**UNIVERSITY ADMIT ELIGIBILITY PREDICTOR**

**FUNCTIONAL AND NON FUNCTIONAL REQUIREMENTS**

**Functional Requirements**

**Dataset Upload**

In this module, the university datasets should be uploaded as CSV files. Additionally, the information is kept in a database for later use. The dataset includes information on the course details, university rating, chance of admit and other aspects of university. These details are preserved as integer values and acquired from the Kaggle website.

**User Enrolment**

After registration, the user can login in this application using registered username and password. Then the user has to give input by upload their qualification details to get the university admission.

**Classification**

Classification is the process of dividing data into various categories. The method starts by determining the class of the given data points. Classification is achievable for both structured and unstructured data. The terms target, label, and classes are occasionally used to describe the classes. After upload the qualification details, it will be compared with the dataset in the system for the features obtained in the feature extraction stage in classification process. The specific qualifications will be recognized once the ideal match is discovered based on the qualities matched. The detected university name with its details of rating, course details, university facilities and other aspects will be appeared to the user.

**Predict University**

In this module, the user can view the predicted university with its details includes chance of admission, course details, rating of university, university facilities and other aspects of predicted university. Use Machine learning model with SVM algorithm and pre-trained data, the system will predict the admission of university.

**Non - Functional Requirements**

**Usability**

The system shall allow the users to access the system with pc using web application. The system uses a web application as an interface. The system is user friendly which makes the system easy

**Availability**

The system is available 100% for the user and is used 24 hrs a day and 365 days a year. The system shall be operational 24 hours a day and 7 days a week.

**Scalability**

Scalability is the measure of a system's ability to increase or decrease in performance and cost in response to changes in application and system processing demands.

**Security**

A security requirement is a statement of needed security functionality that ensures one of many different security properties of software is being satisfied.

**Performance**

The information is refreshed depending upon whether some updates have occurred or not in the application. The system shall respond to the member in not less than two seconds from the time of the request submittal. The system shall be allowed to take more time when doing large processing jobs. Responses to view information shall take no longer than 5 seconds to appear on the screen.

**Reliability**

The system has to be 100% reliable due to the importance of data and the damages that can be caused by incorrect or incomplete data. The system will run 7 days a week. 24 hours a day.