**PROJECT CHARter**

# General project information

## Project name

Student Success Metrics: A Comprehensive Data Analysis

## Project sponser

Tushar topale

## PRoject manager

Harshada topale

## Expected Start Date

11-06-2024

## Expected completion date

11-09-2024

## estimated cost

NA

# GOals, Obhectives and deliverables

## project objective

Conduct a comprehensive analysis to uncover insights into the relationships between students' economic backgrounds, academic performance, competence, and expected salary.

## business case

The project aims to provide valuable insights into factors influencing student success. This analysis will help identify key areas for intervention and support, ensuring that students from all economic backgrounds have equal opportunities for success. The benefits include enhanced student support programs, better-informed career services, and improved job placement rates.

## goals/matrices

Goal is to identify the key factors that significantly impact success of the student in a job market. completing the data analysis and deliverables within time limit of the project. Utilizing available python tools and related libraries efficiently.

## expected deliverables

* Comprehensive video report summarizing the findings.
* Python code files (.ipynb) demonstrating the analysis.
* Detailed project documentation including Project Charter, SRS report, WBS, Project plan/schedule, RAID logs, Lessons Learned, and Final Project Report.

# project scope and schedule

## within scope

* Data collection and cleaning.
* Exploratory Data Analysis (EDA).
* Generating visualizations and insights.
* Preparing detailed project documentation.
* Compiling a video report of findings.

## outside scope

* Hypothesis testing and statistical analysis.
* Building predictive models.
* Development of a web or mobile application for displaying results.
* Long-term tracking of student outcomes post-analysis.
* Integration with existing school management systems.

# project resources and costs

## project team

narendra patil, data analytics intern

## support resources

Computer, Python 3.10, Jupyter Notebook, Excel, Word.

## cost allocation

NA

# project stakeholders and customers

## project owner

Harshada topale

## key stakeholders

Harshada topale

## end customers

Cloud counselage pvt. ltd.

# project risks, constraints and assumptions

## risks

* **Data Quality**: Incomplete or inaccurate data could impact analysis results.
* **Technical Challenges**: Potential difficulties in handling and processing large datasets.
* **Stakeholder Expectations**: Misalignment of expectations regarding the depth and scope of the analysis.

## Assumptions

* The dataset provided is comprehensive and accurate, with no outlier effects.
* Stakeholders are available for regular reviews and feedback.
* Necessary tools and resources (e.g., Python libraries, software) are accessible throughout the project.

## constraints

* **Time**: The project must be completed within a given timeframe.
* **Resources**: Limited to personal capacity and Python tools.
* **Technology**: Exclusively using Python for all stages of the project.

# milestones

## milestone 1 – requirement gathering

14-06-2024

## milestone 2 – planning

16-06-2024

## milestone 1 – design

20-06-2024

## milestone 1 – development

30-06-2024

## milestone 1 – testing

15-07-2024

## milestone 1 – deployment

20-07-2024

## milestone 1 – closure

11-09-2024