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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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 Dhers Netz of the SQL server coverage services team at Microsoft.
• It was designed by West Chadic 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 250MB 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.

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 Modellimg	8	8	10	10	10	45	91	S	91
Android application Devlopment	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

ASSIGNMENT, EXTERNAL, INTERNAL 1, INTERNAL 2, QUIZ and TEST

- OK (9.75%)
- OK (10.22%)
- OK (9.38%)
- OK (9.51%)
- 2K (51.49%)

Legend:
- ASSIGNMENT
- EXTERNAL
- INTERNAL 1
- INTERNAL 2
- QUIZ
- TEST
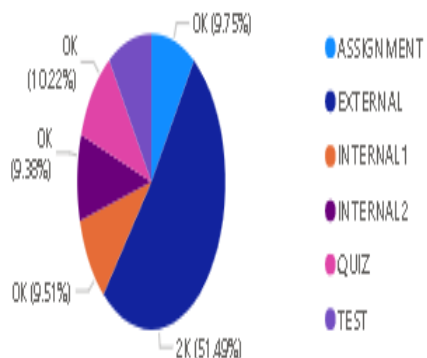
ASSIGNMENT, EXTERNAL, INTERNAL 1, INTERNAL 2, TEST and QUIZ

EXTERNAL | QUIZ | INTERNAL 1
ASSIGNMENT | INTERNAL 2
TEST
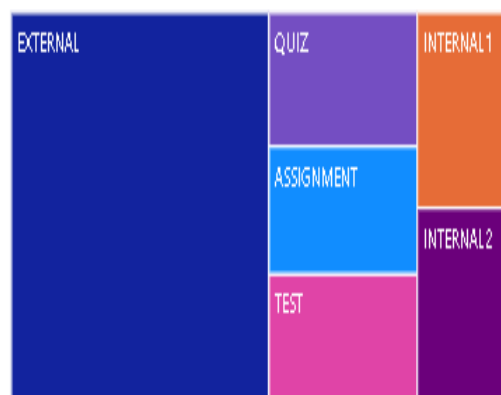
GRADE	Grade Points	Range of Marks	REMARKS	S.N
A	9	80-89	Excellent	2
B	8	70-79	Very Good	3
C	7	60-69	Good	4
D	6	50-59	Average	5
E	5	45 – 49	Pass	6
S	10	90 – 100	Outstanding	1
U	4	<45	Fail	7

Ask a question about your data

Try one of these to get started

average test   maximum assignment

Show all suggestions

TOTAL   GRADE

A   B   S

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

DataSet : **http://bit.do/Data-visualization-Dataset**

………Thank you mam…………..

…………End………………..