MARUDHAR KESARI JAIN COLLEGE FOR WOMEN
(AUTONOMOUS)

VANIYAMBADI, TIRUPATTUR DT – 635 751

- Recognized u/s 2(f) & 12(B) of UGC Act 1956
- Permanently Affiliated to Thiruvalluvar University
- Supported by DST - FIST & DBT STAR College Scheme

A+ NAAC | INSTITUTION'S INNOVATION COUNCIL

Invitation

We cordially invite you to grace the Valued Added Course on

POWER BI *with* ADVANCED EXCEL

Organized by

PG & RESEARCH DEPARTMENT OF COMMERCE

Duration	Date	Target Participants
36 Hours	29.06.2026 to 04.07.2026	II B.Com A & B



Resource Person

Dr. V. KANNAN

Academic Consultant | Technology Mentor | Corporate Trainer

Founder & CEO,
Sun Software Solutions

Empowering Students. Transforming Technology. Building Futures.

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Vaniyambadi - 635 751.
Tirupattur District

Sri. V. Dilip Kumar Jain	Sri. Anand Singhvi	Dr. M. Inbavalli	Dr. C. Nithya	Dr. P. Anandi
President	Secretary	Principal	Dean	HOD (Commerce)

MARUDHAR KESARI JAIN

College for Women (Autonomous), Vaniyambadi

33 Years of Educational Excellence...

Activity Report

Topic/ Subject of the Activity: Value Added Course

Academic Year: 2026–2027

Topic: Power BI with Advanced Excel
Organized by: PG & Research Department of Commerce
Target Participants: II B.Com A & B
Duration: 36 Hours
Number of Beneficiaries: 92

Objectives (Input):

- To introduce students to data visualization and the Power BI ecosystem.
- To familiarize students with the Power BI Desktop interface, reports, data and model views.
- To develop skills in connecting, importing, cleaning and transforming data from different sources.
- To explain data modelling concepts, relationships, data types, keys and schema design.
- To introduce DAX (Data Analysis Expressions), calculated columns, measures and essential functions.
- To develop practical skills in creating charts, tables, maps, KPIs, cards, slicers and interactive dashboards.
- To familiarize students with report publishing, sharing, security, mobile layouts and embedded analytics.
- To encourage analytical thinking and the application of business data for decision-making.

Methodology (Process):

The Value Added Course on "Power BI with Advanced Excel" was conducted from 29.06.2026 to 04.07.2026. The Programme was designed to provide students with practical exposure to business data analysis, data transformation, visualization and interactive dashboard development. The sessions followed a practical, skill-oriented approach based on the topics listed in the course syllabus.

The training methodology included:

- Introduction to data visualization, the Power BI ecosystem and installation of Power BI Desktop.
- Demonstration of the Power BI interface and its report, data and model views.
- Practice in connecting to data sources such as Excel and CSV files, with an overview of SQL Server, web APIs and cloud services.
- Demonstration of data cleaning, shaping, merging and appending queries, and handling errors using Power Query Editor.
- Explanation of data relationships, data types, primary and foreign keys, and star and snowflake schemas.
- Introduction to DAX syntax, calculated columns, measures, aggregate functions, filter functions and time-intelligence functions.

- Hands-on report building using charts, tables, maps, KPIs, cards and slicers, including advanced visuals such as waterfall, donut and funnel charts.
- Practice with tooltips, bookmarks, drill-through and page navigation to create interactive dashboards.
- Overview of publishing and sharing reports through Power BI Service, workspace management, row-level security, mobile layouts and embedded analytics.
- A project-based activity to clean a dataset, apply DAX measures and create an end-to-end interactive dashboard.
- The course emphasized experiential learning and the application of digital tools to business data. It supported SDG 4 – Quality Education through practical, skill-oriented learning and SDG 8 – Decent Work and Economic Growth by strengthening students' digital competencies and workplace readiness.

Output:

The course provided students with structured exposure to Power BI concepts and dashboard development. The expected immediate outputs included:

- Improved familiarity with the Power BI Desktop interface and data views.
- Basic understanding of importing, cleaning and transforming data.
- Knowledge of data modelling, relationships and schema concepts.
- Introductory ability to use DAX expressions, calculated columns and measures.
- Practical understanding of visual reports, slicers, KPIs and interactive dashboards.
- Awareness of report publishing, sharing, access control and mobile analytics.
- Development of a dashboard project using a dataset, data-cleaning steps and DAX measures.

Feedback Link:

[https://docs.google.com/forms/d/1S44G7i-rqybr4bH5ntv-lHc7kKmP_ylkumsz4_u3c7I/edit]

Outcomes:

The major learning outcomes of the Value Added Course were:

- Students developed an understanding of how business data can be converted into meaningful visual information.
- Students gained foundational skills in data preparation and transformation.
- Students improved their understanding of relationships, data modelling and DAX calculations.
- Students became familiar with designing interactive reports and dashboards for business analysis.
- Students gained awareness of sharing reports securely and accessing analytics through web and mobile platforms.
- The course encouraged analytical thinking, problem-solving and data-driven decision-making.
- The practical orientation of the course supported students' readiness for further learning and entry-level roles involving reporting and business analytics.

HOD **DEAN** 26/10/26 **IQAC Director** **Principal**

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PG & Research Department of Commerce

Date : 29.06.2026-04.07.2026

PHOTOS (Value Added Course - Power-BI With Advanced Excel)









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