POWER BI PROJECT

HR Attrition Analytics Dashboard Project

Overview:

The **HR Attrition Analytics Dashboard** is a data-driven tool designed to help HR departments track and analyze employee attrition patterns. By visualizing key metrics related to employee turnover, this dashboard allows organizations to identify trends, understand reasons behind attrition, and develop strategies to improve retention.

Key Features:

1. **Attrition Rate Visualization**: Displaying the overall employee attrition rate over time, segmented by various factors like department, tenure, or job role.

2. **Employee Demographics Analysis**: Analyzing attrition based on factors like age, gender, education, and experience.

3. **Reason for Attrition**: Categorizing and visualizing the reasons employees leave (e.g., personal reasons, job dissatisfaction, compensation).

4. **Department-wise Attrition**: Comparing employee turnover across different departments and teams.

5. **Predictive Analytics**: Using machine learning models to predict the likelihood of future attrition based on current employee data.

6. **Interactive Dashboards**: Real-time, filterable charts and graphs, allowing users to drill down by time periods, departments, or employee categories.

7. **Retention Strategies**: Recommendations and insights based on data trends to improve employee retention.

Tech Stack:

- **Database**: MySQL / EXCEL

- **Data Visualization**: Plotly, Dash, or Power BI for interactive visualization