# Project Design Phase-I
# Proposed Solution

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| Date | 25 September 2022. |
| Team ID | PNT2022TMID00858 |
| Project Name | IOT-BASED BABY MONITORING SYSTEM SURVEY USING THE RASPBERRY Pi. |
| Team Leader | BALA SUBRAMANIAN.M |
| Team Members | M.GOKUL NITHISH,HARISH.D B.ABISHEK. |
| Maximum Marks | 2 Marks |

## Proposed Solution Template:

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

| S.No. | Parameter | Description |
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| 1. | **Problem Statement (Problem to be solved)** | IOT-BASED BABY MONITORING SYSTEM SURVEY USING THE RASPBERRY Pi. |
| 2. | **Idea / Solution description** | Working parents face a difficult task when taking care of a baby. In this article, we show a smart child monitoring system that enables parents to keep an eye on their child in real time and from a distance. The "Raspberry Pi 3 B +" card, a Pi camera, a sound sensor, and a temperature sensor are the foundation of the suggested system. This system uses a convolutional neural network to identify and analyse the baby status in his cradle, making it more effective. The proposed system's installation and trial findings show how effective and precise it is and how much it may aid parents in caring for their infant. |
| 3. | **Novelty / Uniqueness** | IOT-BASED BABY MONITORING SYSTEM SURVEY USING THE RASPBERRY Pi.with IBM cloud |
| 4. | **Social Impact / Customer Satisfaction** | One of the most significant advancements in human service is the Internet. Its primary goals are to promote global communication and knowledge dissemination. The Internet is now utilised practically everywhere, whether it be for informational purposes, emailing, or even on a business-level. It is also difficult for many people who work without it. The emergence of the Internet of Things (IoT) in recent years has sparked a new industrial revolution that will eventually alter how we live in our planet. |
| 5. | **Business Model (Revenue Model)** | • Keep track of child |

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| 6. | **Scalability of the Solution** | In order to enable information sharing and a wide range of applications through the internet, an IOT system connects a massive number of sensors, actuators, and other devices. It presents difficulties for the system's growth and design in terms of scalability and adaptability to the populace's changing demands and the environment. Scalability implies adaptability, which enables us to more effectively address and meet the individual demands as they emerge. |