POWER BI COURSE PROJECT - 2024

PROJECT DEVELOPED BY
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PROJECT TITLE SHEET
POWER BI WITH
Excel

Project Report submitted in Partial fulfilment requirement for the proficient

Certificate course

Done By

KRISHNA KUMAR

Under the Guidance of   Approved By
SAKTHI   **BALAMURUGAN.TS**

ABOUT THE PROJECT:

Power BI is a business analytics tool developed by Microsoft that allows users to visualize data, share insights, and make data-driven decisions. It's widely used for transforming raw data into interactive reports and dashboards. Here are the key aspects of Power BI.

Key Features

- **Data Visualization:** Power BI provides interactive dashboards and reports with a variety of visualization options, such as charts, graphs, and maps, enabling users to explore data in an intuitive way.

- **Data Integration:** Power BI connects to various data sources, including Excel, SQL databases, cloud services like Azure and Google Analytics, and even on-premises systems, to bring data into one place.

- **Real-Time Analytics:** It offers real-time dashboards that update as data changes, which is valuable for monitoring key business metrics continuously.

- **Power Query:** The tool enables users to clean, transform, and load data easily using Power Query, a built-in tool that simplifies data preparation tasks.

- **Collaboration and Sharing:** Power BI allows users to share reports and dashboards across teams and departments, fostering collaboration. It also integrates with Microsoft Office tools like Excel and SharePoint for seamless sharing.

- **Artificial Intelligence (AI):** Power BI includes AI-powered features such as natural language processing (NLP) and machine learning to enhance data analysis and predictions.

- **Custom Visualization and DAX**: Users can create custom visualizations and use DAX (Data Analysis Expressions) for advanced calculations and data Modelling.
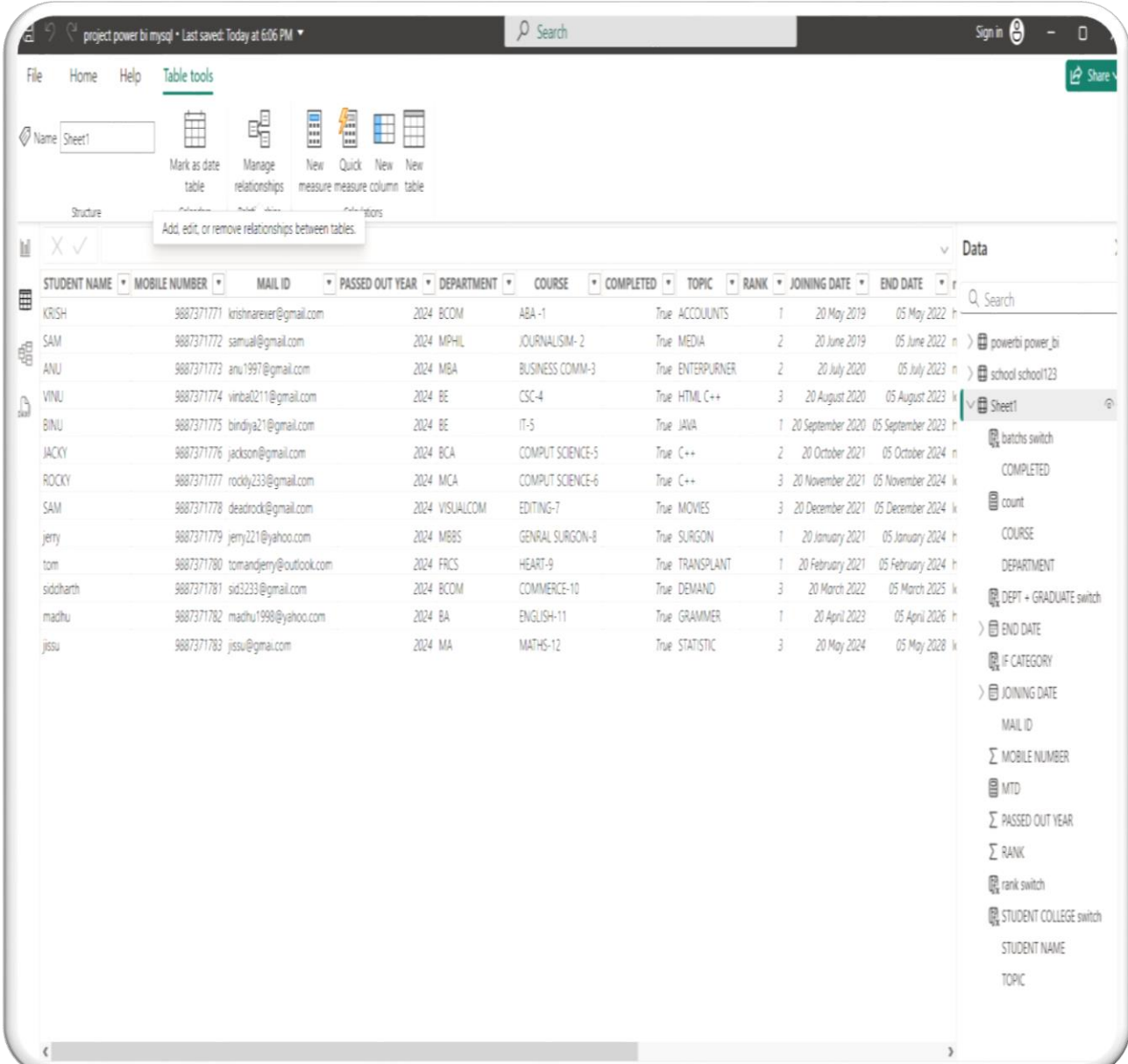
DAX FORMULA

Logical functions:

1. If conditions

- The if condition is used to execute a block of code based on whether a specified condition evaluates to true or false. It can be accompanied by else and else if statements to handle multiple conditions.

2. SWITCH FUNCTION

- The switch condition is used when you need to compare a variable against a list of values (cases) and execute corresponding code. It is often more readable than multiple if-else statements when dealing with many conditions.

- These two functions are mainly used in my project to bring better conclusion.

POWER BI IN EXCEL

File   Home   Help   Table tools

Name Sheet1

Mark as date table | Manage relationships | New measure | Quick measure | New column | New table

Structure

Add, edit, or remove relationships between tables.

STUDENT NAME	MOBILE NUMBER	MAIL ID	PASSED OUT YEAR	DEPARTMENT	COURSE	COMPLETED	TOPIC	RANK	JOINING DATE	END DATE
KRISH	9887371771	krishnarexer@gmail.com	2024	BCOM	ABA -1	True	ACCOUUNTS	1	20 May 2019	05 May 2022
SAM	9887371772	samual@gmail.com	2024	MPHIL	JOURNALISIM- 2	True	MEDIA	2	20 June 2019	05 June 2022
ANU	9887371773	anu1997@gmail.com	2024	MBA	BUSINESS COMM-3	True	ENTERPURNER	2	20 July 2020	05 July 2023
VINU	9887371774	vinbal0211@gmail.com	2024	BE	CSC-4	True	HTML C++	3	20 August 2020	05 August 2023
BINU	9887371775	bindiya21@gmail.com	2024	BE	IT-5	True	JAVA	1	20 September 2020	05 September 2023
JACKY	9887371776	jackson@gmail.com	2024	BCA	COMPUT SCIENCE-5	True	C++	2	20 October 2021	05 October 2024
ROCKY	9887371777	roddy233@gmail.com	2024	MCA	COMPUT SCIENCE-6	True	C++	3	20 November 2021	05 November 2024
SAM	9887371778	deadrock@gmail.com	2024	VISUALCOM	EDITING-7	True	MOVIES	3	20 December 2021	05 December 2024
jerry	9887371779	jerry221@yahoo.com	2024	MBBS	GENRAL SURGON-8	True	SURGON	1	20 January 2021	05 January 2024
tom	9887371780	tomandjerry@outlook.com	2024	FRCS	HEART-9	True	TRANSPLANT	1	20 February 2021	05 February 2024
siddharth	9887371781	sid3233@gmail.com	2024	BCOM	COMMERCE-10	True	DEMAND	3	20 March 2022	05 March 2025
madhu	9887371782	madhu1998@yahoo.com	2024	BA	ENGLISH-11	True	GRAMMER	1	20 April 2023	05 April 2026
jissu	9887371783	jissu@gmai.com	2024	MA	MATHS-12	True	STATISTIC	3	20 May 2024	05 May 2028

Data

Search

> powerbi power_bi
> school school123
∨ Sheet1
  batchs switch
  COMPLETED
  count
  COURSE
  DEPARTMENT
  DEPT + GRADUATE switch
> END DATE
  IF CATEGORY
> JOINING DATE
  MAIL ID
∑ MOBILE NUMBER
  MTD
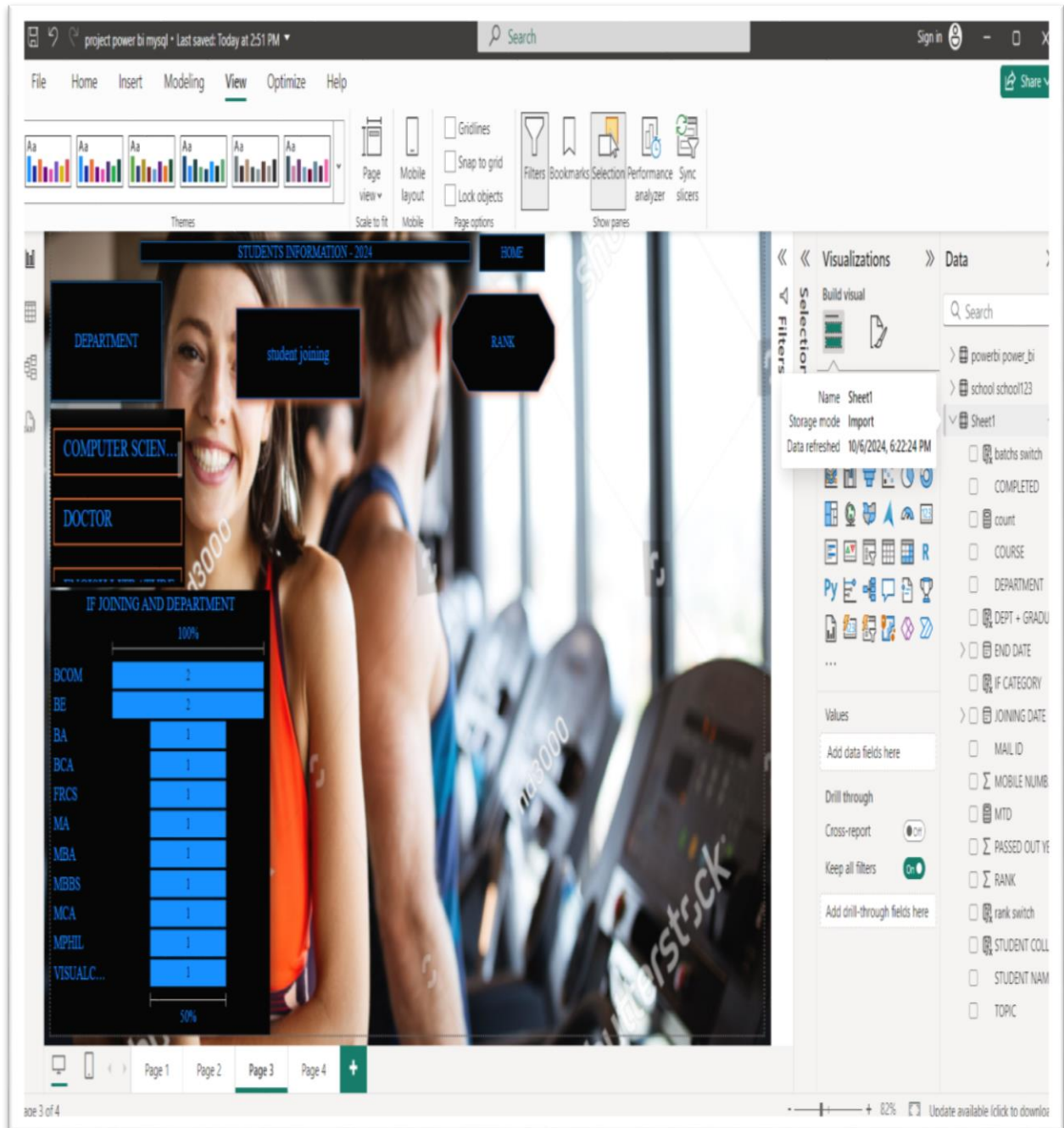∑ PASSED OUT YEAR
∑ RANK
  rank switch
  STUDENT COLLEGE switch
  STUDENT NAME
  TOPIC

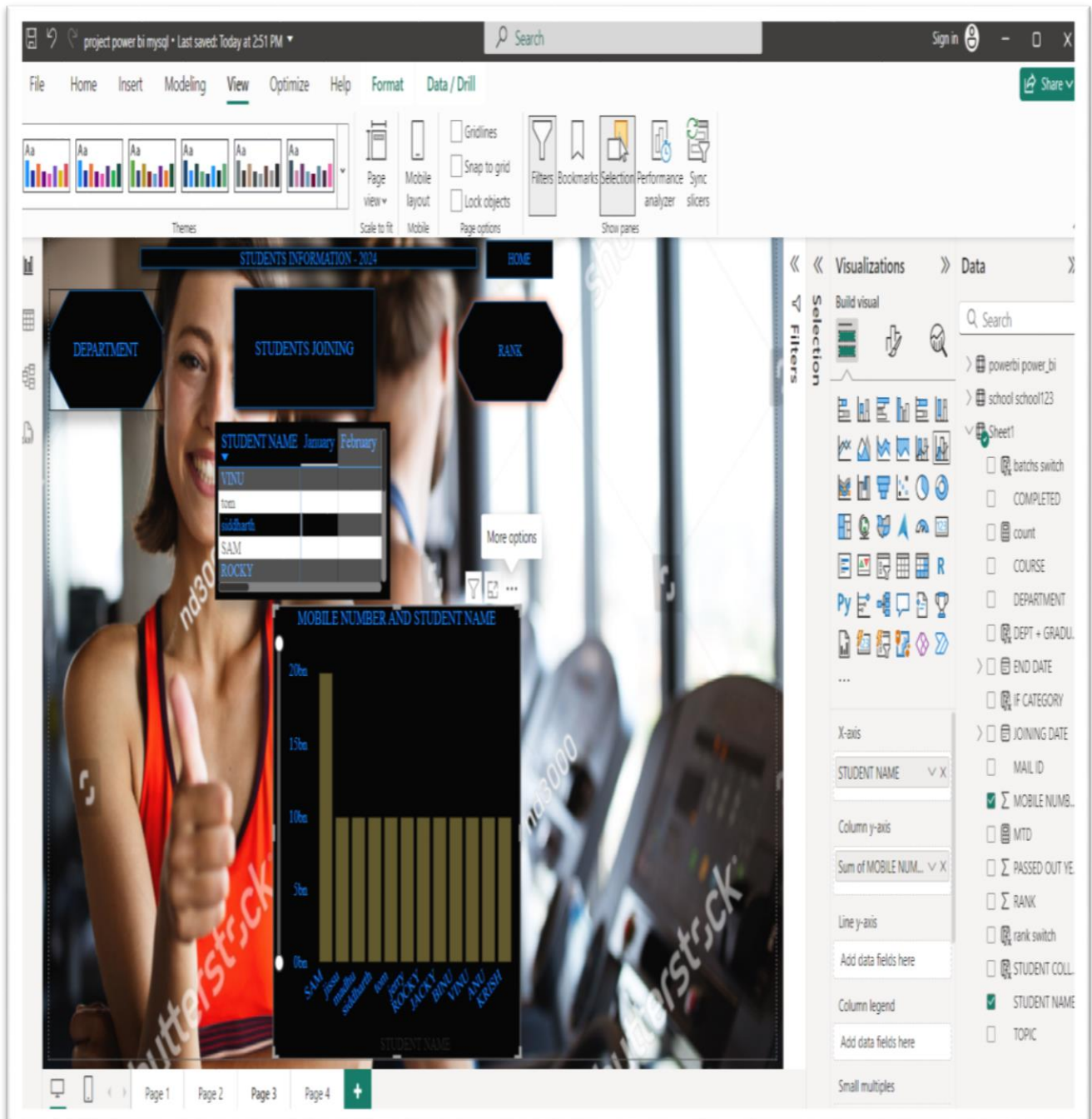# GRAPH AND DASHBOARD

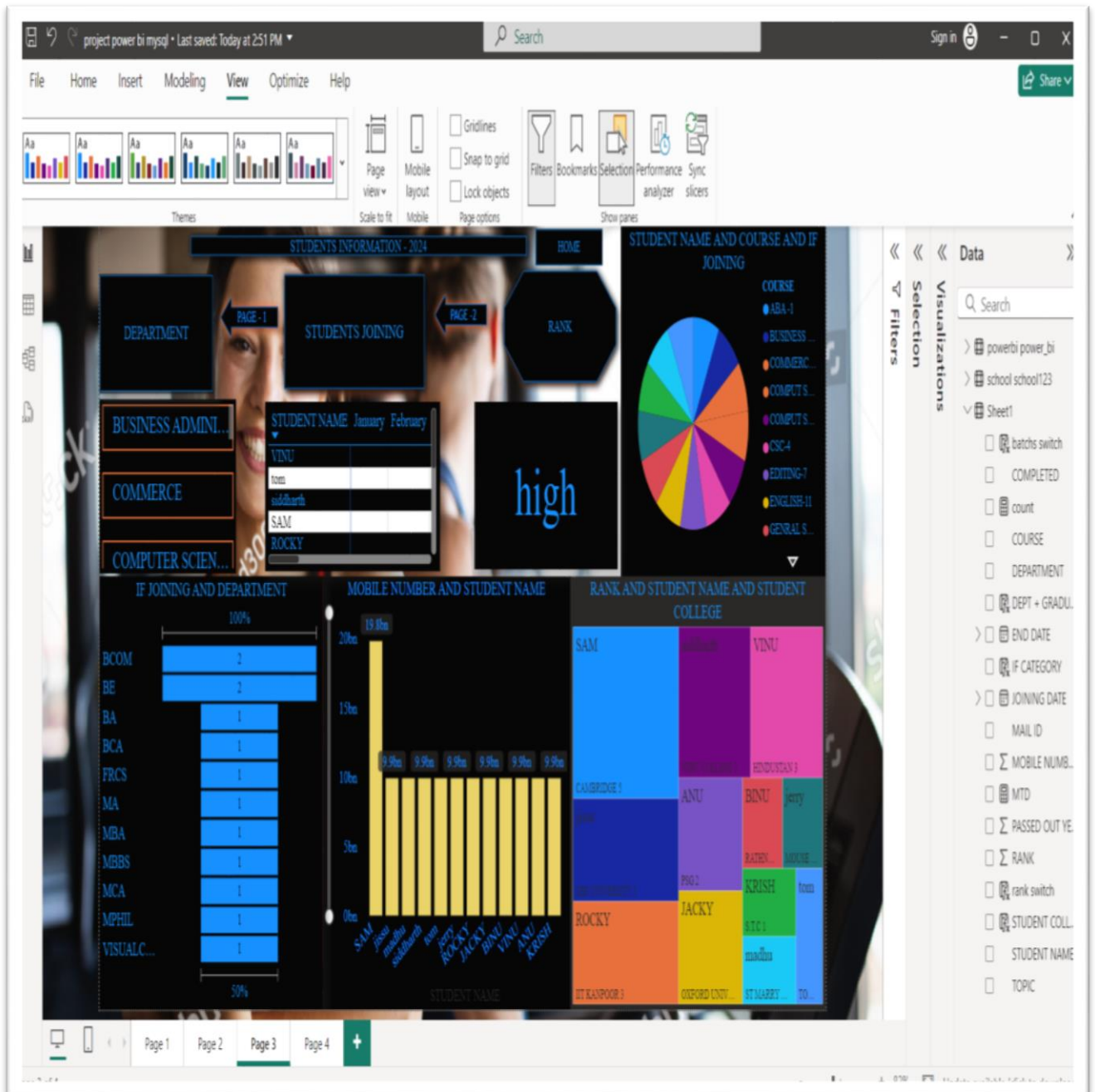## PICTURE – 1

PICTURE 2

PICTURE 3

DASHBOARD

THANK YOU