**IOT Architecture:**

Various Researchers proposes various architecture for IoT So, there is no specific universally designed IoT architecture.

Initially Basic architecture of IoT was designed with 3 Layers

**Perception Layer**

It is a physical layer which connects with the external environment and collects data through sensors. These information are used by actuators in the layer and help them to work accordingly to complete a specific task or Operation of the corresponding objects.

**Network Layer**

It is an intermediate layer between perception layer and application layer and plays as an interface between perception layer and application layer by transferring and broadcasting data. This layer also plays a major role in connecting various smart devices and initializing the processes.

**Application Layer**

It is the layer where the major service of the application is implemented This layer can also be called as the implementation of IoT.

Though these layers are performing the given tasks and gives major working of IoT it is not sufficient for the modern technology as the concepts of IoT are evolving.

Therefore, new Architectures are designed with more layers to meet all the new technologies and development of IoT.

The new architecture has 5 layers

* Perception Layer
* Transport Layer
* Processing Layer
* Application Layer
* Business Layer

**Perception Layer**

This layer works same as the 3 layered architecture, Collects data form sensors and completes a specific operation.

**Transport Layer**

This layer transfers the sensor data from the perception layer to the processing layer and vice versa. This is through networks such as wireless, 3G, 4G, LTE, LAN, Bluetooth, RFID, and NFC etc.

**Processing Layer**

It is the middle and does the major role which storing, analysing and also processing the data which it gets from the transport layer. The data which it gets from the transport layer are huge so it use cloud various Database technologies to store data. As the data is huge it must also analyse to fetch the data.

**Application Layer**

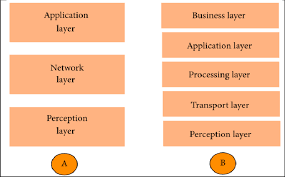
It works same as the basic architecture which is implementation of IoT

It requires hardware devices to complete the implementation.

**Business Layer:**

It manages the working of whole system architecture and many other features. It also includes privacy [1].

IoT Architecture:



[Fig 1](https://www.hindawi.com/journals/jece/2017/9324035/fig1/)