Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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	Registration through Form
		Registration through Google Account
		Registration through LinkedIn Account
FR-2	User Login	Login using login credentials
		Sign in with Google/ LinkedIn Account
FR-3	Search jobs	Job seekers search for jobs by desired role, salary and location.
FR-4	Get Appropriate Job Recommendations	Resume extraction/resume parsing is done to extract useful information from the CV uploaded by the job seekers. The extracted features are the basic features, and the job seeker's activity is recorded, which gives the dynamic features.

		The basic and dynamic features help provide personalized job recommendations to job seekers via chatbot.
FR-5	Get Job Alerts	Timely reminders are provided regarding the deadlines of the application process and new job openings.
FR-6	Get Accurate Skill Recommendations	Job seekers are recommended technical certification courses based on their resumes to become skilled and industry ready.
FR-7	Display Job-Skill Match Score	Job seekers are provided with a match score which indicates how much their skills match the job profile.
FR-8	Post job vacancies	Job recruiters post details of job vacancies in their company. The details include the job description, required qualifications, job responsibilities, working conditions, etc.
FR-9	Fake Job Detection and Removal	The portal has a fake job offer detection engine embedded in it.
FR-10	Bookmark Job Posts	The job seeker can bookmark or tag any number of jobs that they apply for, for quick access.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Intuitive UI is provided to the users, ensuring they can easily navigate through the application.
NFR-2	**Security**	**Authentication** - The user must be logged in to view the job posts and apply. **Withholding of sensitive information** - Passwords are not stored within the system or revealed to the users. **Privacy** - The users can choose who can view their profile/posts.
NFR-3	**Reliability**	The system performs without failure in 95% of the use cases. The total downtime for the system over a year shall not exceed 50 hours.
NFR-4	**Performance**	**Processing time** - The processing time takes less than three seconds. **Response time** - The server responds to the client's requests in less than one second. **Querying time** - Querying the database takes less than one second.
NFR-5	**Availability**	The system is always available.

NFR-6	**Scalability**	To meet the changing demand and workload, cloud services are utilized.
NFR-7	**Recovery**	The system frequently backs up the user data to avoid any data loss. In the event of any disaster, the latest backup is immediately restored.