PROJECT DESIGN PHASE – I

PROPOSED SOLUTION

PARAMETERS

PROBLEM IN LOCATION TRACKING:

The accuracy of the location might be varied. The device must be small, compact and weightless. It must not produce any light or sound and must also be accurate.

SOLUTION FOR THE PROBLEM:

Our teammates, have designed an IoT based software which helps parents to track their children using GPS.

NOVELTY

This software is designed for parents to track the movement their children while they are not around them. It has an IoT based hardware tracking device that provides their location and the parents have an mobile device that provides the location.

FEASIBILITY:

The project is feasible and can be implemented using C/C++ framework for AVR, ARM, and more (based on Wiring) Device BootLoader. IBM Cloud services can be used for data storage and android studio for developing the app.

BUSINESS MODEL:

Apart from child safety, a revenue is important for a organization, so the required revenue can be brought up by subscription models.

SOCIAL IMPACT:

This software helps to keep the children and the neighbourhood safe. It can also be used to have a track on various other baggage or things.

SCALABILITY:

This software is based on SDLC, so the scalability of the software can be changed according to the needs of customers in future.