# SOLUTION REQUIREMENTS (FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS)

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| DATE | 31 October 2022 |
| TEAM ID | PNT2022TMID08835 |
| PROJECT NAME | University Admit Eligibility Predictor |
| MAXIMUM MARKS | 4 Marks |

## FUNCTIONAL REQUIREMENTS:

| FR NO | Functional Requirement | Sub- Requirement(Story/Sub-Task) |
|---|---|---|
| FR-1 | User Registration | Registration through forms by providing correct details. |
| FR-2 | User Login | Login by providing username and password |
| FR-3 | User Profile | Complete user profile by providing the Student Academic details. |
| FR-4 | User Data Collection | The following information about students' scores is gathered:<br>If they are PG applicants,<br>their ,<br>HSC<br>SSLC<br>CGPA. |
| FR-5 | Evaluation | Analysing the data entered by the pupils using ML algorithms and putting the ML model that has been produced to the test using the supplied data. |
| FR-6 | Prediction | The list of universities to which the students are qualified to apply will be shown after the prediction is made based on the findings of the evaluation. |
| FR-7 | Output | The list of universities to which the students are qualified to apply will be shown after the prediction is made based on the findings of the evaluation. |

## NON-FUNCTIONAL REQUIREMENTS:

| NFR No | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | 1)Interactive and powerful progress visualisation<br>2)Customer Satisfaction<br>3)Easy to Learn |
| NFR-2 | **Security** | 1)User details are secured from unauthorized parties.<br>2)When the programme isn't being used, it automatically logs out to prevent unauthorised users from accessing the user's account. |
| NFR-3 | **Reliability** | The users can find universities based on their preferred location and results. |
| NFR-4 | **Performance** | The website will provide the list of universities within 30 seconds. |
| NFR-5 | **Availability** | The system predictor will be accessible to users wherever they are and whenever they need it. |
| NFR-6 | **Scalability** | It can handle any volume of data and carry out several computations efficiently and quickly. |