

Project 1: Student Registration Data Analysis

Tools Used: Excel, SQL

Objective: To analyze and visualize student registration trends.

Tasks:

- Collected and cleaned student registration data from multiple semesters.
- Used SQL to join tables and extract insights on course demand.
- Built pivot tables and visual charts in Excel to display student distribution by department and semester.

Outcome: Helped simulate a reporting process that could support academic scheduling and resource planning.

Project 2: Simple Sales Dashboard

Tools Used: LibreOffice Calc

Objective: To track monthly product sales and identify performance patterns.

Tasks:

- Created a structured spreadsheet to input monthly sales data.
- Calculated totals, averages, and growth rates using formulas.
- Designed bar and line charts to show monthly trends and top-selling products.

Outcome: Gained experience in sales reporting and built a reusable template for small business analysis.

Project 3: Metabase Dashboard for Sample Dataset

Tools Used: Metabase, SQL

Objective: To explore and visualize data using a business intelligence tool.

Tasks:

- Connected Metabase to a sample SQL database.
- Wrote SQL queries to filter and summarize customer data.
- Created charts and dashboards to display key metrics such as customer count, average purchase, and regional trends.

Outcome: Demonstrated the ability to transform raw data into insights and present them in a clear, interactive format.