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Internet of Things (IoT)

1 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.

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

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

Social Impact :

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

Business model / Impact

Selling the product directly to the parents (per month subscription for Tracking & notification service).

selling the product to the child
care centers.

Recommended Technology stack

BLE,

Wi-fi,

GPS, etc's,

IBM Watson IOT,

Google map service.

2) Hazardous Area monitoring for industrial plant powered by IOT

description :

In industrial firms in which
flammable substances are used or in environ-
ments in which combustible gases are
produced due to natural or chemical
reactions. special safety precautions are
required when using electronic devices.

The solution shall help the
personal working in hazardous areas and
it shall include the following features.

Indoor localization / Geolocation

Lone worker protection

Physical access control

Exit routing

Social Impact

Avoids large scale hazards in industries and saves the environment & people.

Business model / Impact

Sell BLE beacons with indoor positioning service or build indoor positioning service as service.

3) 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 is one of the reasons for this.

It is not possible to stay 24 hours in the farm to guard the crops.

safety of people & animal

Low-cost solutions. lower dependency
on power

simple solution to suite the farmer
community

Social Impact:

Improve the productivity,
save lives of farmers.

Business model [Impact

community based solution by FAO's
solution through contract farming.

Recommended Technology stack

Computer vision API's, GIS/MS
modules, Esp8266, IBM Watson IoT,
platform, android application.

Applied Data science :

car Resale value prediction :

* In recent years, the second-hand car industry in our country has developing rapidly.

* However, a variety of negative factors that affect the healthy development of the industry are gradually emerging. Especially in the used car evaluation system.

* providing solution to this problem by identifying the right price would be beneficial for many.

Cloud Application development :

* personal Expense Trackers Application.

* Nutrition Assistant Application.

* Skill / Job Recommender

Application

* plasma Donor Application.

* Containment zone Alerting

Application.

* Inventory management system for Application.

* News Tracker Application.

* smart Fashion Recommender Application.

* customer case Registry.

use case 1 : Personal Expense Tracker Application

*) All the financial decisions and activity that you make are unable to keep a track of it.

*) A personal finance app will not only help you with budgeting and accounting but also give you helpful insights about financial management.