7DAYS- POWER BI MENTORSHIP PROGRAMME

PROGRAMME

With an objective to acquaint the students with a widely used Microsoft software- POWER BI, Statistika- The department of Statistics, Mata Sundri College for Women with collaboration with IQAC, organized a 7-days interdisciplinary workshop on Power BI which used to take place on weekends between 17th September - 8th October.

NIHARIKA GARG, ITI GUPTA from 3rd year, BSc. (H) Statistics took the initiative for mentoring this workshop and the event was successful one under the guidance of **our Principal ma'am- Prof. Harpreet Kaur, Teacher In-charge- Dr. Prabhsharn kaur, Convener- Dr. Meenu Goel and Co-convener- Dr. Komal Goel.**

The enormous response was well recognized through the registration of around 110 students from various departments like Statistics, Computer Science, Mathematics, Psychology, BCom hons, BA prog and so on. The workshop was well appreciated by the students. It has inspired them to explore these areas further and it has given them a platform to create new visualizations for different data sets.

Overview of topic discussed.

DAY 1
(INTRODUCTION TO POWER BI AND HOW TO DOWNLOAD POWER BI)

The 1st day of the Power BI workshop was a comprehensive introduction to the world of Power BI, with two expert mentors guiding participants through essential concepts and practical skills. The session started with a welcome speech by Charvi Singh.The first half was mentored by Niharika Garg, covering "What is Power BI?" "Components of Power BI," and "Benefits of Power BI." The second half was led by Iti Gupta, delving into "Increasing Demand of Power BI," "How Power BI Works," "How to Download Power BI," and an explanation of "How to Upload a Database in Power BI Desktop." After which the doubt clearing session was taken up where the participants cleared their doubts. The day concluded with a quiz facilitated by Niharika Garg to assess participants' understanding.

DAY 2
(Basic Charts)

The 2nd day of the Power BI workshop continued to empower participants with practical skills in data visualisation. It was divided into two sessions, each led by expert mentors. The first half, mentored by Iti Gupta, covered the creation of four essential charts: "Column Chart," "Line Chart," "Stacked Column Chart," and "Line with Column Chart." The second half, guided by Niharika Garg, explored more advanced chart types: "Ribbon Chart," "Donut Chart," "Pie Chart," "Area Chart," and "Funnel Chart." The day included a doubt-clearing session and concluded with the sharing of a Google link for the quiz.

DAY 3
(Different charts, Table & Matrix)

On the 3rd day of the Power BI workshop, we delved into data visualisation and analysis. Niharika Garg covered "Scatter plots", "Waterfall charts", "Tree maps", and "Gauge charts" in the first half. Iti Gupta explained "Table and Matrix" creation in the second half. The day wrapped up with a doubt session and sharing a Google link for a quiz.

DAY 4
(Maps)

On the 4th day of the Power BI workshop, we delved into valuable insights. Iti Gupta, our mentor, introduced us to the intricacies of "Bubble Maps" and "Bubble Maps with Pie Charts". In the latter half, Niharika Garg took the lead, imparting her expertise on "Filled Maps" and also gave insights on how to edit/Format maps. The day concluded with an interactive doubt-clearing session.

DAY 5

[Cards and filters]

On the 5th day of the Power BI workshop, participants delved deeper into advanced features of the tool. Iti Gupta mentored one half of the session, focusing on creating informative cards, including "Number Card," "Text Card,"

"Date Card," and "Multi-Row Card. In the other half of the session, Niharika Garg guided participants through the world of filters, covering "Filter on Visuals," "Filters on This Page," and "Filter on All Pages". After which a doubt clearing session was held. The day concluded with a Google Form quiz.

DAY-6
(Different type of slicers and creation of dashboard)

During the sixth day of the Power BI Basics workshop, Mentor Niharika conducted an in-depth session on Slicer functionality. She covered "Slicer for Date, Slicer for Text, Slicer for Number, and their formatting". In the second half of the workshop mentor Iti led a discussion on Dashboards, emphasizing key components like "Q&A", "Bubble Map", "Table", and "Clustered Column Chart". Additionally, participants learned how to incorporate "text, date, and number cards" into their Dashboards, making it a comprehensive learning experience. The day ended with a doubt-clearing session and giving an "Assignment".

DAY 7
(Preparing dashboard)

On the 7th day of the Power BI workshop, participants learned about "Slicers", "Donut charts", "Scatter plots", and "Tree map" dashboards from Niharika Garg, while Iti Gupta covered "Multi-row cards", "Matrices", and "Funnel chart" dashboards. The day ended with a doubt-clearing session, and a thank-you message from Tanisha Malik.