

# Project Design Phase – I

## Problem Solution Fit

Date	1 OCTOBER 2022
Team ID	PNT2022TMID00858
Project Name	IOT-BASED BABY MONITORING SYSTEM SURVEY USING THE RASPBERRY Pi

Define CS, fit into CC	CS	6. CUSTOMER LIMITIATIONS	CL	5. AVAILABLE SOLUTIONS	AS	Explore AS, differentiate
Focus on J&P, tap into BE, understand	PR	9. PROBLEM ROOT CAUSE	RC	7. BEHAVIOUR	BE	Focus on J&P, tap into BE, understand
Identify Strong TR & EM	TR	10. YOUR SOLUTION	SL	7. CHANNELS of BEHAVIOUR	CH	Extract Online and Offline CH of BE
they face in their daily life to their parents. They can't even realize what actually happens to them at their age. It is also difficult for parents to identify their children are being abused.	<b>4. EMOTIONS BEFORE/AFTER</b>  <b>Before:</b> Prevent children before being attacked, an autonomous real-time monitoring system is necessary for every child out there. <b>After:</b> Increased the level of confidence and feel secured	A Raspberry Pi-based system was used to create the hardware. Baby's heartbeat is detected using the B+ module and condenser MIC PIR motion sensor integration allows for the detection of sobbing. Pi camera is used to catch the baby's movement.movement of the child.	<b>ONLINE</b> Promoting through social media. With the help of social media entrepreneurs/influencer.	<b>OFFLINE</b> <ul style="list-style-type: none"><li>Newspaper advertisements.</li></ul>		