

SYNOPSIS

TITLE – TOP IT COMPANIES IN INDIA DASHBOARD AND ANALYSIS

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Project Title:

****Top IT Companies in India - Dashboard and Analysis****

Project Scope:

The project involves analyzing data on the top IT companies in India, including various attributes such as company names, ratings, reviews, tags, company types, total employees, about sections, headquarters, total offices, and founded years.

Objectives:

1. **Data Integrity:** Ensure data integrity by removing duplicates and filtering out unwanted company types.
2. **Performance Analysis:** Analyze the average performance ratings of employees in each department and identify the top-performing department.
3. **Data Visualization:** Visualize the data using tools like Power BI, focusing on pie charts and donut charts to present the analysis clearly.

Data Set Attributes:

- Company Names: Names of the IT companies.
- Ratings: Performance ratings of the companies.
- Reviews: Customer and employee reviews.
- Tags: Keywords or tags associated with the companies.
- Company Types: Categories of the companies.
- Total Employees: Number of employees in each company.
- About Sections: Description and overview of the companies.
- Headquarters: Location of the company headquarters.
- Total Offices: Number of offices the companies have.
- Founded Years: The year each company was established.

Tools and Technologies:

- **Data Analysis:** Python (with libraries like Matplotlib, Seaborn and pandas)
- **Data Visualization:** Power BI (using pie charts and donut charts)
- **Data Integrity:** Techniques to remove duplicates and filter unwanted company types

Steps and Methodology:

1. **Data Collection:** Gather data on the top IT companies in India from reliable sources.
2. **Data Cleaning:**
 - Remove duplicate entries.
 - Filter out unwanted company types to focus on relevant data.
3. **Data Analysis:**
 - Calculate the average performance ratings of employees in each department.
 - Identify the top-performing department based on these ratings.
4. **Data Visualization:**
 - Use Power BI to create pie charts and donut charts to represent the data visually.
 - Ensure the visualizations effectively communicate the findings and insights.

Expected Outcomes:

1. **Clean and Filtered Data:** A dataset free of duplicates and irrelevant company types.
2. **Performance Insights:** Identification of the top-performing departments within these IT companies.
3. **Visual Representations:** Clear and informative visualizations of the data using pie charts and donut charts in Power BI.

Next Steps:

1. Implement the data cleaning process to ensure data integrity.
2. Conduct a detailed performance analysis using Python.
3. Create visualizations in Power BI to present the findings.

Summary:

This project aims to provide a comprehensive analysis of the top IT companies in India, focusing on data integrity, performance analysis, and effective visualization. By following a structured approach, the project will deliver valuable insights into the performance and characteristics of these companies.

THANK YOU