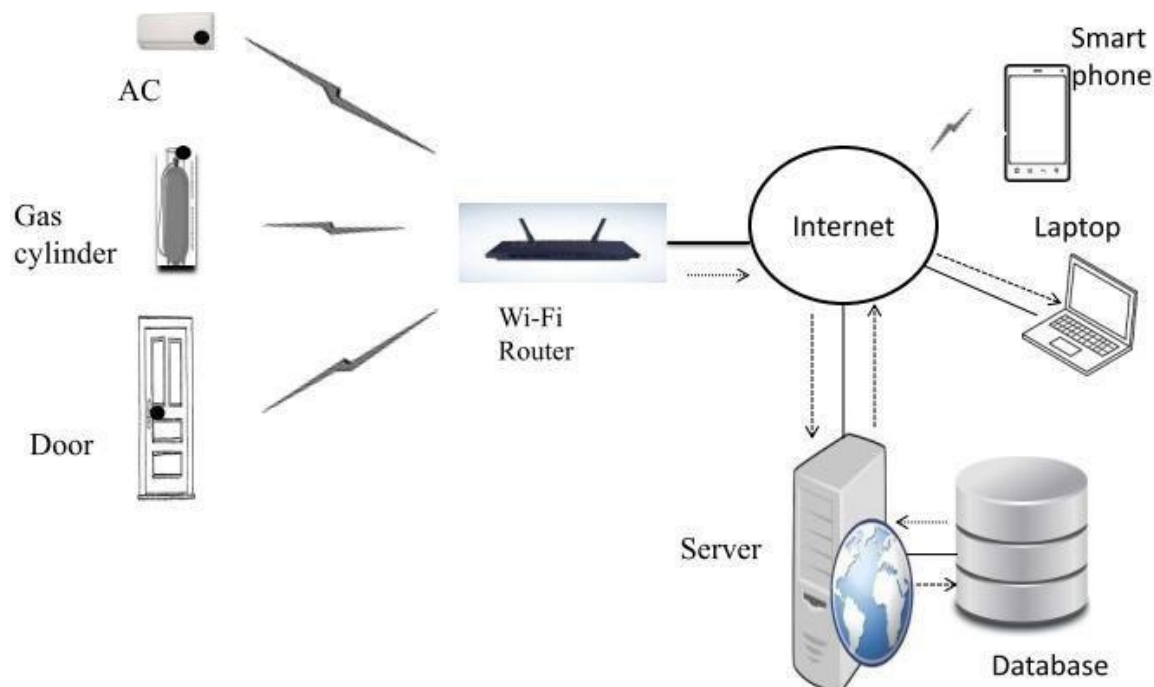# WORLD IOT DAY - 2022

Team Name : TERRIFIC TIGERS

Team Members : VIVEKAANAND P, SANTHOSH T

ABSTRACT :

IoT is an emerging technology wherein billions of sensors from multiple vendors are embedded with the daily objects are interconnected together to sense the data continuously depending on the context and sends these data over the internet to the central database. Data analytics in tern provides the required contextual result. This leads to comfortable life with minimum or without human intervention. This paper addresses working of IoT, general IoT architecture by considering two scenarios where we have also differentiated number of layers required for the different applications. The most important factor of IoT is to understand the essential components required to build IoT and the integration of different communication technologies. For such a scenario, our study paper mainly concentrates on the essential elements to build IoT, different IoT communication technologies and different application domains, which helps the students, researchers and those who can further contribute.
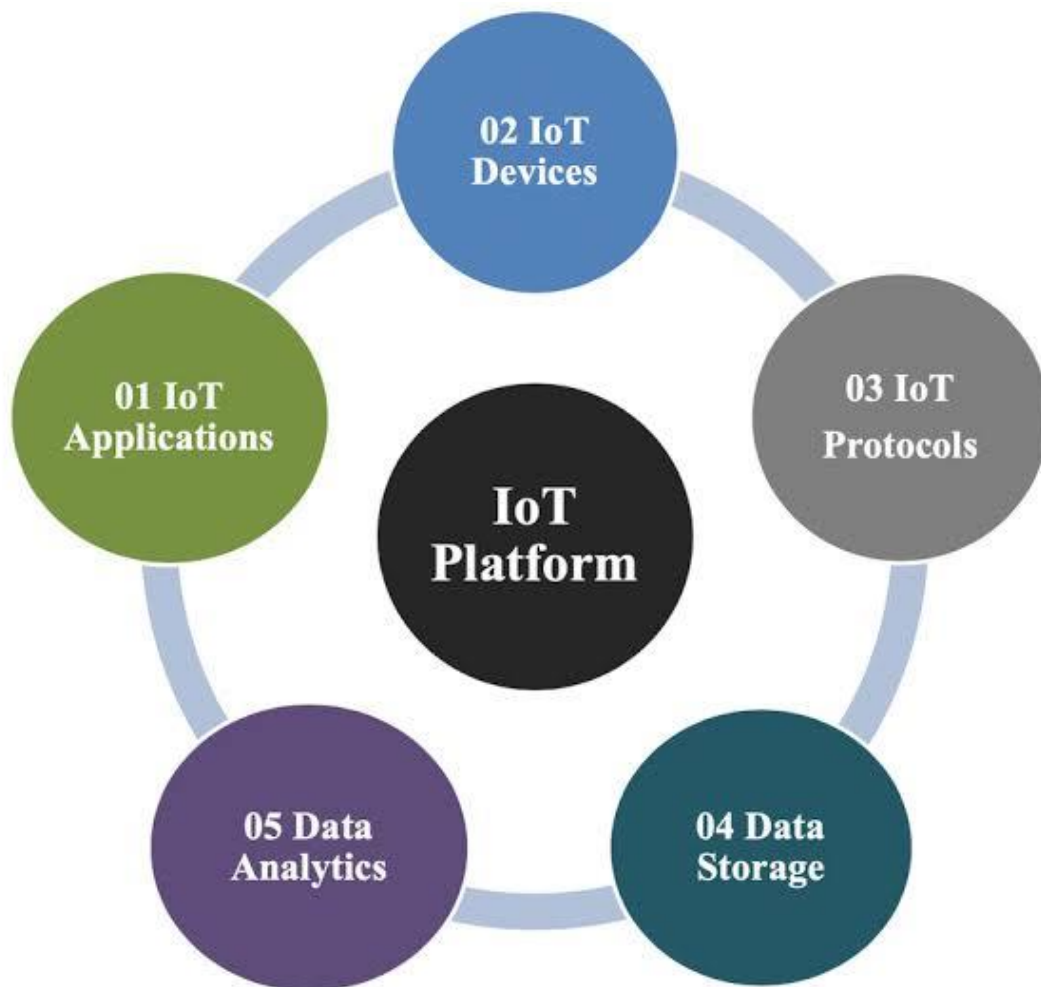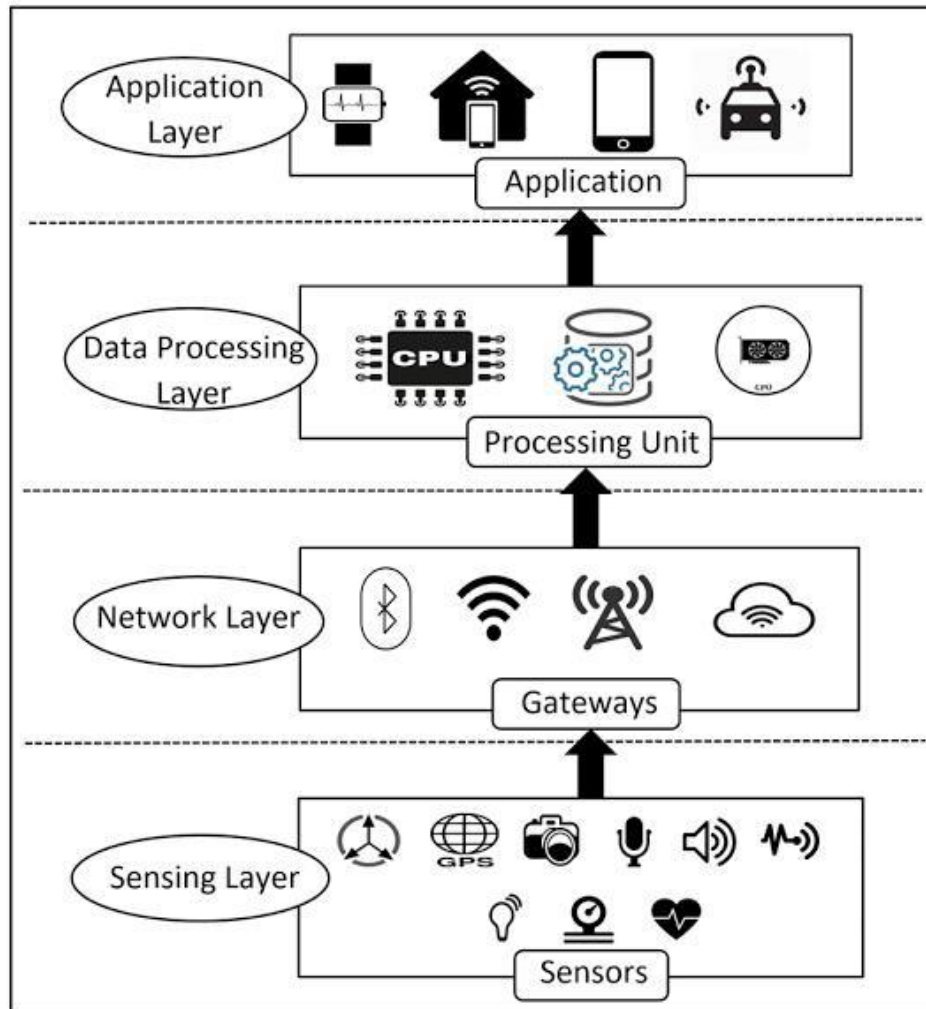
BLOCK DIAGRAM :

Keywords: Blutooth , Cellular Network , RFID, Sensors , Wi-Fi , ZigBee

CONCLUSION :

With the reduced sensors cost, storage, improved communication technologies and efficient data analytical tools IoT has gained significant attention over the years. In this paper we have discussed various communication technologies that are used for communication between the heterogeneous smart devices. We also discussed different layered architecture which differs based on the application domain. We also generalized the essential components to build IoT and also briefed out different application domains of IoT with a related scenario. Byall accounts, IoT has a vastopportunity for research, cost savings, new revenue generation and adding comfort to humans.

REFERENCES :

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THANK YOU !

Contact : vivekaanand.cb20@bitsathy.ac.in

TERRIFIC TIGERS

VIVEKAANAND P, SANTHOSH T