MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS), VANIYAMBADI

(A Project of Sri Marudhar Kesari Jain Trust)

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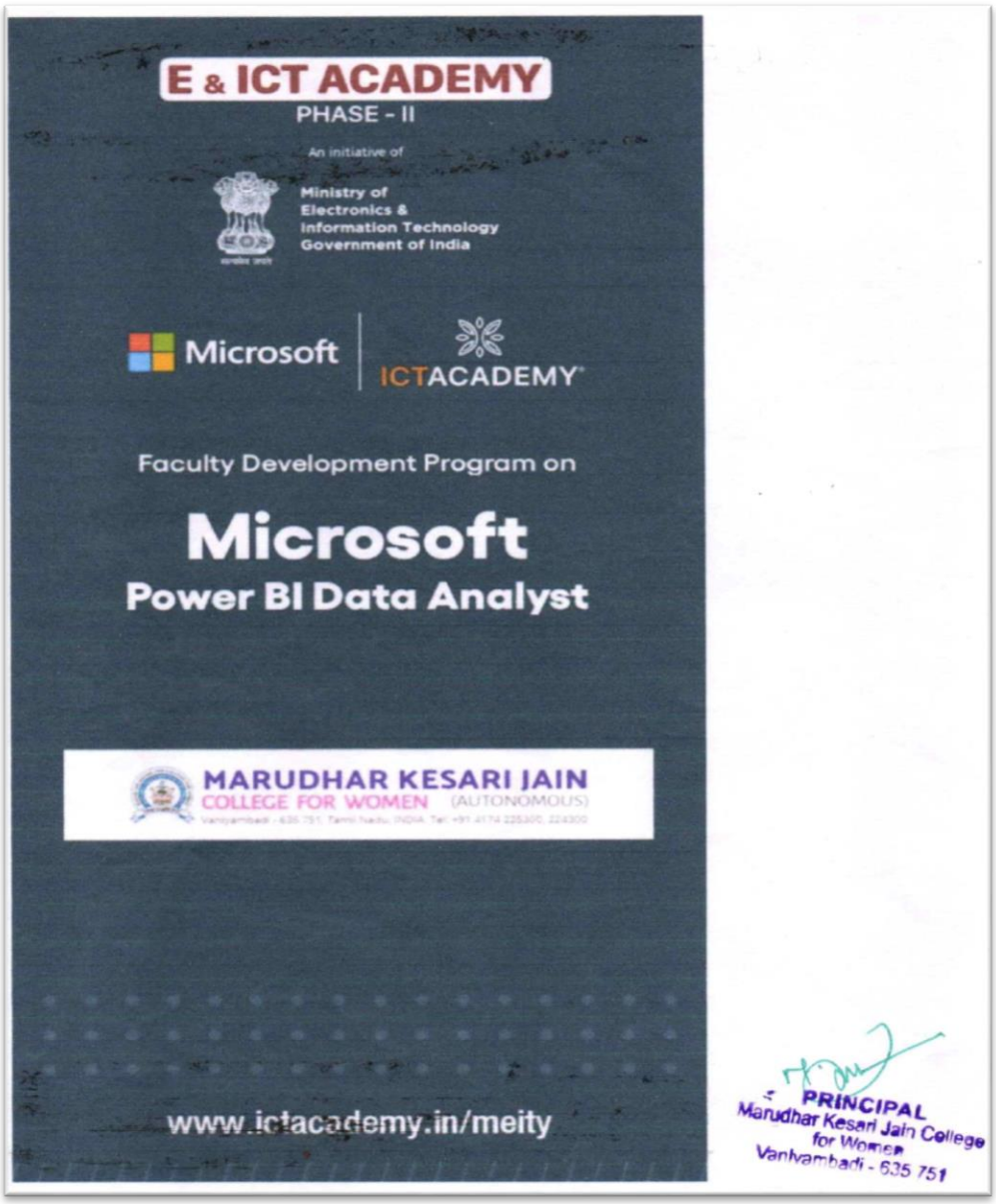
DEPARTMENT OF ARTIFICIAL INTELLIGENCE WITH ICT

ACADEMY JOINTLY ORGANIZED FACULTY DEVELOPMENT PROGRAMME "MICROSOFT POWER BI DATA ANALYST" – 11.11.2024 TO 15.11.2024

INVITATION



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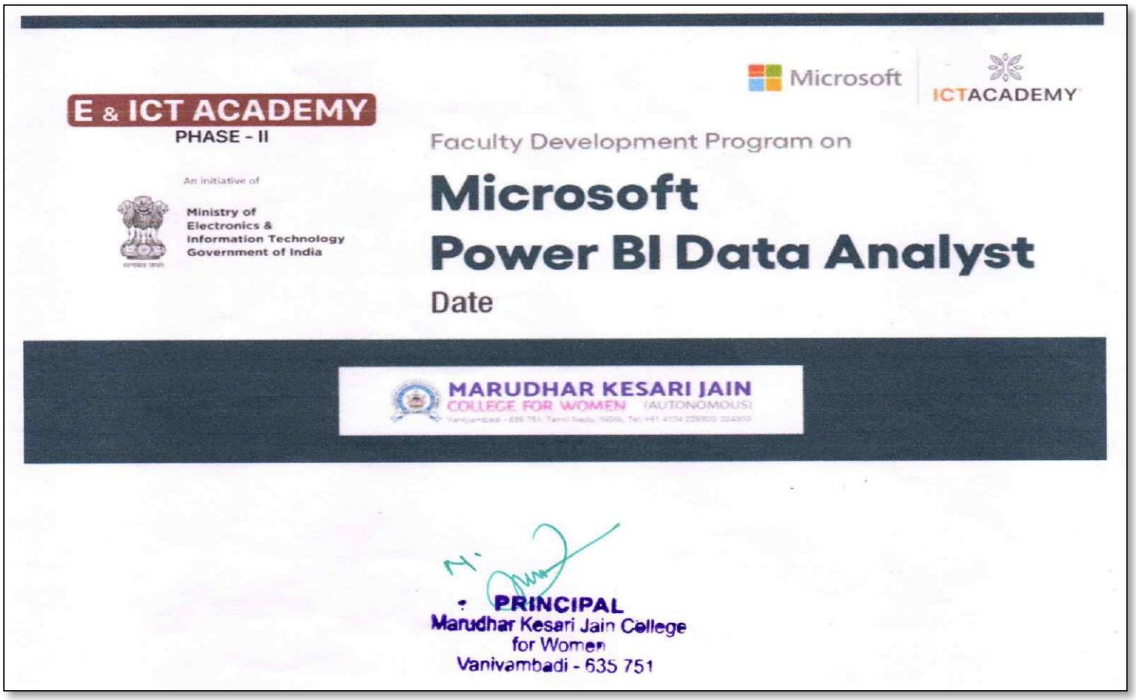
E & ICT ACADEMY
PHASE - II
An initiative of
Ministry of Electronics & Information Technology Government of India
Microsoft
ICTACADEMY
Faculty Development Program on
Microsoft
Power BI Data Analyst
Date
MARUDHAR KESARI JAIN
COLLEGE FOR WOMEN (AUTONOMOUS)
PRINCIPAL
Marudhar Kesari Jain College
for Women
Vaniyambadi - 635 751

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REPORT

MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS), VANIYAMBADI

Activity Report

Title	**Five Days FDP on Microsoft Power BI Data Analyst**		
Organized By	**School of Computing**		
Type of Activity	**Faculty Development Programme**		
Level	**Institutional**		
Date	**11.11.2024-15.11.2024**	**Time**	**10.00am -04.30pm**
Venue	**New Seminar Hall**	**Mode**	**Offline**
Resource Person Details	**Ms. S.Gopinath Senoir Technical Trainer, Training & Development , ICT Academy, Chennai**		
Objective of the Programme	It aimed to explore the latest trends in information technology (IT), offering insights into emerging technologies, industry practices, and their implications for businesses and research..		
Internal Participants Count	**Faculty :26**	**External Participants Count**	**Faculty: 12**

Summary

The FDP commenced with a prayer song, setting a reflective and focused tone for the day.Ms. M.Prithi Assistant Professor Department of Computer Applications welcomed the gathering. Ms. Nithya Assistant Professor introduced the guest speakers and facilitators, providing background information on their expertise and contributions to the field.

Dr. M.Inbavalli Principal, MKJC felicitated the gathering, highlighting the significance of the FDP and the importance of integrating advanced tools and technologies into professional practice.

The 5-Day Faculty Development Program on Microsoft Power BI and Data Analyst meticulously crafted to elevate the data analytics proficiency of educators. This structured FDP is designed to equip teachers and educational administrators with an extensive comprehension of Power BI, a forefront tool in data visualization and business intelligence. By participating in this program, educators will harness the power of Power BI to analyze and visualize educational data proficiently. This capability fosters data-driven decision-making, enabling educators to profoundly influence student outcomes and educational strategies.

Finally the session was ended with vote of thanks which was given by Ms. M.Srisivanandhini

Content Covered

The following topics were covered during the program:

1. **Introduction to Power BI**

   - Overview of Power BI and its components: Power BI Desktop, Power BI Service, Power BI Mobile.
   - Installing Power BI Desktop and setting up the environment.

2. **Data Import and Transformation**

   - Connecting to different data sources (Excel, SQL Server, Web, etc.).
   - Data transformation using Power Query Editor.
   - Data cleaning, filtering, and shaping.

3. **Data Modeling and Relationships**

   - Creating relationships between tables.
   - Understanding star schema and snowflake schema in data modeling.
   - Using DAX (Data Analysis Expressions) to create calculated columns and measures.

4. **Data Visualization and Reporting**

   - Exploring various visualizations in Power BI (bar charts, line charts, pie charts, maps, tables, etc.).
   - Customizing visuals and creating interactive dashboards.
   - Creating drill-through reports and setting up slicers for interactivity..

5. **Practical Applications**

   - Real-world case studies and examples.
   - Domain-specific applications of Power BI for education, business, and research.

Outcome of the Programme

- Import, clean, and transform data using Power BI.
- Build data models and create interactive visualizations.
- Develop insightful reports and dashboards for various stakeholders.
- Utilize Power BI for decision-making and data-driven insights.
- Understand and implement best practices in data visualization and report design.

15/11/2024

Head/ Co Ordinator

15/11/2024

IQAC DIRECTOR

11/11/2024

PRINCIPAL
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PHOTOS

Principal

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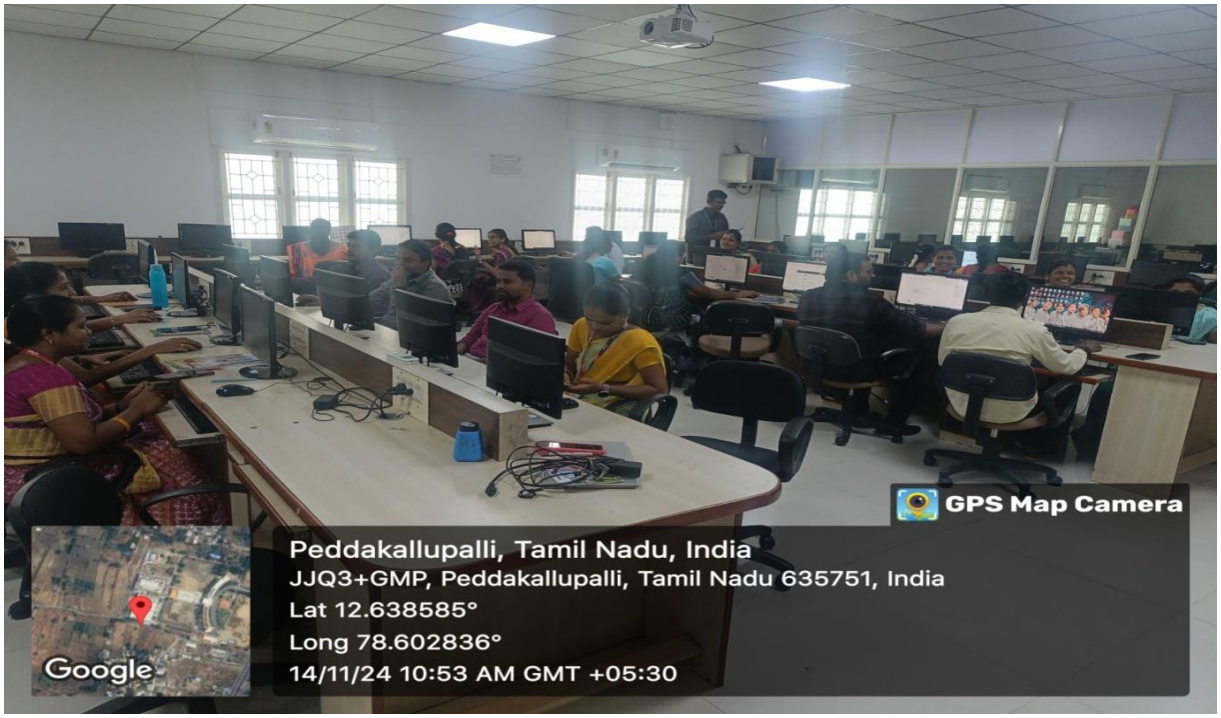

Principal

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