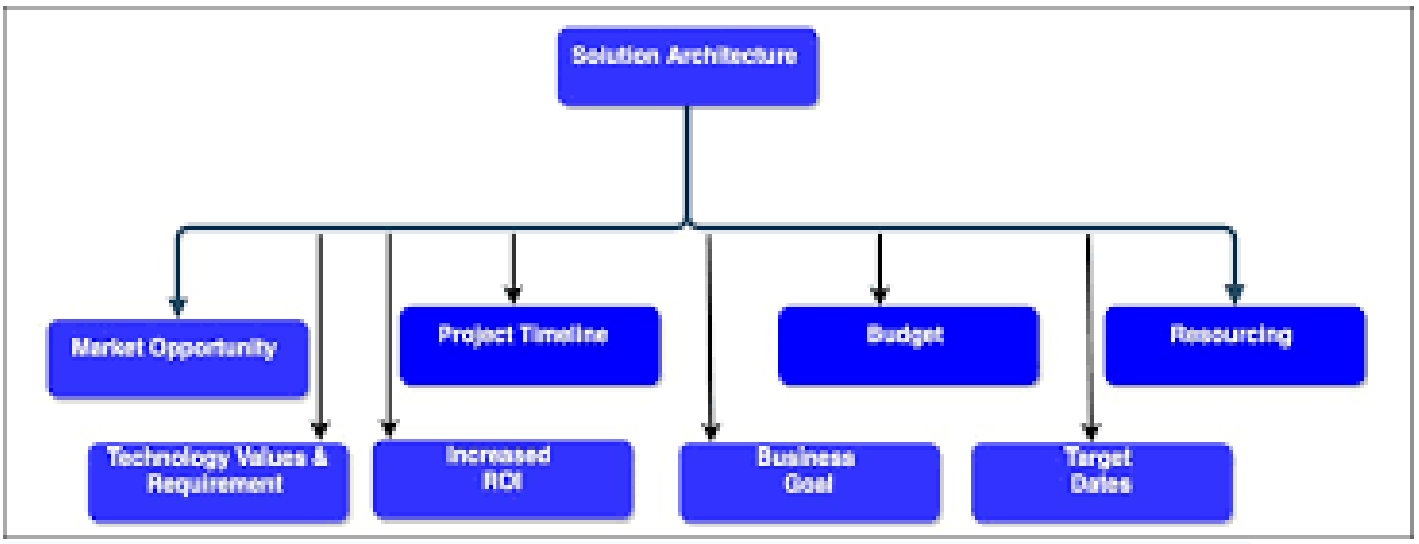
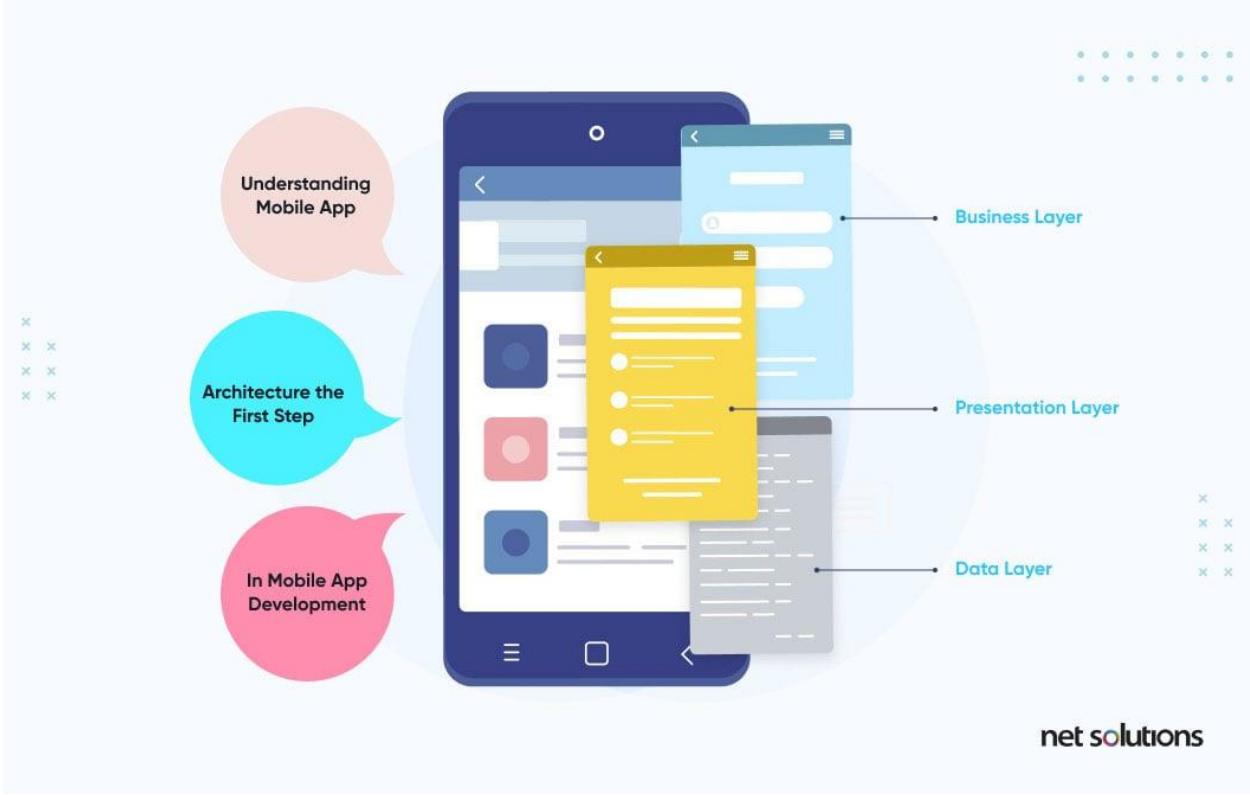
SOLUTION ARCHITECTURE FOR CHILD SAFETY SYSTEM

In present time increase in number of kidnapping cases to child. So we implement on “child safety wearable devices” using IOT. The Internet of Think (IOT) refers to the set of devices and system that stay interconnected with real-world sensor and to the internet. IOT using many type of project system likes as self-driver car, home automation system which are used to world. There are two types of aspects to the IOT the devices themselves and the serverside architecture that support them. The devices motivation for increasing safety for children. The child to the parent via Wi-Fi and Bluetooth, but some time unreliable source to transfer information, so send SMS text enable communication between child and parent. SMS services used when phone do not support internet connectivity in enable send text message or exact location in the parent mobile. The magnetic sensor using for child position. The sensor using the different types of application: position, presence, fluid level, speed, safety etc., and then using for temperature sensor. This work for physically analysis of body temperature, happy, pressure etc., this not only using identity child location, analysis for child health level and temperature, happy, blood pressure normal, energy level of child. The sensor every time analysis of child position and health level. The device has the characteristics of high reliable, short response time and high accuracy, and can meet the requirement to ensure children’s safety. The application was implemented in PHP enable mobile devices which support sensor. PHP: Hypertext Preprocessor. Server-side scripting language is used for web development. Figure 1: Components of the App [1]Smart security solution for women and children safety based on GPS using IOT, the threats against women and children using smart device based on IOT. The system intends to a wireless technique in the form of embedded devices. This issue of women safety they developed a prototype which is easy to use and efficient to provide help to that victim. So when the victim press kits button, collect user information to send notification to registered phone number with link of capture image. The case of children security the system proposes a speed monitoring and location tracking facilities using GPS, GPRS, and GSM. [2] Design and implementation of child safety monitoring system approach of security application of child. There is a severe rise in number of kidnapping and road accident circumstances. In existing system SMS based solution using GPS system to aid parent to track their children location in real time. , pressure etc., [3] A Mobile

Safety Monitoring System for Children, (MCSM) based on android mobiles to help guardian to acquire whether the children safe or not. MCSM implements the software hand function and the danger zone function for two typical safety scenarios, i.e., going outside with their guardians and without their guardians respectively. The software hand function can keep children in guardian's view by using Bluetooth near field communication, and the safety zone function can make guardians know children's location.

The application was implemented in PHP enable mobile devices which support Sensor. The application support two type of module these for child and parent. The application programmed for particular four or five zones, the child go to unknown location for send SMS or alarm on parent mobile with display for current location. This application used to four zones in a single parent application. Parents can monitor their child moment as each five second as they are receiving the information of their child movement from their devices, because each five second automatically update the location on the parent mobile, so easy to analysis the current location. The devices are using the sensor, so we using the update the each five second. Then last zone using for unknown location, it not using track, because using the refresh the location. In developing this application for parents, we required sensor enable smart phones which are used to track the child's location and for developing Arduino based applications. The child sends location coordinate by using sensor updates to the server and the updates saved in the database on the server. The reason for selecting Arduino operating system is that now days millions of users are using smart phones.


Solution Architecture
Market Opportunity
Project Timeline
Budget
Resourcing
Technology Values & Requirement
Increased ROI
Business Goal
Target Dates


Understanding Mobile App
Architecture the First Step
In Mobile App Development
Business Layer
Presentation Layer
Data Layer
net solutions