Project Design Phase-I
Problem – Solution Fit – University Admit Eligibility Predictor

Date	14 October 2022
Team ID	PNT2022TMID21892
Project Name	University Admit Eligibility Predictor
Maximum Marks	2 Marks

University Admit Eligibility Predictor

1. CUSTOMER SEGMENT(S)

Who is your customer?

- The possible students who have completed their schooling and UG searching for university to study PG
- A wide range of students having low to financial resources.

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

- The major task is to design a university admission prediction system and to provide a probabilistic insight into the university rating, cutoffs, intake count and the students' university preferences.
- It is indeed a cumbersome task for students to find their best-suited university and course for their further post graduation.
- The students are to be provided with a list of universities where admission is feasible so that the student can choose from the list.
- The system must do the aforementioned tasks effectively as well as efficiently.

3. TRIGGERS

- Students often get tensed and anxious about their admission chances of their desired universities,
- The students' peers may get lot of colleges to choose from, with lesser time and effort and lesser expenses.
- Triggered by `word of mouth`

4. EMOTIONS: BEFORE / AFTER

- ***Before:*** Insecure and unaware of the process, suffering to select the best-suited university. Rapacious agent and missing out of possible universities
- ***After:*** Secure, user-friendly and aware of process. Reduced cost and does not miss out feasible universities.

6. CUSTOMER CONSTRAINTS

Searching the right and best-suitable college from the wide range of options of colleges that are available for admissions.

- Reduce the students' concern and fear of getting admission dream university.
- Reduce cost incurred to travel or communicate with Incomplete training information.
- Output the feasibility of getting admission at a desired university.

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

The currently available solutions do not serve the complete purpose. They lack essential criteria that needs to be considered while predicting the feasibility of getting in their admission in the desired university.

 Lacks dynamic nature and scalability. respective universities

 Absence of powerful ideas like polynomial and logistic regression and other machine learning algorithms.

9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.

7. BEHAVIOUR

What does your customer do to address the problem and get the job done?
i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

- There may not be a single place where the students can find all the admission related information of the universities. ***Direct:*** The students will try to visit all the universities that he/
- The students may not be aware of the eligibility criteria of she wishes to get admission and contact the students studying at various universities in and around the world. the desired university. Get notified about the criteria to get

Focus on J&P

understand

Identify strong TR & EM

- The admission criteria of the colleges may not be consistent admission and also take necessary measures to meet the criteria. with the information provided by agents.
- The agents may use untrustworthy information.
- ***Indirect:*** required criteria Pay for in an the agency desired that helps universities the andstudents visit onlyto find those the
- A student may mistakenly anticipate of certain admission by selective universities and get the job done. checking the previous year's eligibility criteria.

10. YOUR SOLUTION

- The focus is to reduce the time, effort and money spent on finding the universities where admission is feasible for The students may browse the Internet to research about their pursuing higher education. desired universities and get to know required information.
- The input to the system are student's academic details This is a time-consuming task and may miss out some which includes CGPA, Scores in GRE, TOEFL, resume, universities of interest LOR, SOP and other university eligibility features.
- The system uses a pre-trained machine model (ML, IBM and Watson Studio) to predict the feasibility of admission in desired university based on the provided details.
- The output of the system is the list of possible universities for the student to apply for admission.

8. CHANNELS of BEHAVIOUR

8.1 ONLINE

What kind of actions do customers take online? Extract online channels from #7

Visit the desired universities in person and gather admission student data.

This incurs extra effort and expenses.

8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

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