

IOT DEVICE SETUP:

- The internet of things or iot is a network of interrelated that connect and exchange data with other iot device and cloud
- These are typically embedded with technology such as sensor and software and can include mechanical and digital machine and consumer object

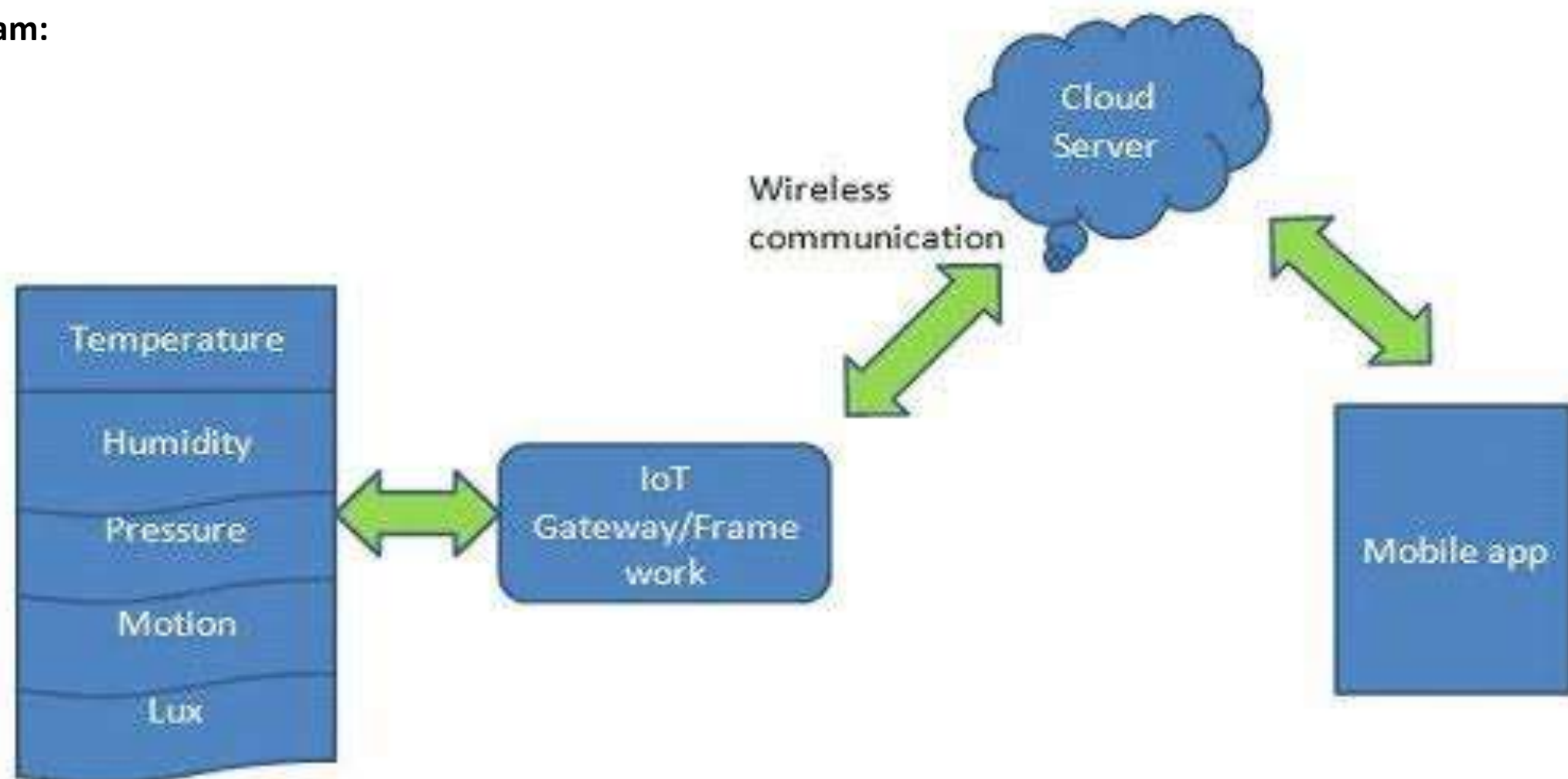
PLATFORM DEVELOPMENT:

- IoT platform manages the connectivity of the devices and allows developers to build new mobile software applications.
- It facilitates the collection of data from devices and enables business transformation.
- It connects different components, ensuring an uninterrupted flow of communication between the devices.

Code implementation:

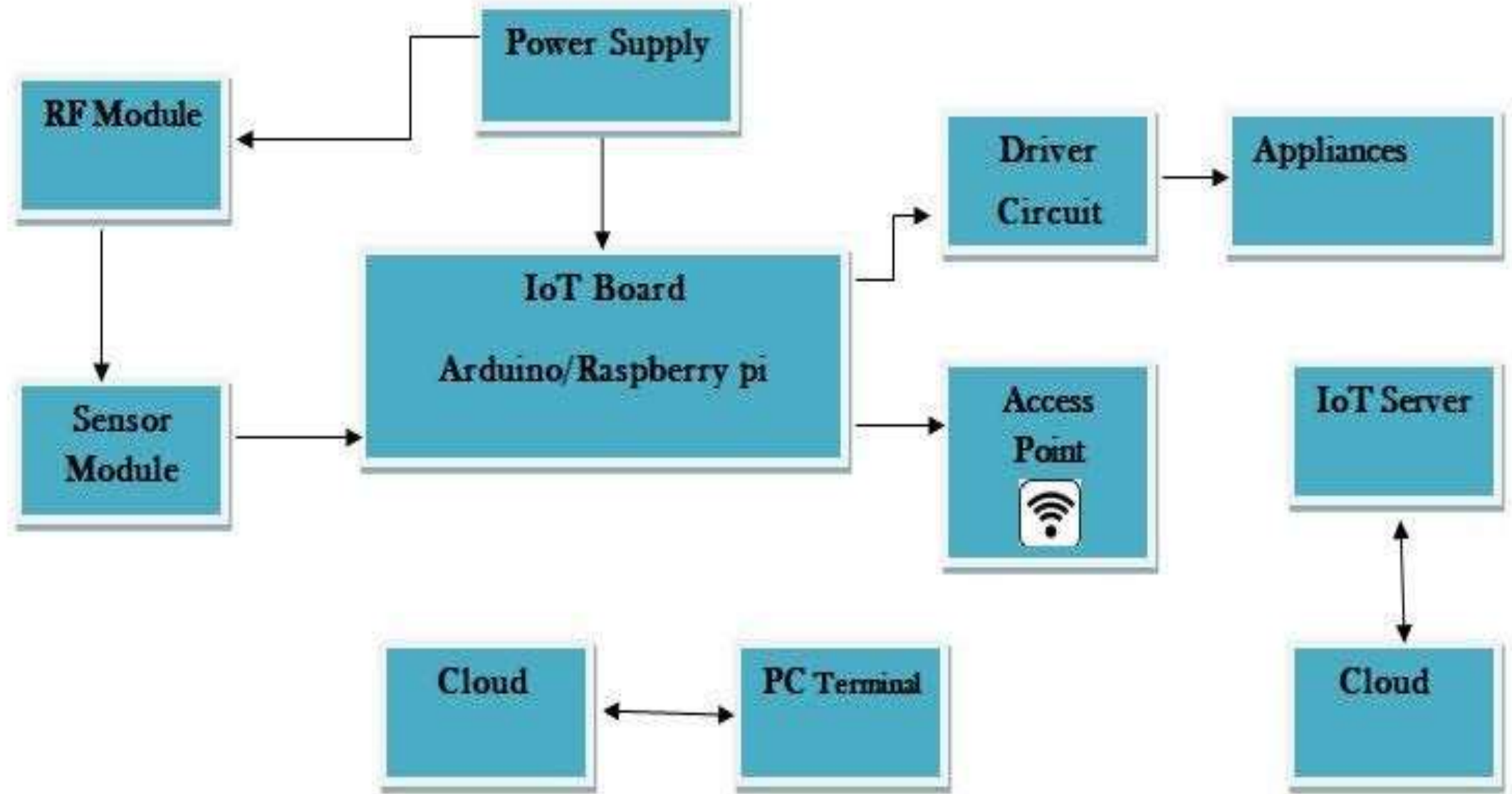
- **In IT, the word implementation usually refers to installing a new hardware or software system or application.**
- **It can also mean the inclusion of a specific technical specification, software component or software standard.**
- **For example, software development tools contain implementations of a programming language.**

IOT diagram:



IoT Architecture

- Schematic of IOT:



IoT Hub

Microsoft

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IoT Hub

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View, create, delete, and update devices in your IoT Hub.



Field:

select or enter a property name

Operator

=

Value

specify constraint value

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DEVICE ID	STATUS	LAST STATUS ..	AUTHEN...	CLOU...
HVACtemp1	Enabled	Sep 13, 2020	Sas	0
fe2393bb-ee15-ea11-a815-000d3a3b3f7c	Enabled	—	Sas	0

DATA SHARING PLATFORM:

- **Open data platforms allow different entities to register their datasets for public consumption; you only have to prepare and submit the data.**
- **The platform provides the infrastructure for storage and access. Anyone can access your data.**