Project Design Phase-I
Proposed Solution
Template

Date	28 September 2022
Team ID	PNT2022TMID16260
Project Name	University Admit Eligibility Predictor
Maximum Marks	2 Marks

Proposed Solution:

SL. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	➢ The students pursuing their 12th grade are in a state of confusion for the selection of the colleges based on the marks received by them. Their prediction of getting a better college sometimes leads to a wrong calculation and leads to the missing of the opportunities of the good colleges. ➢ It is also difficult to analyze each and every college to get to know about the cut-off for each of the courses that are been provided by them based on the board exam scores and any other competitive exam scores.
2.	Idea / Solution description	The project will provide a way to analyze the marks obtained by the students and will compare them with the marks allotted by the college and will provide the overall prediction of the college list that is suitable for the students.
3.	Novelty / Uniqueness	➢ The data that is been collected for the analysis of the marks for prediction will be trained with deep learning methodology using IBM Watson, which gives a more accurate result of the marks, compared to the other ways the project had been implemented. ➢ The data will be including the 12th Grade and along with the other competitive exams that are required by the colleges will be taken together for giving a better prediction for the students.
4.	Social Impact / Customer Satisfaction	➢ The impact will be that the student will be able to find the college. The college that is predicted by the college will be able to help the students to find a suitable college. ➢ The students will be satisfied with getting a better college and will be free of any mental stress of getting the college.
5.	Business Model (Revenue Model)	See below

6.	Scalability of the Solution	➤ The project will be having the Python Flask for the development of the backend, which makes it easy to run on any web browsers and it will affect the collection of data from the user side and the sending of prediction analysis from the IBM Watson.
		➤ The server IBM Cloud will be used for making it work without any slow loading or delay of the prediction of the website.

5. Business Model (Revenue Model):

The business model describes how a company generates value. It mainly focuses on how to make a profit for the organization. It identifies the products or services the business plans to sell, its identified target market and any anticipated expenses. It is very essential for the current project since it is going to be a new business in the market. It needs financial support and they are been framed in the revenue model to make a successful place in the market.

The Revenue model describes how a company generates from the value it has generated for customers. It identifies which revenue source to pursue based on some of the questions that need to be asked for the amount of money that needs to be spent on each of the products. The major things focused on this are, what value to offer? How to price the value? and Who pays for the value?

For the project, University Admit Eligibility Predictor, the following questions under the guidance of the revenue model is been framed to have an understanding of the money that is going to be used on various factors of development of the deployment and maintenance of the product.

1. Who pays? – Is it always the client? (Advertiser, Sponsor, Insurer)

The Insurer will be paying for the product because the product will be given insurance by any organization for the development and implementation and maintenance of the product.

2. How much is paid? – Is it always fixed? (Auction, Volume Discount, Dynamic Pricing)

It depends on the number of customers going to use the product. That includes the students visiting the website per day so that the server maintenance will be allotted the money that needs to be paid on that basis. The amount paid is never fixed it is based on dynamic pricing.

3. What is paid? – Is it always money? (Data, Activities, Shares)

It is entirely money that is being paid in this project. The data that is been received from the students and the data from the colleges is the cut-off kept by them. It also includes the courses in the colleges and the student's selection of them.

4. How is paid? – Is it always directly? (Subscription, Credit, Lease)

It varies according to the maintenance of the product if it is going to be maintained on a large scale with the help of cloud providers that are GCP, AWS or servers. This case includes a subscription to be maintained either for a year or month wise.

5. For what is paid? – Is it always the product? (Per Add-On, Per Result, Per Use)

The money is been paid mostly only for the product alone, this is because it is only the product that needs money to be running the funds for the project. It requires special funding for the product that is been used based on the customers using the website. It varies from the month; this is due to the use of the website will be only during the release of the result of the 12th board exams. During this period, the need for the search for colleges will be more (i.e., March, April, and May Months) compared to the rest of the year.