

YOUR GOAL IS OUR MISSION

Our aim is to equip learners with the skills necessary to pursue successful careers in Data Science and Data Analysis

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DATAMITES® ACCOLADES

10+ Years of Excellence \star 100K+ Learners \star 20+ Accreditations







India's largest tech community

1ST RANKED INSTITUTE

BASED ON THE RESEARCH STUDY BY TECHGIG, DATAMITES IS RANKED AS THE TOP INSTITUTE FOR DATA SCIENCE



1ST RANKED AI INSTITUTE

GLOBAL CREDENTIALLING OFFICE AWARDED DATAMITES THE 1ST RANKED INSTITUTE FOR AI



CII PARTNER

DATAMITES® CHOSEN AS A PARTNER BY CII FOR PROVIDING AI TRAINING C-LEVEL **EXECUTIVES MNCS IN INDIA**





NASSCOM PARTNER

ALIGNING CURRICULUM WITH INDUSTRY REQUIREMENTS. ASSESS AND CERTIFY LEARNERS BY GOVT OF INDIA



WHY DATAMITES?

TOP 4 REASONS



Curriculum aligned with Industry Syllabus aligned with industry as per global accreditation bodies









Ashok Veda as Mentor

Highly respected Data Science coach and AI Expert as lead mentor ensuring quality mentorship



in linkedin.com/in/ashokveda/



Realtime Internship

Every learner gets Internship in the selected industry with Analytics, Data Science and AI roles for realtime experience, which is valuable in their career progress



Top Placement records

A dedicated job assistance team helped thousands of learners in transitioning into their dream job.

Check out Success Stories



KEY HIGHLIGHTS

1. Flexible Learning

Learners can repeat sessions, change batches, change learning modes, ad-hoc doubts sessions anytime.

2. Job-oriented curriculum

The course curriculum is aligned with Industry requirement by expert content team, ensuring iob-oriented curriculum

3. Elite instructors

Elite mentors and faculties members holding real-time experience from leading companies. and rom league institutes such as IIMs

4. Exclusive Practice Lab

Leaners get exclusive access to AI and Data Science online lab enabling learners to practice the concepts taught in class

5. Learning Community

Exclusive Online learning community with thousands of active learners, mentors and Alumni available for clarifying doubts and mentoring

6. Life-Time Access

Learners have life-time access to core materials supporting continuous learner beyond the course, ensuring continual learning

7. Unlimited Projects

Unlimited projects with flexibility to choose from various industries but a minimum of 5 projects are required to complete projects phase.

8. Placement Assistance

A dedicated placement assistance team will work with the learners to support in career transition. DataMites records highest placements in India.



PROGRAM STRUCTURE

STRUCTURED 3 PHASE LEARNING APPROACH

THE COURSE FOR BEGINNERS' AND INTERMEDIATE LEARNERS IN THE FIELD OF DATA ANALYTICS. THIS IS A CAREER-ORIENTED PROGRAM, DESIGNED TO IMPART A STRONG FOUNDATION IN THE DATA ANALYSIS, DATA SCIENCE FOUNDATION, STATISTICS, VISUAL ANALYTICS, DATA MODELING AND PREDICTIVE MODELING

- **NO-CODE** PROGRAM (OPTIONAL PYTHON)
- MONTHS PROGRAM 6
- 20 HOURS LEARNING A WEEK
- **200+** LEARNING HOURS
- 5+ CAPSTONE PROJECTS
- CLIENT/LIVE PROJECT
- GLOBAL **CERTIFICATIONS**
- **INTERNSHIP** EXPERIENCE CERTIFICATE
- √ JOB READY PROGRAM

INTERNSHIP & PROJECTS



LINE TRAINING 3 MONTHS

- 3-Month duration
- PROJECT MENTORING
- 5+ CAPSTONE PROJECTS
- REAL-TIME INTERNSHIP
- 1 CLIENT /LIVE PROJECT

PHASE - 1
PRE-COURSESTUDY
PRE-COURSEKS

- 3-MONTH DURATION
- LIVE TRAINING
- 20 HOUR A WEEK
- COMPREHENSIVE SYLLABUS
- PRE COURSE SELF-STUDY •
- HIGH QUALITY VIDEOS WITH EASY LEARNING APPROACH.
- HANDS-ON PROJECTS
- EXPERT TRAINERS AND **MENTORS**

CERTIFICATIONS

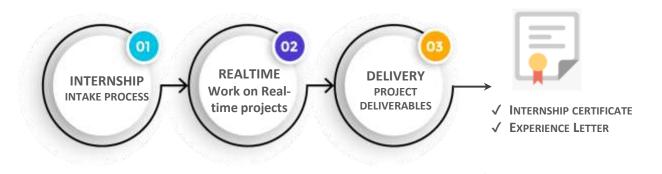
- IABAC CERT
- Course Completion
- INTERNSHIP CERT

REAL-TIME INTERNSHIP

REAL-WORLD EXPERIENCE IN IMPLEMENTING ML PROJECTS

DataMites has exclusive partnership with leading Data Science companies providing internship for DataMites learners.

These internships provide a great opportunity for the learners to apply the knowledge gained in developing real-world data model that add value to the businesses with help of dedicated team of DataMites experts and Mentors.



internship@datamites.com





JOB READY PROGRAM

END TO END SUPPORT IN JOB ASSISTANCE

DEDICATED PLACEMENT ASSISTANCE TEAM (PAT) PROVIDES END TO END ASSISTANCE IN KEY AREAS TO PROVIDE SMOOTH TRANSITION TO ARTIFICIAL INTELLIGENCE CAREER.



PLACEMENT PARTNERS



















SUTHERLAND













PROGRAM CURRICULUM

CERTIFIED DATA ANALYST - COURSE BUNDLE

- DataMites® Certified Data Analyst (CDA) Course Bundle is a specialized focused on advanced analytics and business insights. It is NO-CODE program, enabling data analytics and managers to learn advanced analytics without programing background.
- The course is **vigorously updated** as per the industry requirements and fine-tuned to make the learning process structured enabling lean learning.

BUNDLE CODE	CDM-CDA-BUN-040	LEARNING HOURS	220
ADD-ON	2-month Internship, Placements	TOTAL DURATION	4 Months

ORDER	COURSE	CODE	LEARNING HOURS
1	Data Analysis Foundation	CDM-DAF-131	20
2	Statistics Essentials	CDM-STA-139	20
3	Data Analysis Associate	CDM-DAA-137	20
4	Advanced Data Analytics	CDM-ADA-134	40
5	Predictive Analytics with Machine Learning	CDM-PAM-140	40
6	Database: SQL and MongoDB	CDM-DBM-120	40
8	Version Control with Git	CDM-GIT-115	20
7	Big Data Foundation	CDM-BDF-117	20
9	Python Foundation	CDM-PYF-110	40
10	Certified Business Intelligence(BI) Analyst	CDM-BIA-119	20

Important Note: The curriculum is subjected to change as required by the global accreditation bodies to align with industry requirements. Please check with your counsellor or drop email to care@datamites.com for updated curriculum



DATA ANALYSIS FOUNDATION

COURSE CODE	CDM-DAF-131	LECTURE HOURS	8 hrs.
PREREQUISITES	MS Excel Essentials	LEARNING HOURS	20 hrs.

MODULE 1

DATA ANALYSIS FOUNDATION

- Data Analysis Introduction
- Data Preparation for Analysis
- Common Data Problems
- Various Tools for Data Analysis
- Evolution of Analytics domain

MODULE 2

CLASSIFICATION OF ANALYTICS

- Four types of the Analytics
- Descriptive Analytics
- Diagnostics Analytics
- Predictive Analytics
- Prescriptive Analytics
- Human Input in Various type of Analytics

MODULE 3

CRIP-DM Model

- Introduction to CRIP-DM Model
- Business Understanding
- Data Understanding
- Data Preparation
- Modeling
- Evaluation
- Deploying
- Monitoring

MODULE 4

UNIVARIATE DATA ANALYSIS

- Summary statistics -Determines the value's center and spread.
- Measure of Central Tendencies: Mean, Median and Mode
- Measures of Variability: Range, Interquartile range, Variance and Standard Deviation
- Frequency table -This shows how frequently various values occur.
- Charts -A visual representation of the distribution of values.

MODULE 5

DATA ANALYSIS WITH VISUAL CHARTS

- Line Chart
- Column/Bar Chart
- Waterfall Chart
- Tree Map Chart
- Box Plot

MODULE 6

BI-VARIATE DATA ANALYSIS

- Scatter Plots
- Regression Analysis
- Correlation Coefficients





STATISTICS ESSENTIALS

COURSE CODE	CDM-STA-139	LECTURE HOURS	8 hrs.
PREREQUISITES	None	LEARNING HOURS	20 hrs.

MODULE 1

OVERVIEW OF STATISTICS

- Descriptive And Inferential Statistics
- **Basic Terms Of Statistics**
- Types Of Data

MODULE 2

HARNESSING DATA

- Random Sampling
- Sampling With Replacement And Without Replacement
- Cochran's Minimum Sample Size
- Simple Random Sampling
- Stratified Random Sampling
- Cluster Random Sampling
- Systematic Random Sampling
- Biased Random Sampling Methods
- Sampling Error
- Methods Of Collecting Data

MODULE 3

EXPLORATORY DATA ANALYSIS

- Exploratory Data Analysis Introduction
- Measures Of Central Tendencies: Mean, Median And Mode
- Measures Of Central Tendencies: Range, Variance And Standard Deviation
- Data Distribution Plot: Histogram
- Normal Distribution
- Z Value / Standard Value
- Empherical Rule and Outliers
- Central Limit Theorem
- Normality Testing
- Skewness & Kurtosis
- Measures Of Distance: Euclidean, Manhattan And Minkowski Distance

MODULE 4

HYPOTHESIS TESTING

- Hypothesis Testing Introduction
- P- Value, Confidence Interval
- Parametric Hypothesis Testing Methods
- Hypothesis Testing Errors: Type I And Type Ii
- One Sample T-test
- Two Sample Independent T-test
- Two Sample Relation T-test
- One Way Anova Test

MODULE 5

CORRELATION AND REGRESSION

- Correlation Introduction
- **Direct/Positive Correlation**
- Indirect/Negative Correlation
- Regression
- Choosing Right Method.



DATA ANALYSIS ASSOCIATE

COURSE CODE	CDM-DAA-131	LECTURE HOURS	8 hrs.
PREREQUISITES	MS Excel Essentials	LEARNING HOURS	20 hrs.

MODULE 1

COMPARISION AND CORRELATION ANALYSIS

- Data comparison Introduction
- Concept of Correlation
- Calculating Correlation with Excel
- Comparison vs Correlation
- Performing Comparison Analysis on Data
- Performing correlation Analysis on Data
- Hands-on case study 1: Comparison Analysis
- Hands-on case study 2 Correlation Analysis

MODULE 2

VARIANCE AND FREQUENCY ANALYSIS

- Concept of Variability and Variance
- Data Preparation for Variance Analysis
- Business use cases for Variance and Frequency Analysis
- Performing Variance and Frequency Analysis
- Hands-on case study 1: Variance Analysis
- Hands-on case study 2: Frequency Analysis

MODULE 3

RANKING ANALYSIS

- Introduction to Ranking Analysis
- Data Preparation for Ranking Analysis
- Performing Ranking Analysis with Excel
- Insights for Ranking Analysis
- Hands-on Case Study: Ranking Analysis

MODULE 4

BREAK EVEN ANALYSIS

- Concept of Breakeven Analysis
- Make or Buy Decision with Break Even
- Preparing Data for Breakeven Analysis
- Hands-on Case Study: Procurement Decision with break even

MODULE 5

PARETO (80/20 RULE) ANALSYSIS

- Pareto rule Introduction
- Preparation Data for Pareto Analysis
- Insights on Optimizing Operations with Pareto Analysis
- Performing Pareto Analysis on Data
- Hands-on case study: Pareto Analysis

MODULE 6

Time Series and Trend Analysis

- Introduction to Time Series Data
- Preparing data for Time Series Analysis
- Types of Trends
- Trend Analysis of the Data with Excel
- Insights from Trend Analysis
- Hands-on Case Study: Trend Analysis

MODULE 7

DATA ANALYSIS BUSINESS REPORTING

- Management Information System Introduction
- Various Data Reporting formats
- Creating Data Analysis reports as per the requirements
- Presenting the reports
- Hands-on case study: Create Data Analysis Reports





ADVANCED DATA ANALYTICS

COURSE CODE	CDM-ADA-134	LECTURE HOURS	16 hrs.
PREREQUISITES	MS Excel Essentials	LEARNING HOURS	40 hrs.

MODULE 1

DATA ANALYTICS FOUNDATION

- Business Analytics Overview
- Application of Business Analytics
- Visual Perspective
- Benefits of Business Analytics
- Challenges
- · Classification of Business Analytics
- Data Sources
- Data Reliability and Validity
- Business Analytics Model

MODULE 2

OPTIMIZATION MODELS

- Prescriptive Analytics with Low Uncertainty
- Mathematical Modeling and Decision Modeling
- Break Even Analysis
- Product Pricing with Prescriptive Modeling
- Building an Optimization Model
- Case Study 1: WonderZon Network Optimization
- Assignment 1 : KERC Inc, Optimum Manufacturing Quantity

MODULE 3

PREDICTIVE ANALYTICS WITH REGRESSION

- Mathematics beyond Linear Regression
- Hands on: Regression Modeling in Excel
- Case Study 2 : Sales Promotion Decision with Regression Analysis
- Assignment 2 : Design Marketing Decision board for QuikMark Inc.

MODULE 4

DECISION MODELING

- Prescriptive Analytics with High Uncertainty
- Comparing Decisions in Uncertain Settings
- Decision Trees for Decision Modeling
- Case Study 3: Decision modeling of Internet Plans, Monte Carlo Simulation
- Case Study 4: Kickathlon Sports Retailer Supplier Decision Modeling





PREDICTIVE ANALYTICS WITH ML

COURSE CODE	CDM-MLE-113	LECTURE HOURS	16 hrs.
PREREQUISITES	None	LEARNING HOURS	40 hrs.

MODULE 1

MACHINE LEARNING INTRODUCTION

- What Is ML? ML Vs AI
- ML Workflow, Popular ML Algorithms
- Clustering, Classification And Regression
- Supervised Vs Unsupervised

MODULE 2

ML ALGO: LINEAR REGRESSSION

- Introduction to Linear Regression
- How it works: Regression and Best Fit Line
- Hands-on Linear Regression with ML Tool

MODULE 3

ML ALGO: LOGISTIC REGRESSION

- Introduction to Logistic Regression
- How it works: Classification & Sigmoid Curve
- Hands-on Logistics Regression with ML Tool

MODULE 4

ML ALGO: KNN

- Introduction to KNN
- How It Works: Nearest Neighbor Concept
- Hands-on KNN with ML Tool

MODULE 5

ML ALGO: K MEANS CLUSTERING

- Understanding Clustering (Unsupervised)
- K Means Algorithm
- How it works: K Means theory
- Hands-on K Means Clustering with ML Tool

MODULE 6

ML ALGO: DECISION TREE

- Random Forest Ensemble technique
- How it works: Bagging Theory
- Hands-on Decision Tree with ML Tool

MODULE 7

ML ALGO: SUPPORT VECTOR MACHINE (SVM)

- Introduction to SVM
- How It Works: SVM Concept, Kernel Trick
- Modeling and Evaluation of SVM in Python

MODULE 8

ARTIFICIAL NEURAL NETWORK (ANN)

- Introduction to ANN
- How It Works: Back prop, Gradient Descent
- Modeling and Evaluation of ANN in Python

MODULE 9

PROJECT: PREDICTIVE ANALYTICS WITH ML

- Project Business requirements
- Data Modeling
- Building Predictive Model with ML Tool
- Evaluation and Deployment
- Project Documentation and Report



DATABASE: SQL AND MONGODB

COURSE CODE	CDM-DBM-120	LECTURE HOURS	16 hrs.
PREREQUISITES	None	LEARNING HOURS	40 hrs.

MODULE 1

DATABASE INTRODUCTION

- DATABASE Overview
- Key concepts of database management
- CRUD Operations
- Relational Database Management System
- RDBMS vs No-SQL (Document DB)

MODULE 2

SQL BASICS

- Introduction to Databases
- Introduction to SQL
- SQL Commands
- MY SQL workbench installation
- Comments
- import and export dataset

MODULE 3

DATA TYPES AND CONSTRAINTS

- Numeric, Character, date time data type
- Primary key, Foreign key, Not null
- Unique, Check, default, Auto increment

MODULE 4

DATABASES AND TABLES (MySQL)

- Create database
- Delete database
- Show and use databases
- Create table, Rename table
- Delete table, Delete table records
- Create new table from existing data types
- Insert into, Update records
- Alter table

MODULE 5

SQL JOINS

- Inner join
- Outer join
- Left join
- Right join
- Cross join
- Self join

MODULE 6

SQL COMMANDS AND CLAUSES

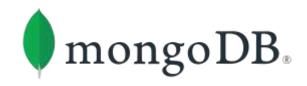
- Select, Select distinct
- · Aliases, Where clause
- Relational operators, Logical
- Between, Order by, In
- Like, Limit, null/not null, group by
- Having, Sub queries

MODULE 7

DOCUMENT DB/NO-SQL DB

- Introduction of Document DB
- Document DB vs SQL DB
- Popular Document DBs
- MongoDB basics
- Data format and Key methods
- MongoDB data management







VERSION CONTROL WITH GIT

COURSE CODE	CDM-GIT-115	LECTURE HOURS	8 hrs.
PREREQUISITES	None	LEARNING HOURS	20 hrs.

MODULE 1

GIT INTRODUCTION

- Purpose of Version Control
- Popular Version control tools
- Git Distribution Version Control
- Terminologies
- Git Workflow
- Git Architecture

MODULE 2

GIT REPOSITORY and GitHub

- Git Repo Introduction
- Create New Repo with Init command
- Copying existing repo
- Git user and remote node
- Git Status and rebase
- Review Repo History
- GitHub Cloud Remote Repo

MODULE 3

COMMITS, PULL, FETCH AND PUSH

- Code commits
- Pull. Fetch and conflicts resolution
- Pushing to Remote Repo

MODULE 4

TAGGING, BRANCHING AND MERGING

- Organize code with branches
- Checkout branch
- Merge branches

MODULE 5

UNDOING CHANGES

- Editing Commits
- Commit command Amend flag
- Git reset and revert

MODULE 6

GIT WITH GITHUB AND BITBUCKET

- Creating GitHub Account
- Local and Remote Repo
- Collaborating with other developers
- Bitbucket Git account









BIG DATA FOUNDATION

COURSE CODE	CDM-BDF-117	LECTURE HOURS	8 hrs.
PREREQUISITES	Python Foundation	LEARNING HOURS	20 hrs.

MODULE 1

BIG DATA INTRODUCTION

- Big Data Overview
- Five Vs of Big Data
- What is Big Data and Hadoop
- Introduction to Hadoop
- Components of Hadoop Ecosystem
- Big Data Analytics Introduction

MODULE 2

HDFS AND MAP REDUCE

- HDFS Big Data Storage
- Distributed Processing with Map Reduce
- Mapping and reducing stages concepts
- Key Terms: Output Format, Partitioners, Combiners, Shuffle, and Sort
- Hands-on Map Reduce task

MODULE 3

PYSPARK FOUNDATION

- PySpark Introduction
- Spark Configuration
- Resilient distributed datasets (RDD)
- Working with RDDs in PySpark
- Aggregating Data with Pair RDDs

MODULE 4

SPARK SQL and HADOOP HIVE

- Introducing Spark SQL
- Spark SQL vs Hadoop Hive
- Working with Spark SQL Query Language

MODULE 5

MACHINE LEARNING WITH SPARK ML

- Introduction to MLlib Various ML algorithms supported by Mlib
- ML model with Spark ML.
- Linear regression
- logistic regression
- Random forest

MODULE 6

KAFKA and Spark

- Kafka architecture
- Kafka workflow
- Configuring Kafka cluster
- Operations







PYTHON FOUNDATION

COURSE CODE	CDM-PYF-110	LECTURE HOURS	16 hrs.
PREREQUISITES	None	LEARNING HOURS	40 hrs.

MODULE 1

PYTHON BASICS

- Introduction of python
- Installation of Python and IDE
- Python objects
- Python basic data types
- Number & Booleans, strings
- Arithmetic Operators
- Comparison Operators
- Assignment Operators
- Operator's precedence and associativity

MODULE 2

PYTHON CONTROL STATEMENTS

- IF Conditional statement
- IF-ELSE
- NESTED IF
- Python Loops basics
- WHILE Statement
- FOR statements
- BREAK and CONTINUE statements

MODULE 3

PYTHON DATA STRUCTURES

- Basic data structure in python
- String object basics and inbuilt methods
- List: Object, methods, comprehensions
- Tuple: Object, methods, comprehensions
- Sets: Object, methods, comprehensions
- Dictionary: Object, methods, comprehensions

MODULE 4

PYTHON FUNCTIONS

- Functions basics
- Function Parameter passing
- Iterators
- Generator functions
- Lambda functions
- Map, reduce, filter functions

MODULE 5

PYTHON NUMPY PACKAGE

- NumPy Introduction
- Array Data Structure
- Core Numpy functions
- Matrix Operations

MODULE 6

PYTHON PANDAS PACKAGE

- Pandas functions
- Data Frame and Series Data Structure
- Data munging with Pandas
- Imputation and outlier analysis











CERTIFIED BI ANALYST

COURSE CODE	CDM-BIA-119	LECTURE HOURS	8 hrs.
PREREQUISITES	None	LEARNING HOURS	20 hrs.

MODULE 1

BUSINESS INTELLIGENCE INTRODUCTION

- What Is Business Intelligence (BI)?
- What Bi Is The Core Of Business Decisions?
- BI Evolution
- Business Intelligence Vs Business Analytics
- Data Driven Decisions With Bi Tools
- The Crisp-Dm Methodology

MODULE 2

BI WITH TABLEAU: INTRODUCTION

- The Tableau Interface
- Tableau Workbook, Sheets And Dashboards
- Filter Shelf, Rows And Columns
- Dimensions And Measures
- Distributing And Publishing

MODULE 3

TABLEAU: CONNECTING TO DATA SOURCE

- Connecting To Data File , Database Servers
- Managing Fields
- Managing Extracts
- Saving And Publishing Data Sources
- Data Prep With Text And Excel Files
- Join Types With Union
- Cross-Database Joins
- Data Blending
- Connecting To Pdfs

MODULE 4

TABLEAU: BUSINESS INSIGHTS

- Getting Started With Visual Analytics
- Drill Down And Hierarchies
- Sorting & Grouping
- Creating And Working Sets
- Using The Filter Shelf
- Interactive Filters
- Parameters
- The Formatting Pane
- Trend Lines & Reference Lines
- Forecasting
- Clustering

MODULE 5

DASHBOARDS, STORIES AND PAGES

- Dashboards And Stories Introduction
- Building A Dashboard
- Dashboard Objects
- Dashboard Formatting
- Dashboard Interactivity Using Actions
- Story Points
- Animation With Pages

MODULE 6

BI WITH POWER-BI

- Power BI basics
- Basics Visualizations
- Business Insights with Power BI







CONTACTS & ADMISSION

CERTIFIED DATA ANALYST – PROGRAM ENQUIRY

DURATION : 6 MONTHS

LEARNING MODE : LIVE ONLINE / IN-PERSON CLASSROOM (SELECTED CITIES)

24x7 live chat @ www.datamites.com | admissions@datamites.com

INDIA:+91 1800-313-3434 | US: +1 628 228 6062 | UK: +44 752 066 5626



20 HOURS A WEEK COMMIMENT



DATA ANALYTICS RATED AS THE TOP 5 CAREER CHOICE

HIGHEST PAID - RECESSION PROOF - MILLIONS OF JOBS



TAKE YOUR FIRST STEP TOWARDS DATA ANALYTICS CAREER

ENQUIRE NOW

