



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ನಿರ್ವಹಣಾ ಮಹಾವಿದ್ಯಾಲಯ
(ವಿ.ಟಿ.ಯು. ಅಡಿಯಲ್ಲಿನ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ)

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

Five Day Open Course Program on

Data Analytics using Microsoft Power BI

12th to 16th June-2023



Organized by



Department of
Information Science & Engineering
BMS Institute of Technology & Management
Yelahanka, Doddaballapura Main Road,
Bengaluru, <https://bmsit.ac.in>

About Department: The Department of Information Science and Engineering started in the year 2010 with an approved intake of 60 and enhanced to 120 from the academic year 2018-19, 180 from the academic year 2019-20, and 240 from the academic year 2023-24. The departments have modern laboratories to serve the teaching and research needs of the students as well as faculty members. The Departments have been organizing conferences, workshops, expert lectures, and student-centric activities to encourage students and faculty to inculcate lifelong learning. Few of our students are working for consultancy projects along with a few faculty members. The staffs are encouraged to attend the 10 days' internship to bridge the gap between the academics and industry. The departments have an admirable research ambience. The faculties have published research articles in various National, International, IEEE Conferences, and Journals.

About the Open Course: Microsoft Power BI is an interactive data visualization software product developed by Microsoft with a primary focus on business intelligence. It is part of the Microsoft Power Platform. Power BI is a collection of software services, apps, and connectors that work together to turn unrelated sources of data into coherent, visually immersive, and interactive insights. Data may be input by reading directly from a database, webpage, or structured files such as spreadsheets, CSV, XML, and JSON.

Objectives of the Course:

1. Learn the fundamentals of constructing visualization using Power BI.
2. Learn how to create and configure Dashboards for decision makers.
3. Make Participants to understand the working of various modules using Microsoft PowerBI.

Hands-on Topics: High priority is given to hands-on over Microsoft PowerBI, on Windows Platform. The planned topics are as follows: Introduction to Power BI, Getting Data and Transformation, Data Modelling and DAX, Power BI Service and Data Visualization, Visualization Basics, Slicing and Dicing, Advanced Visualization in Power BI, Best Practice Scenarios of Using Visuals

Resource Persons: The resource persons for the program are experts from academia and industry.

Prerequisites: Familiarity with basic of web, programming, and Networking.

Registration Details

Registration Fee: Rs: 400/-

Target Students: BE, 4th and 6th Sem students

Registration: Register at
<https://projects.bmsit.ac.in>

Online fee payment details: Login into:
<https://bmsitm.gnums.in> -> Go to Menu -
Fee -> Other fee and Pay

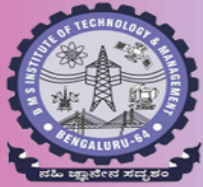
Venue: Lab Block - 203

Convener

Dr. Pushpa S K
Professor & Head,
Department of ISE

Coordinator:

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COURSE SCHEDULE: DATA ANALYTICS USING MICROSOFT POWER BI

Sl No.	Date	Topics covered		Topics covered		Topics covered		Assessment and Feedback	
		8:30 to 10:30 am	10:30 to 10:50 am	10:50 to 12:50 pm	12:50 to 1:50 pm	1:50 to 4:00	4:00 to 4:30 pm		
1	12.06.2023	Registration and Introduction	TEA BREAK	Fundamentals of Power BI	LUNCH BREAK	Getting Data and Transformation	Quiz & Feedback		
2	13.06.2023	Data Modelling and DAX		Data Visualization		Power BI Service and Visualization Basics	Quiz & Feedback		
3	14.06.2023	Slicing and Dicing		Advanced Visualization in Power BI		Best Practice Scenarios of Using Visuals	Quiz & Feedback		
4	15.06.2023	Geo Location Visualization: Map Visuals		Custom Visuals		Use Case -1	Quiz & Feedback		
5	16.06.2023	Use Case -1		Use Case-1		Valedictory Function	Quiz & Feedback		

Instructions to the Participants:

1. Prerequisite: Students should have basic knowledge in Analytics
2. For Hands-on sessions the student needs to carry the following to the lab:
 - a. Laptop with the following configuration (i3, 16 Mb Ram, SSD 128 GB), gmail ID and credit card
 - b. Software installation in the laptop: Window 11/