Research Work.

Aim: Integrating and Configuration of IoT model and categories them in Wearable, Medical and Commercial Model.

Abstract:

A network of devices that can communicate and share data with other devices and the cloud is known as the Internet of Things (IoT). IoT devices can be people, animals, consumer goods, digital and mechanical machinery, or even living things. They may exchange data with one another automatically as they frequently have software and sensors built in. IoT devices have unique identities (UIDs) and they are able to communicate with one other and with computers via a network without the need for human-to-human or human-to-computer contact.

Here we are talking about three categorie of the IoT Model which namely are 1). Wearable, 2).Medical , 3). Commercial.

1) Wearable IoT Model:

   Wearable technology is a technology that can be used to worn it include the watches, glasses, ring and many more things. This device are been modified with various sensor, software and electronics to make them IoT devices so they can share or track the Object activities and exchange there data through Internet with manufacturer/ Operator.

   Although there are many potential applications for wearable technology, such as communication and entertainment as well as bettering fitness and health, concerns have been raised regarding security and privacy due to the devices' capacity to gather personal data.

   There are many applications for wearable technology, and this list is expanding as the industry and technology advance. In the realm of consumer electronics, wearables are popular, most frequently manifested as smartwatches, smart rings, and implants. Wearable technology is finding its way into sophisticated fabrics (e-textiles), navigation systems, and healthcare beyond its commercial applications. Like other technologies, wearables are tested for security and dependability before being considered for use in important applications.

2) Medical IoT Model:

   The Internet of Medical Things (IoMT) is a collection of medical apps and equipment that may use networking technologies to establish connections with health care IT systems. By facilitating the exchange of medical data across a secure network and establishing a connection between patients and their

physicians, it can lessen the needless hospital stays and the strain on the healthcare systems.

3) Commercial IoT Model:

Commercial IoT devices may be configured to keep an eye on the state of the machinery and shield employees from harm in the event that a machine fails to maintain up to date. IoT solutions' data may be utilized to monitor the working environment and lessen any possible negative health impacts on employees.
IoT technology can adjust ventilation systems to improve air quality, light quality, heat and cold limits, and more.
Commercial IoT refers to devices and systems used in manufacturing or industrial purposes. Examples include supply chain asset tracking(Physical Asset tracking) and fleet tracking(Parcel services.).

We are going to design a server where we get all the details of Wearable IoT devices, Medical IoT devices, and Commercial IoT Devices. All IoT devices are connected to single network and there data get stored in Different Server from there the Operator can exchange the Data for the Further development.