professional'

Date: 10/30/2020
Certificate No: 123456

Issuing Authority: Skillcubator Training Institute

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For more details on the course and our organization, please check our website www.skillcubator.com. Looking forward to talking to you at the earliest. Please feel free to call me on 703-200-9921 or email me back if you have any further questions.

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