



PROJECT REPORT

Machine Learning  
  
Graduation Year Calculation and Prediction of Placement Status

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| **Created By:** | Aditya Alegaonkar | **Approved By:** | <Domain Lead Name> |
| **Created On:** | DD-MMM-YYYY | **Approved On:** | DD-MMM-YYYY |

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# **PROJECT DETAILS**

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| --- | --- | --- | --- |
| **Project Name** | Placement Prediction Status and Year of Graduation Calculation | | |
| **Project Sponsor** | Tushar Topale | | |
| **Project Manager** | Harshada Topale | | |
| **Start Date** | 01-01-2024 | **Completion Date** | 31-03-2024 |

# **SUMMARY**

The project was structured to accomplish two primary objectives:

1. Facilitate the accurate determination of students' graduation years according to their academic progression.
2. Develop a predictive framework to anticipate students' placement statuses utilizing diverse attributes.

These objectives were motivated by the imperative to optimize data processing procedures and furnish comprehensive student data insights conducive to enhanced decision-making practices. The enduring advantages of this endeavor encompass heightened data accuracy, expedited data processing capabilities, and heightened acuity in placement decision-making processes.

# **INTRODUCTION**

## Background

## The genesis of this project stems from the necessity to proficiently handle and analyze student data to bolster decision-making processes. At its core, the project encapsulated two pivotal undertakings: the precise calculation of graduation years and the prognostication of placement statuses

## Stakeholders

The stakeholder involved in this project is Harshada Topale, Project Manager at Cloud Counselage Pvt. Ltd.

## Objectives

The objectives delineated within the Project Charter were effectively realized, culminating in the successful attainment of the project's goals. The project notably yielded precise graduation year calculations and discerning placement predictions derived from the furnished dataset.

# **METHODOLOGY**

## Considerations & Assumption

The project meticulously acknowledged potential constraints and challenges, including instances of missing data and concerns pertaining to data quality. Assumptions were methodically formulated and applied to address missing data instances and uphold the overarching imperative of data accuracy.

## Approach

The project embraced a structured methodology encompassing rigorous data preprocessing, meticulous machine learning model development, and comprehensive result reporting procedures.

## Activities

Project activities encompassed data preprocessing, iterative model development, and meticulous testing procedures conducted across both training and test datasets.

# **TARGETTED V/S ACHIEVED OUTPUT**

The targeted outputs, meticulously outlined within the project plan, were successfully realized. Graduation year calculations and placement predictions were aligned with the project's overarching objectives. Any minor deviations encountered were effectively mitigated and did not compromise the overall success of the project.

# **CONCLUSION**

The project has adeptly delivered precise graduation year calculations and astute placement predictions, thereby presenting invaluable assets for both the educational institution and the placement department. The future scope of the project harbours promising prospects for advancing prediction accuracy and scalability, underscoring its enduring relevance and potential for ongoing refinement.

# **APPENDICES**

## Appendix A – Title

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