

# NEXUS INFO

## Project – 1

**Project Title:** Employee Analysis

**Objective:** To conduct basic data analytics and visualization on the Employee Data Set to gain insights into the workforce.

**Tools:** Power BI, Microsoft Word

### **Dataset Information:**

**Education:** Educational qualifications of employees, including degree, institution, and field of study.

**Joining Year:** The year each employee joined the company, indicating their length of service.

**City:** The location or city where each employee is based or works.

**Payment Tier:** Categorization of employees into different salary tiers.

**Age:** The age of each employee, providing demographic insights.

**Gender:** Gender identity of employees, promoting diversity analysis.

**Ever Benched:** Indicates if an employee has ever been temporarily without assigned work.

**Experience in Current Domain:** The number of years of experience employees have in their current field.

**Leave or Not:** A target column indicating if an employee has taken leave.

### **Tasks:**

#### **1. Descriptive Statistics:**

Calculate and present the average age, average experience in the current domain, and average years since joining for the entire workforce.

**2. City-wise Analysis:**

Explore the distribution of employees across different cities using charts or maps to identify significant locations.

**3. Gender Diversity:**

Visualize the gender distribution within the company to understand the level of gender diversity.

**4. Educational Background:**

Analyze and present the most common degrees and institutions among employees.

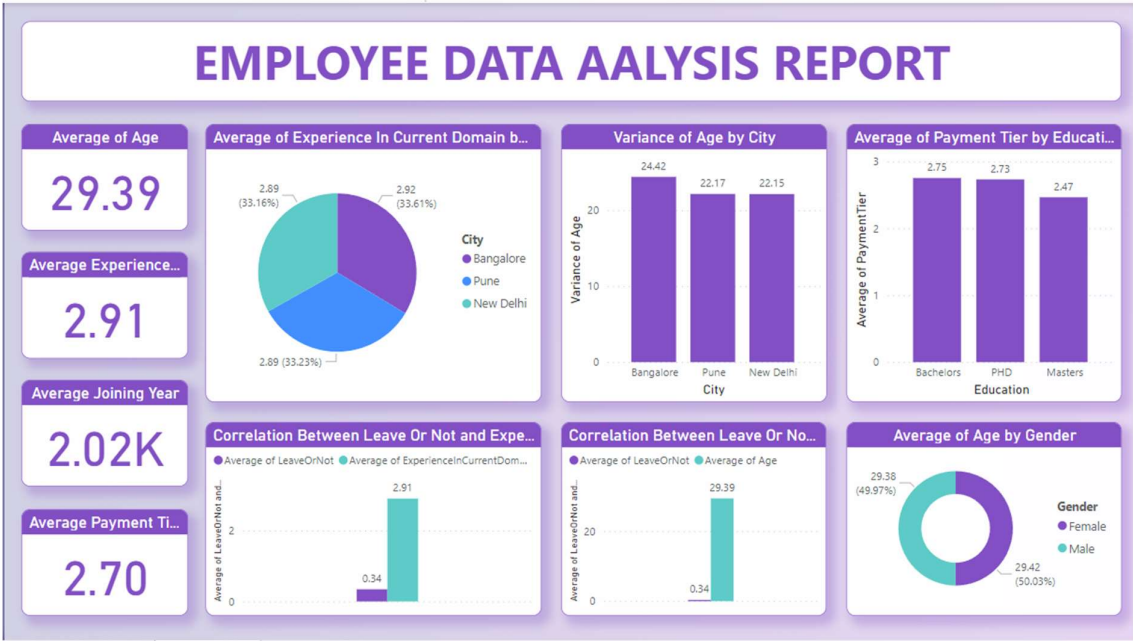
**5. Salary Tier Analysis:**

Investigate the distribution of employees across different payment tiers and visualize the salary distribution to identify trends.

**6. Leave Analysis:**

Explore factors influencing leave decisions. Visualize the correlation between factors like age, experience, and the decision to take leave.

**Visualization:**



**Insights:**

- Bangalore had the highest Average of Experience In the Current Domain at 2.92, followed by Pune at 2.89 and New Delhi at 2.89.
- At 24.42, Bangalore had the highest Variance of Age and was 10.24% higher than New Delhi, which had the lowest Variance of Age at 22.15.
- Bangalore had 24.42 Variance of Age, Pune had 22.17, and New Delhi had 22.15.