



Hindustan

Institute of Technology & Science

DATA VISUALIZATION (ITC4370)

ASSIGNMENT-1

Submitted To:

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(Assistant professor I)

Submitted By:

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Microsoft Power BI :

Power BI is a Business Intelligence and Data Visualization tool for converting data from various data sources into interactive dashboards and analysis reports.

History of Power BI

- Power BI was conceptualized by Ruler and Diers Netz of the SQL server coverage services team at Microsoft.
- It was designed by West Chadwick George in the year 2010 and named as a Project Crescent.
- In 2011, It was bundled with SQL Server Codenamed Mount McKinley.

Advantages of Power BI

- Offers pre-built dashboards and reports for SaaS Solutions.
- Provide real-time dashboard updates.
- Secure and reliable connection to your data sources in the cloud or on-premises.
- Power BI offers quick deployment, hybrid configuration, and a secure environment.
- Data exploration using natural language query.
- Feature for dashboard visualization.

Disadvantages of Power BI

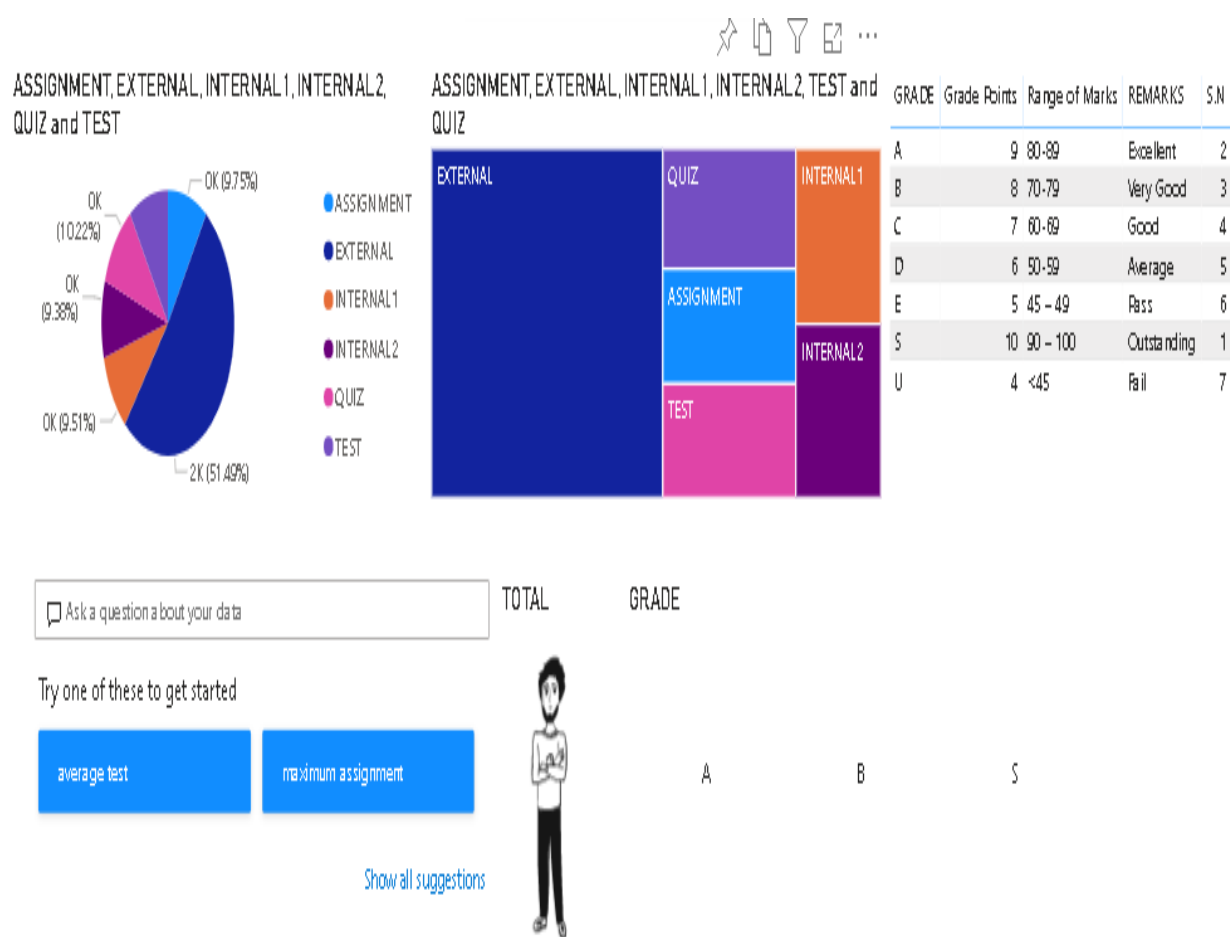
- Dashboards and reports only shared with users having the same email domains.
 - Power BI will not mix imported data, which is accessed from real-time connections.
 - Power BI will not accept the file larger than 250M B and zip file which compressed by the data of X-velocity in-memory database.
 - Power BI can't accept file size larger than 1 GB.
- Hence BI helps us to analyze data and to provide actionable information which helps corporate executives, business managers to make informed business decisions.

Student Semester wise Marks(Data Set):

SUBJECT	INTERNAL1	INTERNAL2	ASSIGNMENT	TEST	QUIZ	EXTERNAL	TOTAL	GRADE	PERCENTAGE
Professional English and Soft Skills	5	6	10	8	5	40	74	B	74
Matrices and Calculus	8	8	9	8	9	45	87	A	87
Engineering Physics	7	9	8	10	7	42	83	A	83
Problem Solving Using C*	9	9	8	7	10	48	91	S	91
Introduction to Digital Systems	5	6	8	7	8	40	74	B	74
Engineering Immersion Lab	9	9	9	8	7	45	87	A	87
Engineering Physics Lab	7	6	8	9	10	45	85	A	85
Analytical Mathematics	9	8	10	9	10	47	93	S	93
Engineering Materials	7	6	8	9	9	44	83	A	83
Engineering Graphics and Computer Aided Design	6	7	8	9	10	43	83	A	83
Sustainable Engineering Systems	8	7	8	9	5	40	77	B	77
Engineering and Design	9	8	5	6	10	40	78	B	78
Object Oriented and Java Programming	10	10	10	10	10	50	100	S	100
Data Structures and Algorithms	10	9	8	7	10	48	92	S	92
Data Structures Lab using Object Oriented Programming	9	7	10	9	10	48	93	S	93
Engineering Immersion Lab	8	7	9	8	9	40	81	A	81
Materials Chemistry Lab	8	7	7	6	10	43	81	A	81
Partial Differential Equations and Transforms	9	6	10	9	8	38	80	B	80
Database Technologies	10	9	8	7	9	42	85	A	85
Advanced Java Programming	10	10	10	10	10	48	98	S	98
Professional Ethics and Life Skills	6	8	6	7	8	40	75	B	75
soft computing	8	10	8	8	9	41	84	A	84
web design and Development	9	9	10	6	8	45	87	A	87
Advanced Java Programming Lab	9	10	9	10	10	45	93	S	93
Database Technologies Lab	7	9	8	9	8	48	89	A	89
Design Project – I	8	7	6	8	10	40	79	B	79
Probability and Statistics	9	7	7	8	9	44	84	A	84
Data communications and networking	7	6	6	7	8	40	74	B	74

Operating Systems	7	9	9	9	8	46	88	A	88
Web and Mobile Programming	9	9	9	8	9	50	94	S	94
Decesion Modelling	8	8	10	10	10	45	91	S	91
Android application Development	10	10	7	8	8	47	90	A	90
Web and Mobile Programming Lab	10	9	9	9	8	46	91	S	91
System Programming Lab	6	7	9	8	8	44	82	A	82
Design Project – II	8	8	7	8	8	40	79	B	79

OutPut :



Output: <http://bit.do/Data-visualization-Assignment-1>

DataSet : <http://bit.do/Data-visualization-Dataset>

.....Thank you mam.....

.....End.....