Health & Lifestyle:
- wearable Electronics
- Health & fitness monitoring

Smart cities:
 Smart parking
 Smart Roads
 Emergency Response

Industries:
 Machine Diagnosis
 Indoor Air Quality Monitoring

Logistics:
- shipment Monitoring
- Remote vehicle Diagnostics
- fleet tracking.

Home automation:-
- smart Lighting
- Smart Appliance
- Smart security systems.

Energy:-
- smart grids
- Renewable Energy systems
- prognostics.

Environment:
- weather Monitoring
- forest fire Detection
- Air Pollution.

Data analytics:

The data analytics process has some components that can help a variety of initiatives, will provide a clear picture of where are you where you have been and where you should go.

User Interface:

The user Interface (UI) is the point at which human users interact with a computer or applications.

Network connectivity:

- Ethernet
- Wifi
- RFID
- NFC
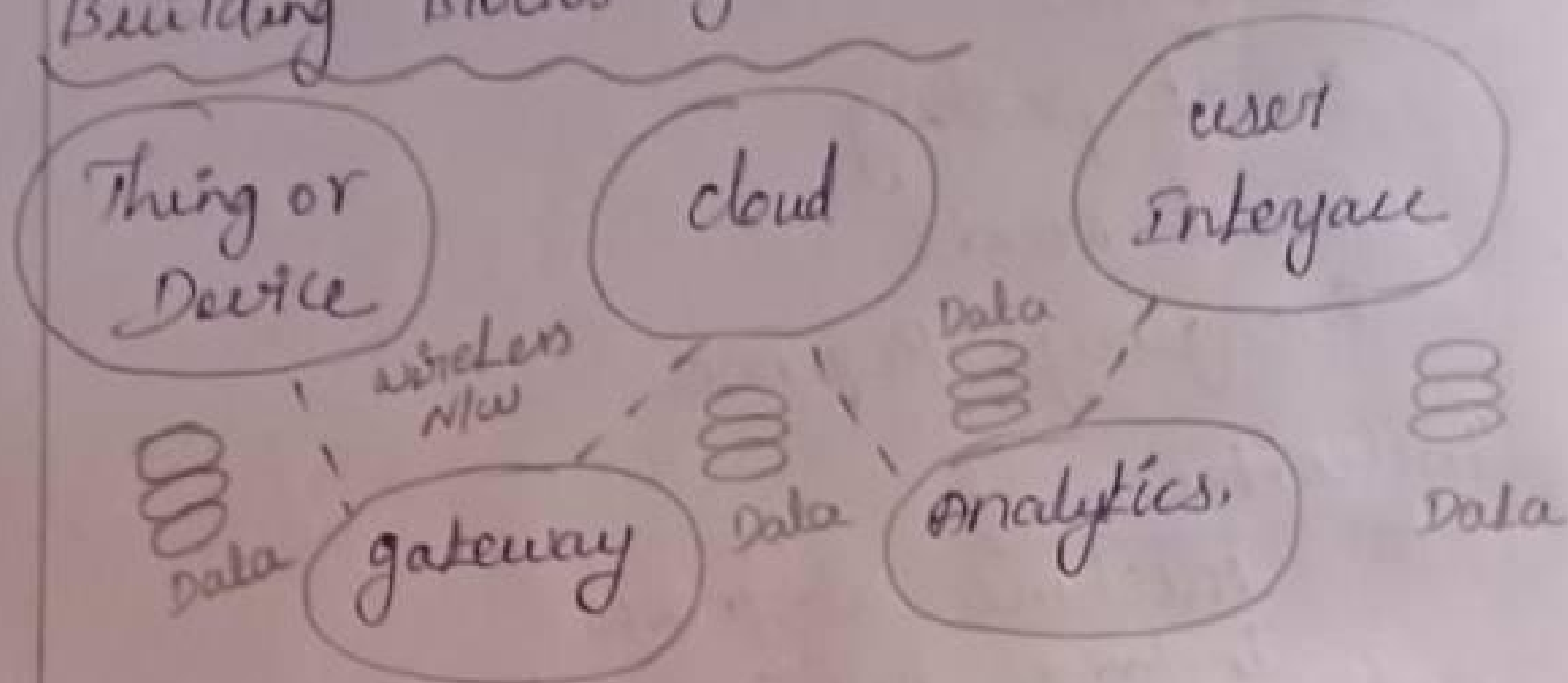- Bluetooth
- ZigBee
- LoRa

IoT security:

IoT security is the technology segment focused on security lis devices and network in the IoT.

In other words, IoT security refers to the techniques of pro

to the devices.

agriculture.
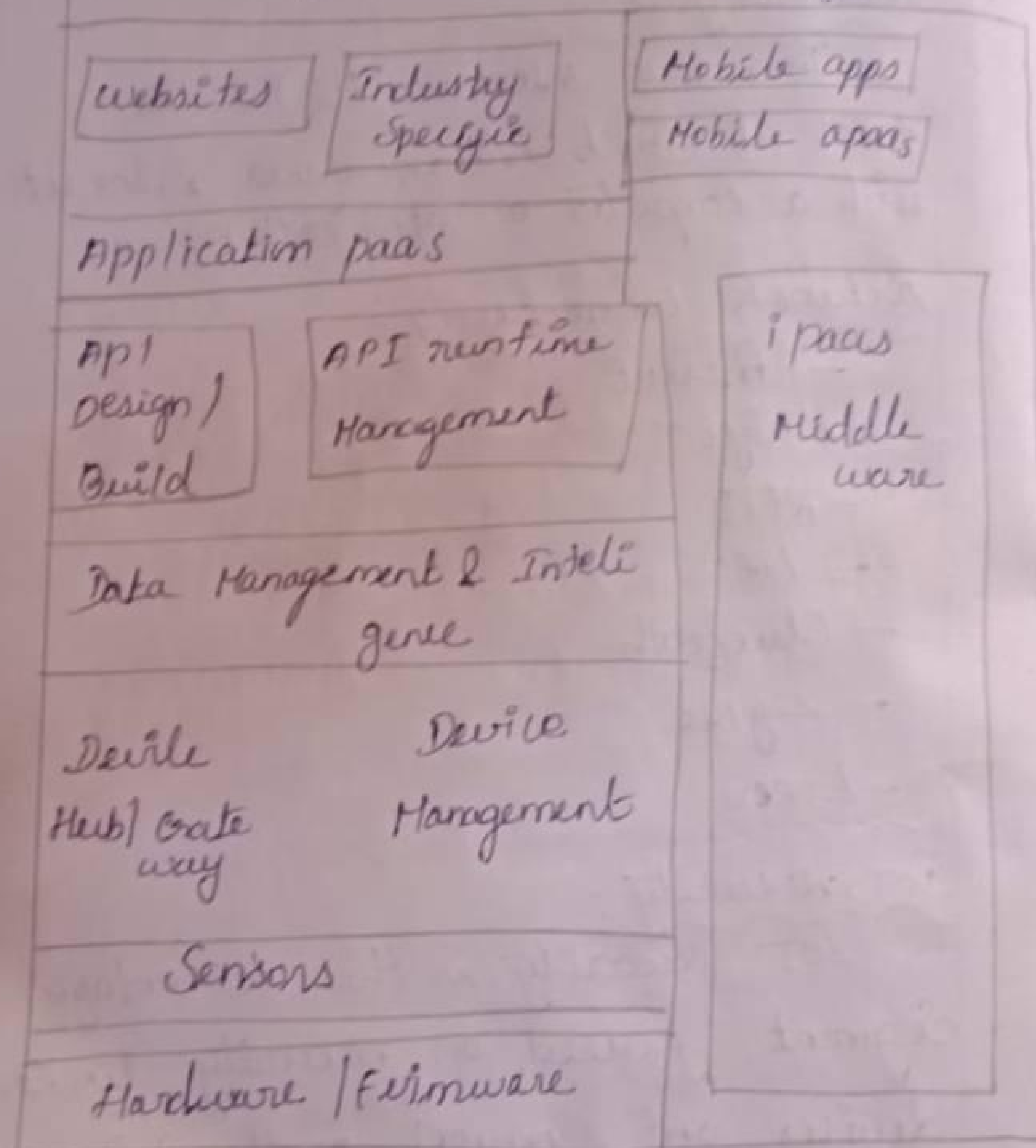- Smart Irrigation
- Green house

Building Blocks of IoT:

Thing or Device — wireless N/W — gateway — cloud — Data — analytics — Data — user Interface — Data

IoT Architecture:

Security
⇅
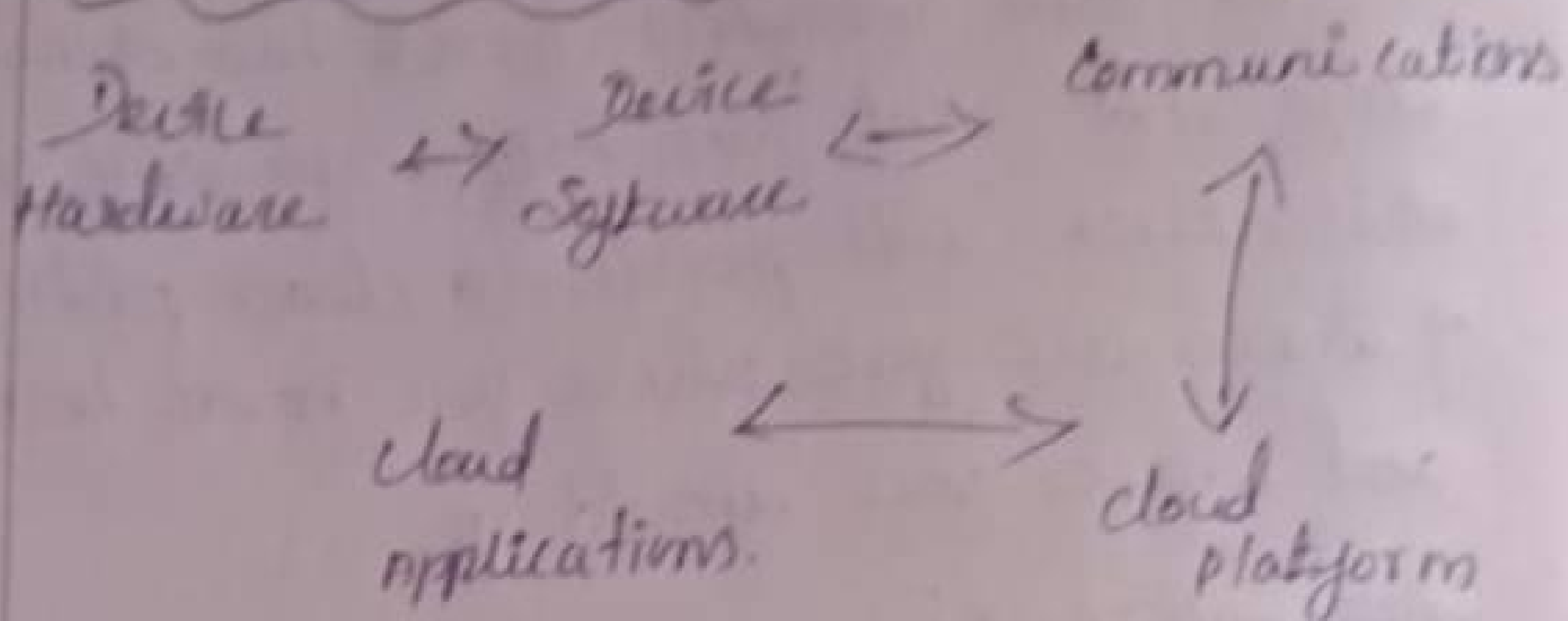| Applications |
⇅
| Cloud platform |
⇅
| Communication |
⇅
| Devices. |

Things: (End Devices / Nodes):-

"Things" - devices and systems that are embedded with sensors, software, and other technologies in order to communicate and exchange data with other things etc...

IoT technology stack:

Device Hardware $\longleftrightarrow$ Device Software $\longleftrightarrow$ Communications

Cloud Applications $\longleftrightarrow$ Cloud Platform

websites	Industry Specific	Mobile apps
		Mobile apaas

Application paas

API Design / Build	API runtime Management	i paas
		Middle ware

Data Management & Intelligence

Device Hub/ Gate way	Device Management	

Sensors

Hardware / Firmware

Data analytics:-

The data analytics process has some components that can help a variety of initiatives. will provide a clear picture of where are you, where you have been and where you should go.

User Interface:

The user Interface (UI) is the point at which human users interact with a computer or applications.

Network Connectivity:

- Ethernet
- wifi
- RFID
- Nfc
- Bluetooth
- ZigBee
- Lora

IoT security:

IoT security is the technology segment focused on security linked devices and network in the IoT.

In other words, IoT security refers to the techniques of protection used to the devices.