

IOT based Safety Gadget for Child Safety monitoring & notification

Description :-

As we all know, kids are the heartbeat of every parent, and when it comes to a child with special needs, parents have to be extra careful. They have to take extra care of their child.

Child tracker helps the parents in continuously monitoring the child's location.

Child can also initiate emergency notification to the parents in case of unsafe situation.

Social Impact:

Improved safety index of places,
Provides freedom for the children with special needs.

Social Impact:

Business Impact:

Selling the Product
directly to the Parents (Device +
monthly subscription for Real Tracking
& Notification service)

Selling the Product to
the childcare centers

Recommended Technology Stack:

BLE, Wi-Fi, GPS, SOC'S, IBM
Watson IoT, Google map service etc.

IoT based Smart crop Protection
System for Agriculture:

Description:

Crops in the farms
are many times devastated
by the wild as well as
domestic animals and low

Productivity of crops in one of the reasons for this it is not possible to stay 24 hours in the farm to guard the crops.

An intelligent crop protection system helps the farmers in the crop. this system shall also include remote monitoring and control of pump to avoid the farmer to visit the farm in night time

Solution Requirement:
animal.
↳ Safety of people &

↳ Low-cost solutions, Lower dependency on power

↳ Simple solution to suite the farmer community

Business model / Impact:

Community based solution

by FAO's

Solution through contract farming

Recommended Technology stack:

Computer vision APIs, GIS modules
ESP 8266 IBM Watson IoT Platform,

Smart farmer - IoT Enabled Smart Farming Application

Description:

Agriculture, a \$2.4 trillion industry, is a foundation of economies worldwide. Factors such as climate change, population growth and food security concerns have propelled the industry into

Seeking more innovative approaches
to protecting and improving
crop yield.

Farmers can monitor
the crops from the analytical
dashboard and take action
based on insights

Few solutions are:

Crop monitoring

Local weather monitoring

Soil Quality monitoring

Irrigation Control

Social Impact:

Doubles the farmer's income,

Higher Production, Food security