

Unleashing the potential of our youth: Student performance analysis  
The project submitted in the internship of the requirements  
of the award of the degree

**BACHELOR OF TECHNOLOGY  
IN  
COMPUTER SCIENCE ENGINEERING**

Submitted by

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## DAY 1

### Step 1

#### Overview R - Environment Setup

Turn to understand the R environment and its use in data analyst

### Step 2

#### Data TypeR - Basic Syntax

Data that is used for a set of dataset to include and perform from the R programming by using the simple syntax and makes the use of all the data to take into consideration and put a procedure of it.

### Step 3

#### Variables R-Operator

The operators and variables used to handle the entire process of the data set and proceed the process for the real time data sets too

### Step 4

#### Decision making R - Loops

### Step 5

#### R – Functions R - Strings -

Strings of the data that processes the dataset to know the strings of the data to module them according to the R

### Step 6

#### R – Vectors R - Lists

## DAY2

### Step 1

#### R – Matrices R - Arrays -

Matrices of the data set of R sowing the data modules

### Step 2

#### Factors R - Data Frames

Different data objects and frames to be performed and to get the data at the end of the programming data aspects of the scenario.

Step 3

R – Packages R - Data Reshaping

Data to be converted and gaining the data at the level of standards and providing the clear data.

Step 3

R - CSV Files R - Excel File

Csv file to be the data module of every data frame that converts its form the other and to get the data files in excel form and create the files of the data frames.

Step 4

Binary Files R- XML Files

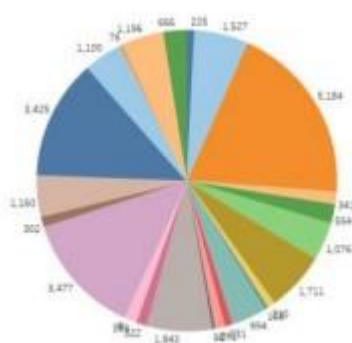
Step 5

JSON Files R - Web Data

DAY3

Step1

R – Databases R - Pie Charts



Step2

Bar Charts R - Boxplots Step3

Histograms R - Line Graphs Step4

Scatterplots R - Mean, Median and Mode Step5

Linear Regression R - Multiple Regression

Step 6

R - Logistic Regression R - Logistic Regression

DAY4

Step1

Overview Python - Environment Setup

Step 2

Basic Syntax Python - Comments

Step 3

Variables Python - Data Types

Step 4

Variables Python - Decision Making

Step5

Loops Python - Numbers

Step6

Strings Python - Lists

DAY5

Step1

Tuples Python - Dictionary

Step2

Date & Time Python - Functions

Step3

Python – Modules Python - Files I/O

Step4

Exceptions Handling

Step5

Object Oriented Python - Regular Expressions

Step6

MySQL Database Access

DAY6

Step1

Network Programming Python - Sending Email using SMTP

Step2

Multithreaded Programming

Step3

XML Processing

Step4

GUI Programming (TkINTER)

DAY7

Step1

Introduction to SQL SQL Syntax

Sep2

SQL SELECT Statement SQL SELECT DISTINCT

Step3

SQL WHERE Clause SQL AND, OR and NOT Operators

Step4

SQL ORDER BY Keyword SQL INSERT INTO

Step5

SQL NULL Values SQL UPDATE

Step6

SQL DELETE Statement SQL TOP, LIMIT, FETCH FIRST or  
ROWNUM Clause

DAY8

Step1

SQL GROUP BY SQL HAVING

Step2

SQL EXISTS Operator SQL ANY and ALL

Step3

SQL INSERT INTO SELECT SQL SELECT INT

Step4

SQL CASE Expression SQL NULL Functions

Step5

SQL Stored Procedures for SQL Server

Step6

SQL Comments SQL Operator

DAY9

Step1

SQL CREATE DATABASE Statement

Step2

SQL DROP DATABASE SQL BACKUP DATABASE

Step3

SQL CREATE TABLE SQL DROP TABLE

Step4

SQL Wildcards SQL LIKE Operator

Step5

SQL IN SQL BETWEEN Operator SQL Aliases

Step6

SQL Joins SQL HAVING Clause

DAY10

Step1

SQL UNIQUE SQL PRIMARY KEY Constraint

Step2

SQL FOREIGN KEY Constraint SQL CHECK

Step3

SQL DEFAULT SQL CREATE INDEX

Step4

SQL AUTO INCREMENT FIELD SQL Working With Dates

Step5

SQL VIEWS SQL INJECTION SQL Hosting

Step6

SQL Data Types FOR MYSQL, SQL Server, and MS Access

DAY11

Step1

SQL Keywords REFERENCE SQL ADD Keyword

Step2

SQL ADD CONSTRAINT SQL ALL Keyword

Step3

SQL ALTER SQL ALTER COLUMN Keyword

Step4

SQL ALTER TABLE SQL ANY

Step5

SQL CONSTRAINT SQL CREATE DATABASE

Step6

SQL CREATE OR REPLACE VIEW Keyword.