

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

Team ID	PNT2022TMID50438
Project Name	AI-based discourse for Banking Industry

**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	<ul style="list-style-type: none"><li>Registration through Form</li><li>Registration through Gmail</li><li>Registration through LinkedIn</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>Confirmation via Email</li><li>Confirmation via OTP</li></ul>
FR-3	Complex dialogues	<ul style="list-style-type: none"><li>In addition to understanding and interacting within conversations, outstanding chatbot software has NLP functions (Natural Language Processing) to analyze the context of a conversation.</li></ul>
FR-4	Response	<ul style="list-style-type: none"><li>The bot should respond to any input it receives.</li></ul>
FR-5	User data storage	<ul style="list-style-type: none"><li>The bot should be able to create a private cloud or virtual machine instances from user input.</li></ul>
FR-6	Send users data	<ul style="list-style-type: none"><li>The data can be sent as a text message.</li><li>The data can be sent as a graph + accompanying text, if requested by the user.</li></ul>

**Non-functional Requirements:** Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	<ul style="list-style-type: none"><li>Web interface.</li><li>One account for all locations.</li><li>API.</li></ul>
NFR-2	<b>Security</b>	<ul style="list-style-type: none"><li>The bot should authenticate the users before being able to query information from the bot.</li><li>Encrypted Storage.</li></ul>
NFR-3	<b>Reliability</b>	<ul style="list-style-type: none"><li>Faster than humans and because of the repetitive tasks</li></ul>
NFR-4	<b>Performance</b>	<ul style="list-style-type: none"><li>Response time is less</li></ul>
NFR-5	<b>Availability</b>	<ul style="list-style-type: none"><li>Service level agreement (SLA)</li></ul>
NFR-6	<b>Scalability</b>	<ul style="list-style-type: none"><li>The product should be open-source and published under some license.</li></ul>