# EMPLOYEE BURNOUT ANALYSIS AND PREDICTION

# OVERVIEW
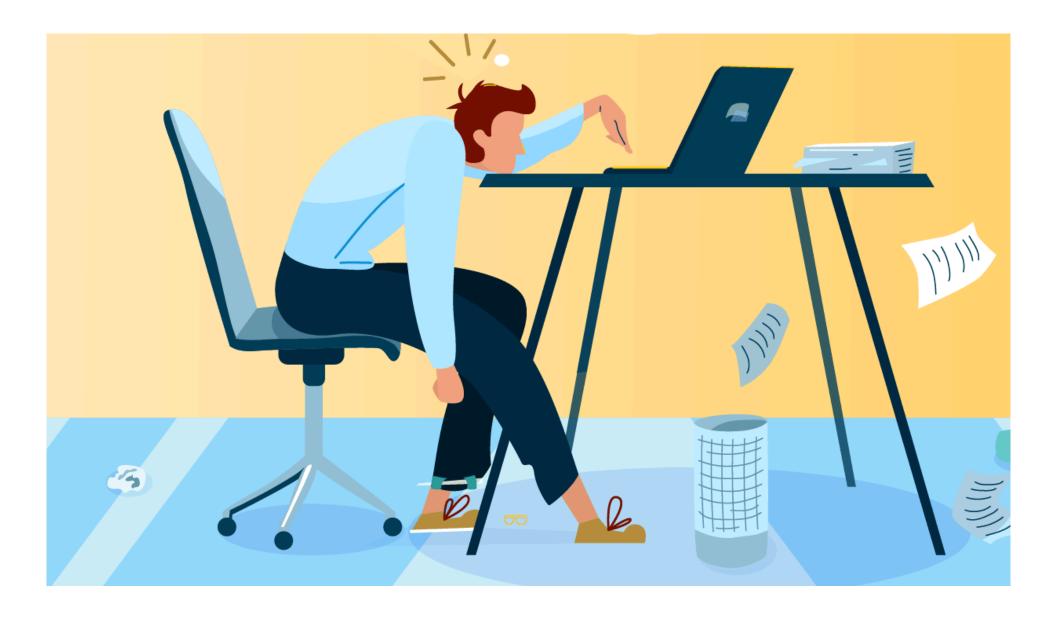
# INTRODUCTION

- Using data-driven insights and predictive modeling, the project examines employee burnout to determine its origins, signs, and risk factors within the company.
- The initiative employs focused interventions based on the analysis to improve employee engagement, develop a healthy work environment, and lessen burnout, all of which contribute to the success and expansion of the firm.

# WHAT IS EMPLOYEE BURN OUT

Burnout strikes employees when they have exhausted their physical or emotional strength. This usually occurs as a result of prolonged stress or frustration. Sometimes the cause is the work environment. Stressful jobs, lack of support and resources, and tight deadlines can all contribute to burnout. Other times, burnout has more to do with employees' expectations of themselves or their personal circumstance.

# FEATURES OF DATA

- Employee ID

- Date of Joining

- Gender

- Company Type

- WFH Setup Available

- Designation

- Resource Allocation

- Mental Fatigue Score

- Burn Rate

# LIBRARIES USED

## Matplotlib

A plotting library used for creating static, interactive, and animated visualizations in Python.

## NumPy

Provides support for large multi-dimensional arrays and matrices, contains a collection of mathematical functions.

## Seaborn

Provides a high-level interface for drawing attractive and informative statistical graphics.

## Pandas

Offers data structures like DataFrames, which are used for handling structured data.

## SciPy

A library used for scientific and technical computing, the stats module contains a wide range of statistical functions and tests.

## Cufflinks

Links Plotly with Pandas to create interactive visualizations directly from pandas DataFrames.

# USES AND BENEFITS

## Uses

- Early Detection
- Employee Retention
- Improved Productivity
- Resource Allocation

## Our Mission

- Accuracy and Precision
- Scalability
- Cost-Effectiveness
- Continuous Improvement

# THANK YOU

By
Swathi Priya
AP22110011285