**Project: IoT BASED SAFETY GADGET FOR CHILD MONITORING AND NOTIFICATION**

**Project Design Phase-I** – **Problem solution**

**Team ID:** PNT2022TMID50776

|  |  |  |
| --- | --- | --- |
| 1.CUSTOMER SEGMENT(S)  Our customers are mainly parents. The parents to keep track of their children when they are out of their sight. | 6. CUSTOMER CONSTRAINTS  Child safety and tracking is of utmost importance as children are the most vulnerable. With increasing crime rates such as child kidnapping, child abuse and so on. | 5. AVAILABLE SOLUTIONS  Children need to carry mobile phones in order to contact their parents.  The solutions are available readily in the market such as GPS, GSM kit, etc.., |
| 2. JOBS-TO-BE-DONE / PROBLEMS  Instant notification to the parents and to their close relative if the children is in danger.  Health monitoring and reporting the health condition to their parents. | **9. PROBLEM ROOT CAUSE**  Most parents want to love and care for their child in a safe home. Stress, tiredness or lack of parenting skills or family support make the pressures of caring for a child overwhelming.  Mental health problem. | **7. BEHAVIOUR**  Find the way to protect the child using IoT sensors. Indirectly associated with safety of the child without help of parents. |
| 3. TRIGGERS  The trigger which induces the customers is the one that when other working parents give a try to this and comment  a positive review on this, they also tend to have a try to enhance their child safety. | **10. YOUR SOLUTION**  . We provide an environment this problem can be resolved in an efficient manner.  It is useful to reduce the stress of the parent and increase the safety of the child and it afford confident to the parents. | **8. CHANNELS OF BEHAVIOUR**  Our solution has the modes of working in both offline and online.  ONLINE: keep track of their location and Notify to the parents.  OFFLINE: Contact the parents in case of abnormal situation. |
| 4. EMOTIONS: BEFORE / AFTER  People do not feel good to buy the product as it is very costly. They feel more relaxed as they monitor their child and can concentrate on their work. |  |  |

