PROJECT TITLE-Intelligent Admissions: The Future Of University Decision Making with Machine Learning

NM_ID: NM2023TMID17799

Define Problem/Problem Understanding

Business Requirements

INTRODUCTION

> ➤ The aim of this project is to make online university service based on composite service offered by service producer.

> ➤ Application is constructed out of services like student information service, payment gateway service, aadhar information service.

> ➤ In this project, student information service is open to all university so that information distribution is possible.

❖ **Purpose :-**

> ➤ The purpose of this project is to collect and store information about all students studying in various universities and those stored information distribution is possible.

- The purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals.
- This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our team and audience see the product and its functionality.

❖ **Scope :-**
- Primarily, the scope of project is limited to universities only.
- Student's information is first time retrieved from aadhar service and with aadhar information some additional details are added which are kept safe in student information service.
- If student entering into other universities or same universities for studies their information are retrieved from student information service by using aadhar ID number.

❖ **Overview :-**
- The remaining sections of this document provide a general description, including characteristics of the users of this project, the product's hardware, and the functional and data requirements of the product. It also gives the user viewpoint of product.

SPECIFIC REQUIREMENTS

The specific requirements are –

❖ **Functionality :-**
- This subsection contains requirements for Online University with payment gateway.

- The service should collect and store all the student information from universities application who be configured.
- The service should allow user to select the particular student information based on aadhar id.
- The service should provide all the available students details in various formats.
- The service should allow all the editions, deletion of information of any student with proper authentication mechanism.
- The service should aloe fees payments based on universities restrictions.

❖ **Client application features :-**
  ➢ Client application are customized according to their requirements.
  ➢ Application should follow proper contract specified by service while designing application.
  ➢ Application can only utilization of student information service is more than enough because it is composed service.

❖ **RELIABILITY & AVAILABILITY**
  ➢ The service shall provide storage for all student information that all are unique in nature because of aadhar id.
  ➢ The service shall provide for replication of databases to off-site storage locations. So that availability is fulfilled.
  ➢ The system shall provide a contractual agreement with an internet service provider who can provide 99.999% availability through their network facilities onto the internet.

❖ **Performance :-**

- The service shall be based on web and has to be run from a web server.
- The service shall take initial load time depending on internet connection strength which also depends on the media from which the service is run.

❖ **Security :-**
- The system and service shall need to use secure sockets in all transactions that include any confidential customer information.
- The service's back-end student details are available based proper authentication mechanism and application type.
- The service's back-end databases shall be encrypted.

❖ **Design constraints :-**
- **Application constraints**
  - There are no memory requirements.
  - The consumer computers must be equipped with internet connection.
  - The application must be configured in such a way that allows the consumer easy access to it.
  - Service does not restrict application in any particular language and platform.
  - Application should follow proper standard contract of service.

❖ **Interfaces :-**
- There are many types of interfaces as such supported by online university service namely ;
  - Mobile based interface
  - Application based interface
  - Website based interface
- The protocol used shall be HTTP.

- ➢ The Port number used will be 80.
- ➢ There shall be logical address of the system in IPv4 format.

❖ Applicable Standards
- ➢ It shall be as per designed according to service standard contract.