

**Department of Humanities And Social Science Organizing**

# "BUSINESS INTELLIGENCE AND ANALYTICS USING MICROSOFT POWER BI"

**5-DAY ONLINE WORKSHOP**

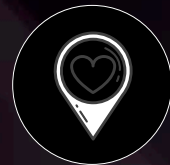
18 NOV TO  
22 NOV



3.30 PM  
ONWARDS



**VENUE**  
LT-3



RESOURCE PERSON

## DR. TINA DUTTA

- Assistant Professor (CQEDS, BIT Mesra, Ranchi)
- Fellow (PhD), IIM Calcutta
- M.Phil(Gold Medalist), IIPS, Mumbai
- M.Sc. Statistics, Banaras Hindu University

### The Key Objectives of Power BI Workshop

1. Apply Power BI analytical tools.
2. Create advanced interactive visualizations and dashboards
3. Build elaborate data reports.
4. Analyze multi-dimensional data using Power BI DAX (Data Analysis Expressions) for in-depth data analysis.

**Convenor**  
**Prof Monika Suri**  
Dean & Head of Department,  
HSS JIIT

**Coordinators**  
Dr. Neha Singh  
Dr. Purwa Srivastava  
Dr. Sakshi Varshney

# "BUSINESS INTELLIGENCE AND ANALYTICS USING MICROSOFT POWER BI"



*5-Day Research Workshop will be Useful for Faculty/ Ph.D Scholar/ Master Students from HSS Department & Other streams*

## BRIEF INTRODUCTION OF RESOURCE PERSON

Dr. Tina Dutta, Assistant Professor at BIT Mesra and Fellow (PhD) from IIM Calcutta, has expertise in statistics, demography, and social science research. She has conducted numerous expert lectures and workshops on data analytics, machine learning, and statistical methods at prestigious institutions like IIPS Mumbai, BHU, and VIT, covering topics such as Power BI, Python Programming, and regression analysis. Dr. Dutta has also completed advanced technical training from renowned institutions like the University of Michigan and the University of Pennsylvania

## Methodology of Session

*Hands-on training and illustrations with a variety of sample and real-life datasets*

*On the go exercises, one-to-one handholding*

*Useful materials (ebooks, relevant web links, datasets) will be provided*



### DAY 1

**Introduction to BI, Power BI architecture, data import, cleaning, and basic visualizations.**

### DAY 2

**Building data models, interactive dashboards, and visual formatting.**

### DAY 3

**Advanced visualizations (Gauge, Slicers, Scatter plot, Drill-through, Geographic visuals).**

### DAY 4

**Advanced geographic visualizations, custom visuals, and interactivity (Bookmarks, Buttons).**

### DAY 5

**DAX functions, calculated columns, measures, and publishing Power BI reports.**

## WORKSHOP REQUIREMENTS

- *Participants are required to carry their own laptops with Windows 10-mandatory*
- *High speed internet connection*
- *Power BI Desktop software installation (guidance will be provided)*