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.