Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	13 October 2022
Team ID	PNT2022TMID17475
Project Name	Skill / Job Recommender-Cloud Application Development
Maximum Marks	4 Marks

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	1. User can directly interact through chat bot to solve their queries. 2. User can apply jobs from their personalized jobs list in the web page.
NFR-2	**Security**	1. User data would be safely stored in IBM db2. 2. Using of SSL certificate (Python Flask to Cloud connect) will provide security to the project.
NFR-3	**Reliability**	1. Personalized job vacancies would be listed in the web page will be always reliable when the person logged in. 2. The status of the web page will be always reliable.There won't be server error .
NFR-4	**Performance**	1. Focus on loading the webpage as quickly as possible irrespective of the number of user/integrator traffic. 2. Carry out an evaluation to quantify empirically the recommendation abilities of two state-of-the-art methods, considering different configurations, within the proposed framework
FR-1	User Registration	1. Registration through Form 2. Registration through Gmail 3. Registration through LinkedIN
FR-2	User Confirmation	1. Confirmation via Email 2. Confirmation via OTP

NFR-5	**Availability**	1. The scraper is set up to avoid duplicate job offers, thus all the job offers are unique.
		2. To making the user reliable. This webpage will be available to all users (network connectivity is necessary) at any given point of time.
		3. Made publicly available a new dataset formed by a set of job seekers profiles and a set of job vacancies collected from different job search engine sites.
NFR-6	Scalability	1. Hiring people can take their candidates unlimitedly.
		2. Unlimited personalized jobs will be listed on the web page based on their their skill.

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	4. Registration through Form 5. Registration through Gmail 6. Registration through LinkedIN
FR-2	User Confirmation	3. Confirmation via Email 4. Confirmation via OTP
FR-3	Job Vacancies	Display job profiles based on their mentioned skills in linkedin.
FR-4	Chatbot Interaction	User can solve their issues, queries and recommend for user guides.
FR-5	Improve User Profiles	User can take their interested domains test and improve their profile strength which adds advantage for hiring.
FR-6	Job application and recommendations	User can apply their required jobs from their personalized jobs list and also they can get information about their recommended jobs through mail.