

**Project Design Phase-I**  
**Proposed Solution Template**

Date	9 October 2022
Team ID	PNT2022TMID14548
Project Name	Project – IoT Based Safety Gadget For Child Safety Monitoring
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	It provides a security cover to the child .
2.	Idea / Solution description	The aim of this device is to provide safety to the child by allowing the parent to locate the child and view their surroundings. This device can be used to monitor the temperature and motion of the child.
3.	Novelty / Uniqueness	It provides parents with the real time location, surrounding temperature, UV radiation index and SOS light along with distress alarm buzzer for their child's surroundings and the ability to locate their child or alert by standers in acting to rescue or comfort the child. This system requires network connectivity, satellite communication, and high-speed data connection when we use web camera and GPS to lively monitor.
4.	Social Impact / Customer Satisfaction	Through this, child safety can be ensured and crime rate will be reduced. However, the proposed device is not robust enough and does not contain sufficient functions to operates like a mobile phone.
5.	Business Model (Revenue Model)	Compliance monitoring, preventive maintenance, asset tracking, automatic fulfillment, and remote diagnostics.
6.	Scalability of the Solution	Low cost design and implementation of an IoT based system that allows schools, parents and authority.