Date: Senior: IOT - Internet of Things

Professional Readiness for innoval, Employability and Entre Prenewship

Team 2 solve and code 2 Build

Internet at Things (IOT) use cases!

use case -1:Jot based safety Godget for child
Safety Monitoring & Notification.

Description:

heart boat of every Parent, and when it come, to a child with special moveds, Parents have to be patra careful. They be have to take extra careful. They be have to take

continuously monitoring the child's location. They can simply leave their children in school or Paris and create a geo fence around the location.

de Notifications will be sent according to the child's location to their parents or care takers. The entire location data will be stored in the data bouse.

notification to the Parents incase of unsate situation.

Social Impart:

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

Business model | Impact;

Parent (Device + monthly subscription for Tracking & Notification Service)

conters.

Recommended Technology Stack:

BLE, Wi-Fi, 101P3 80c's, IBM Watson 207, Grougle Map Service etc.,

use case 2:- Horzardons Avea Monitoring for Industrial Plant Powered By IOT

Description! of In industrial forms in which Hammable of In industrial forms in which Hammable Substances are used or in environments in which combustible gases are Produced due to which combustible gases are Produced due to

sately precautions are required when using electronic devices.

can occur in chemical factories, Paint deutories, when solvents are used, in the solvents are used, in the sonici vicinity of fuel storage tanks, in Power Plants, in the oil and gas Industry, as well as in waste water treatment and Plants.

working in hazardous areas and it Shall include the following features.

4) Indoor localization / vieo location 4) Long work Profestion Control

4) Fait souting

Social Impart:

and soves the envisorment & People
Business model/Impart

Positioning service or build indoor Positioning service as service.

Recommended Technology Stack;

Indoor mapping, service.

hso case - 3:

JOT-boused small Crop Protection System for Agriculture.

Destription ;

by the wild as well as domestic animals and low Productivity of crop is one of the reasons for this. It is not Possible to stay 24 hours in the Jean to gravel the crops.

helps the farmers in Protecting the crop from the animals and birds which destroy the crop. This system shall also include remote monitoring and control of Pump to avoid the farmer to visit the farm in nightfime.

& Solution Requirements!

4) Safety of People fanimal
4) Low-cost solutions, lower de Pendency

on Power. Ly simple solution to suite the farmer

Community.

Social Impacti Improve the Productivity, Some lives of farmers. Business Model / Impartt Solution through contract farming. Recommended Technology Starle: Computer vision API's, Grsm modules, 18 18/1/n use case - 4: Roal time River water audity monitoring and control System. \* Farmers Rut fertilizers and Pesticides on their crops so that they grow better. & But those fostilizers and Pesticides 6 be washed through the soil by rain, to end up Social Impart; River Pollution can impart all living beings. monitoring & control mousures can impart Better monitoring regetation health.