



## ProAzure Software Solutions Pvt. Ltd.

*Innovation to Societal*

Provide AICTE, ISTE | Provide MSBTE Approved Industrial Training | Technical and Academic Workshops |  
Project | Classes | Training and Placement Program | Personality development and Carrier Guidance Program |  
MCED | EDP | Artificial Intelligence | Machine Learning | IOT | Python Workshops | RPA

### 1<sup>st</sup> Week Schedule (Data Science)

Sr.No	Day	Content (Core Python)
1	Day 1	Introduction to python, Data types , variables ,Keywords.
2	Day 2	Syntax of python language compare to other programming, Python installation
3	Day 3	Print statement, Comments, Input and Output in python, strings in python
4	Day 4	List, Set, Tuple, Dictionary, Operations in python, Indentation
5	Day 5	Control Statements, Loop, Range Statement, Break and Continue, Functions in Python
6	Day 6	Lambda Function, OPP in python, Inheritance, Polymorphism, Encapsulation, Abstraction



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### 2<sup>nd</sup> Week Schedule (Data Science)

Sr.No	Day	Content (R Programming)
1	Day 7	File Handling and Exception Handling
2	Day 8	Advanced Libraries, Pandas, Numpy,
3	Day 9	Advanced Libraries Seaborn, Matplotlib
4	Day 10	Introduction to R, Installation of R Studio Data types in R,
5	Day 11	Relational Operators, Logical Operators, Decision Making Statements
6	Day 12	Loops, Functions in R Programming



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### 3<sup>rd</sup> Week Schedule (Data Science)

Sr.No	Day	Content (SQL and MySQL)
1	Day 13	Merging data frames, Analyzing Iris Dataset using apply functions, dplyr package
2	Day 14	Introduction of SQL, What is Database, What is Table, Data Definition Language (DDL), Data Manipulation Language (DML)
3	Day 15	Create a new Database, Create a new Table, Data Types- Numeric ,Datetime, char, SQL Select, SQL Distinct
4	Day 16	SQL AND, OR ,IN ,BETWEEN, SQL LIKE, Group BY Clause
5	Day 17	Having Clause, Aggregate Functions, Count, Min, Max
6	Day 18	Constraints, Not Null, Unique , Check , Default, Primary Key, Foreign Key, Joins



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### 4<sup>th</sup> Week Schedule (Data Science)

Sr.No	Day	Content (My SQL and Power BI)
1	Day 19	Inner Join , Left join, Right join, Cross join , Self join, Union, Intersect, Sub-query
2	Day 20	Introduction to MySQL, Introduction to Database.
3	Day 21	Understanding Power BI Background, Installation of Power BI and checklist for perfect installation, Formatting and Setting prerequisites
4	Day 22	Understanding the difference between Power BI desktop & Power
5	Day 23	Power BI user interface, Power BI Visualization, Understanding Column Chart, Understanding Line Chart
6	Day 24	Implementation of Conditional formatting, Implementation of Formatting techniques



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### 5<sup>th</sup> Week Schedule (Data Science)

Sr.No	Day	Content (Power Bi, ML)
1	Day 25	Power Query Editor Filter Data, Customize the data in Power BI
2	Day 26	Project-I
3	Day 27	Project-I
4	Day 28	Project-I
5	Day 29	Project-I
6	Day 30	Project-I