

Project Design Phase-II
Solution Requirement (Functionl &Non-Functional)

<i>Date</i>	<i>29october2022</i>
<i>Team ID</i>	<i>PNT2022TMID48583</i>
<i>Project Name</i>	<i>IOT based safety gadget for child safety monitoring and notification</i>
<i>Maximum Marks</i>	<i>4 Marks</i>

Functional Requirement:
Following are the function of the proposed solution.

<i>FR NO.</i>	<i>Function Requirement(Epic)</i>	<i>Sub Requirement(Story/Sub-Task)</i>
<i>FR-1</i>	<i>User Registration</i>	<i>Registration through form Registration though Gmail</i>
<i>FR-2</i>	<i>User Confirmation</i>	<i>Confirmation via Email Confirmation via OTP</i>
<i>FR-3</i>	<i>Data Entry</i>	<i>Collect data form user as child, parent detail with contact no and near place</i>
<i>FR-4</i>	<i>Verification of data</i>	<i>Check the data Confirm the data</i>
<i>FR-5</i>	<i>Communication and datastorage</i>	<i>On GPS with GSMcommunication Connect the gadget with mailand SMS</i>
<i>FR-6</i>	<i>Phase</i>	<i>GPS antenna and GSM antenna Sensors for temperature, heartbeat, body posture, anddetecting metal.</i>

Non-Functional Requirement:

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

<i>FR NO.</i>	<i>Non-functional Requirement</i>	<i>Description</i>
<i>NER-1</i>	<i>Usability</i>	<i>Prevent kids from kidnap and missing. Helpful for family, child and police.</i>
<i>NER-2</i>	<i>Security</i>	<i>Highly Secure the data form user Secure for child safety and health control.</i>
<i>NER-3</i>	<i>Reliability</i>	<i>Communication is strong to send mail, SMS and Emergency alarm to warn parents.</i>
<i>NER-4</i>	<i>Performance</i>	<i>Analysis the child's surrounding and health.</i>
<i>NER-5</i>	<i>Availability</i>	<i>It can perform 26/7 hours</i>
<i>NER-6</i>	<i>Scalability</i>	<i>Memory usability Network connection</i>