ProjectDesignPhase-
IProposedSolutionTemplate

Date	19September2022
TeamID	PNT2022TMID19071
ProjectName	ChildSafetyMonitoringandNotification
MaximumMarks	2Marks

ProposedSolutionTemplate:

Projectteamshallfillthefollowinginformationinproposedsolutiontemplate.

S.No.	Parameter	Description
1.	ProblemStatement(Problemtobesolved)	In order to reach the objectives set out for thispaper, Section II provides a detailed problemdescription,whichincludesanoverview ofapproaches . This paper introduces the mainconceptsofestablishingaIOTbasedsafetyga dgetforchildsafetyMonitoring&Notification.
2.	Idea/Solutiondescription	Child tracker helps the parents in continuouslymonitoring the child's location. They can simplyleavetheirchildreninschoolorparksandcrea tea geo-fence around the particular location. Bycontinuouslycheckingthechild'slocationnotific ationswillbegeneratedifthechildcrossesthe geo-fence. Notifications will be sent accordingtothechild'slocationtotheirparentsorcar etakers.Theentirelocationdatawillbestoredinthed atabase.
3.	Novelty/Uniqueness	Thenoveltyoftheworkisthat thesystemautomatically alerts the parent/caretaker bysendingSMS,whenimmediateattentionisreq uiredforthechildduringemergency.BasedonIO T,RFID,andcloudcomputingtechnologies,ourpr ojectis designedtoguaranteethechildrensecurityandp rotection.

4.	Socialempact/CustomerSatisfaction	Basically In our socity, children cannot complainaboutabusementwhichtheyfaceintheirdalylifetotheirparents.Theycan'tevenrealizewhatactuly happens to them at theirage. It is alsodifficult for parent to identify their children arebeing abused . Since to prevent children beforebeingattacked,anautonomousrealtimemonitoringsystemisnecessaryforevery childoutthere Thispaperpresents asystemtomonitorpick-up/dropoffofschoolchildrentoenhancethesafetyof childrenduringdailytransportationfromand to school. The system consists of two unit, Abus unit and School unit. The bus unit the systemisusedtodetectwhenachildrenboardsorleavesthe bus. The information is commiunicated to theschool unit that identifies which of the childrendid not board or leave the bus. Issues an alertmassegeaccordingly. That will help the children to be safe from abusesand dificullties which children face daily in theirlifeandalsoparenttomonitortheirchildren,thatwillkeepthemstressfree.
5.	BusinessModel(RevenueModel)	AChildtrackingsystemisanefficienttrackinsystem,Design for tracking the movement of yourchildfromj anylocation,atanypoint Childsafetyisbecominganincreasinglyimportantissue. Parent are concerned about the security ofthir children avery second they are away fromthem. The busy and stressful lives we makes itdifficult to follow the kids, constantly asking foeminute-to-minuteupdate.Evenafterpayingimmense attention to their activities or leavingthemultra-vigilantbabysitters.Itisverymuchpossibletolosetrackofthekids. Theevolutionoftechnologyhasmadethingseasier for everyone. One of the many gifts thattechnology has given us is the Global PositioningSystem(GPS)tracking.Wecantrackreal-timelocationswiththehelpof GPS
6.	ScalabilityoftheSolution	Throughout theresearch, it is clearly explainedthe IoT concept, child safety issues and the needofusingchildsecuritysystem.Somepreviousstudies have been included for designing the IoT-based child security smart band. It assists parentstomonitortheirchildrenremotely.Incasesituationshappen, notificationswill besent toparentsso thatactionscan betaken. Throughthis, child safety canbe ensuredand crimeratewill be reduced. child safety canbe ensuredandcrimeratewillbereduced.