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

Date	20 February 2026
Team ID	LTVIP2026TMIDS28544
Project Name	Gemini Historical Artifact
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR	Requirement	Description
FR-1	Artifact Input	Enter artifact name & word count
FR-2	Validation	Check empty input & limits
FR-3	AI Integration	Connect to Gemini API
FR-4	Generation	Generate artifact description
FR-5	Output	Display generated content
FR-6	Extra Feature	Show historical fact

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application must have a simple and intuitive Streamlit interface that is easy to use.
NFR-2	Security	API keys must be securely stored and not exposed in the frontend.
NFR-3	Reliability	The system should generate consistent and structured outputs for valid inputs.
NFR-4	Performance	Recipe generation should complete within a few seconds.
NFR-5	Availability	The application should be accessible online whenever deployed.
NFR-6	Scalability	The system should handle multiple users without significant performance degradation.