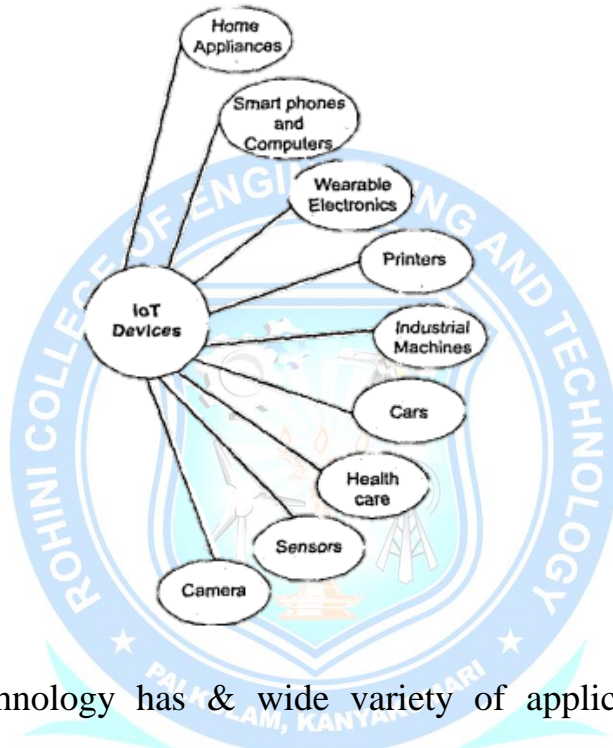


ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY  
**Applications of IoT Devices**

**Applications of IoT Devices**



- IoT technology has a wide variety of applications and is growing so fast, depending upon the different application areas of IoTs, it has been designed/developed.
- The applications of IoT span a wide range of domains which includes homes, cities, environment, energy systems, retail, logistics, industry, agriculture and health as outlined.

**(i) Homes**

IoT for homes has several applications such as smart lighting that adapt the lighting to suit the ambient conditions, smart appliances that can be remotely monitored and controlled, intrusion detection systems, smart smoke detectors. etc.

**(ii) Cities**

For cities, IoT has applications such as smart parking systems that provide the status updates on available slots, smart lighting that helps in saving energy, smart roads that provide information on driving conditions and structural health monitoring systems.

**(iii) Environment**

For environment, IoT has applications such as weather monitoring, air and noise pollution, forest fire detection and river flood detection systems.

**(iv) Energy Systems**

For energy systems, IoT has applications such as smart grids, grid integration of renewable energy sources and prognostic health management systems.

**(v) Retail Systems**

For retail domain, IoT has applications such as inventory management, smart payments and smart vending machines.

**(vi) Agriculture**

For agriculture domain, IoT has applications such as smart irrigation systems that help in saving water which enhances productivity and green house control systems.

**(vii) Industrial**

Industrial applications of IoT include machine diagnosis and prognosis systems that helps in predicting faults and determining the cause of faults and indoor air quality systems.

**(viii) Health and Life Style**

For health and lifestyle, IoT has applications such as health and fitness monitoring systems and wearable electronics.

