# *Analysis of Student Interns' Performance*

## 1. Objective:

To conduct a comprehensive analysis of student interns to gain insights into the relationships between their academic performance, event participation, career aspirations, and factors influencing their success.

## 2. Project Charter:

- **Project Title:** Analysis of Student Interns' Performance.
- **Project Manager:** SAI ASISH GOUDO
- **Project Start Date:** June 3,2024
- **Project End Date:** June 21,2024

## 3. Software Requirements Specification (SRS):

### Introduction:

- **Purpose:** To define the requirements for analyzing the student intern dataset.

### Functional Requirements:

1. **Data Cleaning and Preprocessing:** Clean and preprocess the dataset to handle missing values, inconsistencies, and outliers.
2. **Data Analysis:** Perform statistical and exploratory data analysis to identify relationships and trends.
3. **Visualization:** Create visualizations to present key insights clearly.
4. **Reporting:** Compile findings into a comprehensive report.

### Non-Functional Requirements:

- **Performance:** Analysis should be completed within a specified timeframe.
- **Usability:** Results should be easily interpretable by non-technical stakeholders.

## 4. Work Breakdown Structure (WBS) :

1. **Project Initiation**
   - Define project scope and objectives.
2. **Data Collection and Preparation**
   - Collect dataset.
   - Clean and preprocess data
3. **Data Analysis**
   - Descriptive analysis
   - Exploratory analysis
   - Statistical analysis

4.  **Insights Generation**
    - o Identify key factors influencing intern success.
    - o Correlate academic performance with event participation and career aspirations.
5.  **Visualization**
    - o Create graphs and charts
6.  **Reporting**
    - o Compile findings into a report
    - o Draft executive summary
7.  **Project Closure**
    - o Review and finalize documentation
    - o Present findings to stakeholders
    - o Post-project evaluation.

# 5. Project Plan :

### Timeline:

| Phase | Start Date | End Date |
| --- | --- | --- |
| Project Initiation | June 3, 2024 | June 4, 2024 |
| Data Preparation | June 5, 2024 | June 6, 2024 |
| Data Analysis | June 7, 2024 | June 12, 2024 |
| Insights Generation | June 13, 2024 | June 15, 2024 |
| Visualization | June 16, 2024 | June 17, 2024 |
| Reporting | June 18, 2024 | June 19, 2024 |
| Project Closure | June 20, 2024 | June 21, 2024 |

# 6. RAID Logs:
- **Risks:**
  - o Data quality issues
  - o Inadequate tools or software
  - o Project delays
- **Assumptions:**
  - o Data provided is accurate and comprehensive.
  - o Team has the necessary skills and tools.
- **Issues:**
  - o Potential data gaps
  - o Limited stakeholder availability
- **Dependencies:**
  - o Availability of dataset
  - o Timely feedback from stakeholders

# 7. Lessons Learned:
- Importance of data quality and preparation
- Effective communication with stakeholders

- Flexibility in project planning and execution

# 8. Project Report:

- **Executive Summary:**
  - This project analyzed the relationship between student interns' academic performance, event participation, career aspirations, and various influencing factors using a detailed dataset. The goal was to derive actionable insights to enhance intern recruitment and development strategies.

- **Introduction:**
  - The analysis aimed to identify key success factors among student interns, examining attributes such as CGPA, event attendance, career aspirations, and socio-economic background.

- **Methodology:**
  - Data was collected and preprocessed for accuracy and completeness. Various statistical and exploratory data analysis techniques were applied, and visualizations were created to illustrate key trends and correlations.

- **Findings:**
  - **Academic Performance:** Higher CGPA often correlated with greater event participation and leadership skills.
  - **Event Participation:** Active participation in events was linked to higher expected salaries and better career aspirations.
  - **Career Aspirations:** Interns with clear career goals tended to have higher academic performance and more leadership skills.
  - **Influencing Factors**: Factors such as family income and experience with Python had varying impacts on different aspects of intern success.

- **Recommendations:**
  - Enhance event participation opportunities for students.
  - Focus on leadership development programs.
  - Provide career guidance and support for students with lower socio-economic backgrounds.

# Conclusion:

- The analysis provided valuable insights into the factors influencing the success of student interns, helping to inform future recruitment and development strategies.