

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

<b>Team ID</b>	PNT2022TMID06909
<b>Project Name</b>	Hazardous area Monitoring For industrial plant powered by IOT
<b>Maximum Marks</b>	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>S. No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
<b>1</b>	<b>Alarm</b>	To alarm the specialists within the adjacent segments.
<b>2</b>	<b>Smart wearable's</b>	To inform the clients around the temperature of the zone.
<b>3</b>	<b>Beacons</b>	To broadcast the information.
<b>4</b>	<b>Cloud storage</b>	To store and get to the information.
<b>5</b>	<b>Temperature sensors</b>	To identify the temperature of a specific region.
<b>6</b>	<b>Mobile Application</b>	To caution the clients in the event that the temperature is expanded beyond a certain restrain.

**Non-functional Requirements:**

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

<b>S. NO</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
<b>1</b>	<b>Usability</b>	Accessibility of user-friendly wearable gadgets.
<b>2</b>	<b>Security</b>	It'll be secure for the specialists by installing the devices within the industry.
<b>3</b>	<b>Reliability</b>	Information is spared within the secured server so they don't provide any escape clauses for the programmers.
<b>4</b>	<b>Performance</b>	No server crash or server down.
<b>5</b>	<b>Availability</b>	Data is accessible through wearable gadgets and portable application.
<b>6</b>	<b>Scalability</b>	No server crash or server down.