B1-1m3E Applications in different sectors:

* Health & Life style

- · wearable Electronics
- · Health & Fithels monitoring

* smart cities

- · Smart parking
- · smalt koads
- · Emergency response

* Industries

- · Machine Diagnosis
- · Indoor Air ouality monitoring

* Logistics

- · Shipment Monitoring
- · Remote vericle Diagnostics
- · Fleet Tracking

* Home Automation

- · smart lighting oil
- · smart Appliance
- · small security systems

* Ehorgy

- · smart oxids
- paneulable Fromay syctoms

Environment

- · weather maritoring
- · Forest fire Detection
- · Air pollution

Agriculture him is a fine - the -

- · smart irrigation
- · otteen House

Building Blocks of 10T

Thing cloud interface interface wireless retwork sata sata sata sata orate way and Analytics

Elle Fire Proposition

lot pychitecture

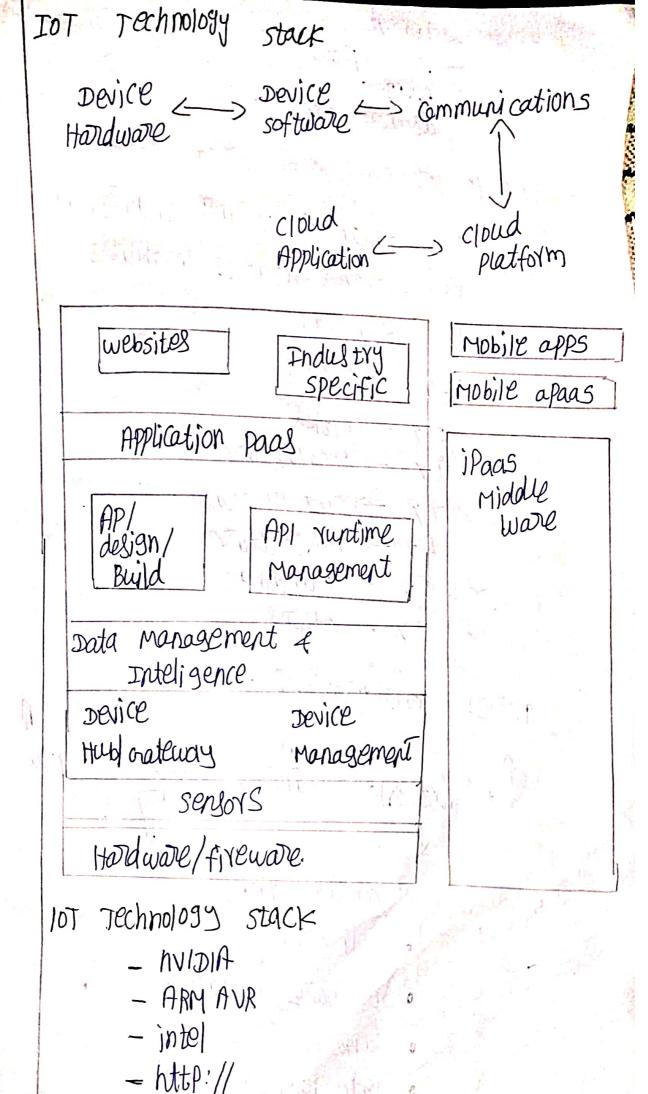
Security

Applications

cloud platform

communication

Devices



- IBM watson

Learn - Tensor Flow - NORDIC dsongo etc TOP 10 10T Application areas 2020 = 14x -> Energy

727

Phante

- 22% > Manufacturing (Industrial 15% > Transportation / Mobility
- 12 y. -> Retail
 - 12 y. -> cities
 - 9 y- -> Health care
 - 77. > Supply chajn
 - 47. Agriculture
 - 3) -> Buildings
 - 312 2 othors

Design considerations:

2 18 to 50 0 10 1 cost Network (features) ciseT!

into Gace

"I HORDY HOT

(Street 9W

Other sesign considerations:

- · Applicability
- · Software updates
- · Support
- Data Management

- · Data collection
- Analytics
- market Trends

proof of concept (poc)

(Evaluate) Define Develop Execute)

How to build a successful poc?

D Brains torming

- project analysis, improvements, HW/SW requirements, communications.

- 2 Development & config!. - Build soud base on lot platform by customizing and configuring the Device
- 3 Launh your prototype - Demonstration / Implementation Parel creation --- all with own support team.
- D. Result evaluation cheretate the reports and data which allow us to make a comparative analysis of results.

A ctuator

Electrical impules sent from the control system & convolding them into mechanical motion, it actually introduces changes to its physical syrroundings by means of a varietly of simple actions, including but not limited to opening and closing values, changing other devices position or angle

Actuators

- linear actuators

- Motors - Relays

Solonoids

sensor to Actuator flow

sensor

control Actuator center assion suns

Jemperature sends this control sprinking sensor detects detect signal to center reat

the control sends conter

twins onf puts

command to sprinklet

out flame

PRIMIMO - MERVIEW:

LANDED WOLDER LAND

o Historia is all district

Types of Arduino: - Entry level Boolds - wearable Boards . - Enhanced Boards - 10T Board Features Ardvino: · operating voltages 5V and 3.3V · Analog input pins 6 2KB(AT mega · SRAM · Clock speed 16MHZ · Microcontrollet AT mega 328 software: - can harmin no no no todal · Launch the Avduino IDE e select your serial port select yours board open the example · appead the program A shoredigts traces (11000ples

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