IBM – Nalaiyathiran Project

Cloud Application Development

1. Personal Expense Tracker Application
2. Nutrition Assistant Application
3. Skill /Job Recommender Application
4. Plasma Donor Application
5. Containment zone Alerting Application
6. Inventory management System for Retailers
7. New Tracker Application
8. Smart fashion Recommender Applications.
9. Customer care Registry

1) Personal Expense Track

All the finanical decisions and activities that you make are unable to keepa track of ail

Social Impact:

It will help the people to track their expenses and also alerts when you exceed the limit of your budget.

Business model /Impact:

we can provide the application in a Subscription based.

Existing Solution
    https://www.spendee.com)

Recommended Technology Stack:

    Python
    Flask,
    IBM
    DB2,
    Docker,
    Kubernates
    IBM Cloud
    etc.

    https://www.research.net/publication
/347972162 Expense manager Application

2)

        Due to the improvement in people's Standards of living, obesity rates are increasching at an alarming speed, and this reflective by eating foods,

Students will be benefited they will get know which jobs suits them based on their skill set

Business model / Impact

we can provide the application for job seekers in a subscription based

https://www.hivisl.com/login
https://www.linkedin.com

https://www.researchgate.net/publication
1325697852 Job Recommendation based on Job Seeker Skill's An Empirical Study

2.

During the covid 19 crisis, the requirement of plasma became high and the donor count being low.

It is very difficult find the respective blood group donors when anyone is in need.

we can save life who are in need to plasma.

we can collaborate with Government and we can utilise app to help the people who are need of plasma.

https://delhifightscorona.in/donateplasma/
https://www.blood.co.uk/plasma/

Python, flask
IBM DB2
Docker,
Kubernetes
IBM cloud

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i) The world Health Organization has declared the outbreak of the novel coronavirus covid-19 as pandemic across the world.

ii) This application is intended to provide information about containment zones in a particular region by alerting people, through continuous monitoring of an individual's location

I 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 incase 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 (Device + monthly Sub scription for Tracking & Notificating Service)

Selling the Product to the child care centers

Recommended Technology stack

BLE,
wi-fi,
Gps Soc'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 enviroments 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 personel 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.

Recommended Technology Stack

BLE Beacons, mobile app, cloud based indoor Mapping service 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 hour in the farm to guard the crops.

Safety of people & animal

Low cost solutions, lower dependence on Power

Simple Solution to suite the farm Community

Social Impact

Improve the productivity, Save lives of farmers

Business model /Impact

Community based Solution by FAO'S Sloution through Contract farming

Recommended Technology Stack

Computer Vision API'S, GSM modules, ESP32bb, IBM watson IoT Platform, Android Application.

4 - Real-time River water Quality monitoring and Control System

River Pollution can impact all living beings, Better monitoring & Control measure can impact vegetation, health

Business Impact

Sell the Sensors & monitoring System as a De Service.

Recommended Technology Stack
water Quality Sensors, ESP8 266, GSM module IBM watson IoT, IBM Cloud