

PROJECT REPORT

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BRANCH CS 3A

This Report consist of 2 Power BI projects mainly

1. Simple report
2. Dashboard Development

Simple Power BI Report

A Power BI report is a collection of visualizations, such as charts, graphs, and tables, that presents data insights in a clear and interactive format. Each report can include multiple pages and allows users to explore data from different perspectives. Key features include:

1. **Visualizations:** Create charts, maps, and tables to represent data visually.
2. **Interactivity:** Users can filter and drill down into data to gain deeper insights.
3. **Data Sources:** Connect to various data sources like Excel, SQL Server, and cloud services.
4. **Real-Time Data:** Reports can reflect real-time data changes, ensuring up-to-date insights.
5. **Sharing and Collaboration:** Reports can be shared with team members or published to the Power BI service for broader access.

Power BI reports are essential for monitoring business performance, analyzing trends, and facilitating informed decision-making.

Dashboard Development

A Power BI dashboard is a single-page, interactive interface that provides a high-level view of key metrics and insights from multiple reports and datasets. Key features include:

1. **Single Canvas:** Dashboards consolidate visuals from various reports into one place, allowing for a comprehensive overview.
2. **Real-Time Data:** Dashboards can display real-time data updates, ensuring that users have access to the latest information.
3. **Interactive Visuals:** Users can interact with tiles, applying filters to drill down into the underlying data.
4. **Customizable Layout:** Users can arrange and resize visual elements to create a personalized view of the data that matters most.
5. **Sharing and Collaboration:** Dashboards can be shared with colleagues, making it easy to collaborate on insights and performance metrics.

Overall, Power BI dashboards serve as a powerful tool for monitoring business performance and facilitating quick, data-driven decision-making.

CONCLUSION:

It was an awesome experience while developing this project it made me Develop new ideas,skills and also lead me explore a completely different domain which is an essential need of this world as it works on data and its handling by showing various graphs,charts and data comparison also becomes quite easy.