**Project Title: IOT based safety gadget for children safety and monitoring Project Design Phase-I** - **Solution Fit Template Team ID:** PNT2022TMID50333

**Focus on J&P, tap into BE, understand RC**

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**AS**

**5. AVAILABLE SOLUTIONS**

Which solutions are available to the customers when they face

the problem?

A smart **IOT** device **for** child **safety** and tracking is developed to

help the parents to locate and monitor their children.

Which sectors are most likely to adopt IoT technology?

The industries leading the way include **manufacturing, utilities, and oil and gas**,

with 56% already adopting IoT, as opposed to 36% within “light” industries.

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

1. **CUSTOMER SEGMENT(S)**

|  |
| --- |
| What is segmentation?  **IOT devices can run on a common infrastructure that includes a shared network and security platform**. |

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**7. BEHAVIOUR**

**What is the use of IOT?**

It demonstrates Smart IOT device for child safety and

tracking **helping the parents to locate and monitor their children**.

**RC**

**9. PROBLEM ROOT CAUSE**

What is the back story behind the need to do this job?

The key driver behind smart and secure homes is IOT. A

variety of sensors, lights, alarms and cameras are

connected via IOT to provide 24x7 seccurity.

**J&P**

**2. JOBS-TO-BE-DONE / PROBLEMS**

Data Analytics; Network and the Networking Structure **Security**;

Hardware and **Devices**; User Interface.

**Focus on J&P, tap into BE, understand RC**

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| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  This work mainly focuses **on alerting the individuals arround baby so as to locate the baby in safer zone**  **before arrival of the parent**. | **10. YOUR SOLUTION**  IoT technology can then be used for monitoring and maintaining a safe work environment, especially  through **effective record keeping**. In this particular case, records of compliance training are reviewed and  management makes sure all employees have had adequate training, especially in safety etiquette | 1. **CHANNELS of BEHAVIOUR**   Different devices are connected with a single device through **channels of internet-concerned**  **parents** to track their children in real time or for women safety . |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do parents feel when they face a problem ?  Before: parents do not have any source with them to find their children. They were helpless.  After: This wearable device has a superior mode for viewing and locating the children\'s whereabouts with  correct latitude and longitude, which is especially useful when using Google maps. This could assist to reduce the  number of attacks on children while also making them feel protected and secure. The major goal of this project is  to create a device that protects youngsters from risky circumstances while also assisting them in combating them. |