

Project Design Phase-I
Proposed Solution Template

Date	23 October 2023
Team ID	Team-592608
Project Name	ENVISIONING SUCCESS: Predicting University Scores Using Machine Learning
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem we aim to address is the need for objective criteria to evaluate and rank universities globally. We intend to provide a solution that empowers prospective students and their families to make informed choices, aids universities in identifying areas for improvement, and supports the academic community by offering an unbiased university scoring system.
2.	Idea / Solution description	Our solution involves using a regression model, specifically machine learning regression techniques, to predict university scores. We have a dataset of universities with various characteristics such as quality of education, alumni employment, quality of faculty, publications, influence, citations, and patents. These characteristics will be used as features in the regression model to predict the university's score. The main objective is to provide a web application that allows individuals to predict university scores, helping them make informed decisions about their higher education.
3.	Novelty / Uniqueness	The novelty of our project lies in leveraging machine learning techniques to predict university scores based on specific parameters. This approach offers an innovative and data-driven solution for assessing universities objectively, which can serve the needs of both students and academic institutions.
4.	Social Impact / Customer Satisfaction	Our project's social impact is two-fold. Firstly, it aids students in making well-informed decisions about their education, potentially leading to

		<p>better educational outcomes. Secondly, it provides universities with feedback to enhance their quality, ultimately benefiting students, faculty, and the academic community. This system may contribute to overall improvements in the field of higher education.</p>
5.	Business Model (Revenue Model)	<p>The core of our project centres on the development of the machine learning model and a user-friendly web application for score prediction. Potential revenue streams include licensing the technology to educational institutions or selling access to the web application. Additionally, partnerships with universities or educational organizations could offer opportunities for mutual growth and support.</p>
6.	Scalability of the Solution	<p>Our solution is inherently scalable as machine learning models can be adapted to include more universities and additional features in the dataset. It can efficiently accommodate an expanding dataset and evolve to meet the ever-changing needs of the education sector. As the dataset grows and more universities participate, the system's effectiveness will continue to improve.</p>