

FOUNDATION - CURRICULUM

Technology & Domain Courses

DBMS & SQL

Beginner SQL

Database definitions and examples, ER Model concepts, Postgre installation (PGAdmin overview), SQL Fundamentals, DDL, DML, DCL, GROUP By, JOINS, Advance SQL commands-Timestamps, TO_CHAR, Mathematical functions and Operators, String functions, Sub query and Self-join

Python Programming

Python Basics

Introduction to Python, Control Statements, List, Ranges & Tuples in Python, Python Dictionaries and Sets, Python built in function, Python Object Oriented, Exceptions

Bigdata Analytics

Bigdata & Hadoop

Spark Data Frames, Spark Data Operations, Loading Data from CSV Files, Fixing Issues in Our Data, Grouping, Joining, and Aggregating, Machine Learning with Spark, Building a Recommendation System with Spark MLlib, Finalizing our Recommendation System,

Cloud

Cloud Basics

Course content, Service Models, Microsoft Azure, Amazon Web Services (AWS) Google Cloud Platform (GCP), Salesforce, Virtualization in Cloud Computing

ETL

ETL Basics

Talend Introduction, Architecture and Installation , File, Java, Filter Components tAggregateRow, tReplicate, tRunJob Components1 lecture , Join Components Sort & Looping Components, tMap and tMap Components

DW & DM

DW Fundamentals

Reflection: The Value of Data Warehousing, Data Warehousing Concepts Data Warehousing Architecture, Bring Data into Your Data Warehouse

Statistics

Statistics Beginner

Uses of Statistics, Types of Variables, Major Sources of Data, Key Terms of Statistics, Steps for Presentation of Data, Various Measures of Central Tendency, Probability & Permutation, Cases, Variables, Types of Variables, Matrix and Frequency Table, Graphs and Shapes of Distributions Mode, Median and Mean, Range

Excel

Excel Beginner

Formulas, Values, Formats, Comments, Validation, All using source themes, All except Borders, Column Widths, Formula and Number formats, Values and Number Formats, None, Add, Subtract, Multiply, Divide, Skip Blanks and Transpose), Format Cell

FOUNDATION -CURRICULUM

Behavioral Courses

Emotional Intelligence

Definition of Emotional Intelligence, 5 factors of EI, How to develop a higher sense of EI, IQ vs. EQ, Components of Emotional quotient, Characteristics of Emotionally Intelligent people, How to increase your EQ, Implementation

Business Communication

Overview of Communication, Verbal, and Non- Verbal Communication, Written Communication, Business emails, Meeting notes, Barriers to communication

Presentation Skills

Definition of presentation, Steps to focus while creating presentations, How to design a great presentation, Delivering the presentation, Techniques to manage nerves, overcoming barriers, Art of dealing questions

Corporate Etiquette

Meaning and Definition of Etiquette, Creating First Impression, Dress code, Body Language, Eye contact, Gestures and Postures, Dining Etiquette

ASSIGNMENTS & CASE STUDIES

Our Assignments and case studies are developed by the SMEs based on the skills in demand from the verticals. These are in place to develop the learners understanding of businesses in various stages of their life cycle.

Each case study covers a different aspect of the curriculum, giving you an in-depth understanding of how analytics professionals solve real business problems.

Course Outcomes-

This program is uniquely designed to incorporate real-world projects that cover essential data science tools and techniques.

This project-based learning approach will help you learn how to solve real business problems with data science, machine learning, deep learning, and AI. Some of the indicative projects are:

SQL

Upon completion
Learners should be able to read and write data, group, aggregate, merge and join data frames, create visualizations and more

Bigdata

Upon Completion
Learners should be able to use Talend Studio for Big Data integration from basics to advanced level techniques

Excel

Upon completion
Learners should be able to apply advanced formulas to lay data in readiness for analysis and Use advanced techniques for report visualizations

Cloud Computing

the end of the course the learners should have an idea about the most popular cloud computing solutions and providers, and we will see how to choose between the various cloud solutions for our business.

Python/Pyspark

To perform efficient data analytics but will have also learned to use Pyspark to easily analyze large datasets at-scale By the end of this course, in your organization.

Statistics

Upon the completion of this course acquire the fundamental skills that will enable them to understand complicated statistical analysis directly applicable to real-life situations.