

RFID in Healthcare and IoT

A peek into the future

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Introduction(1of3)

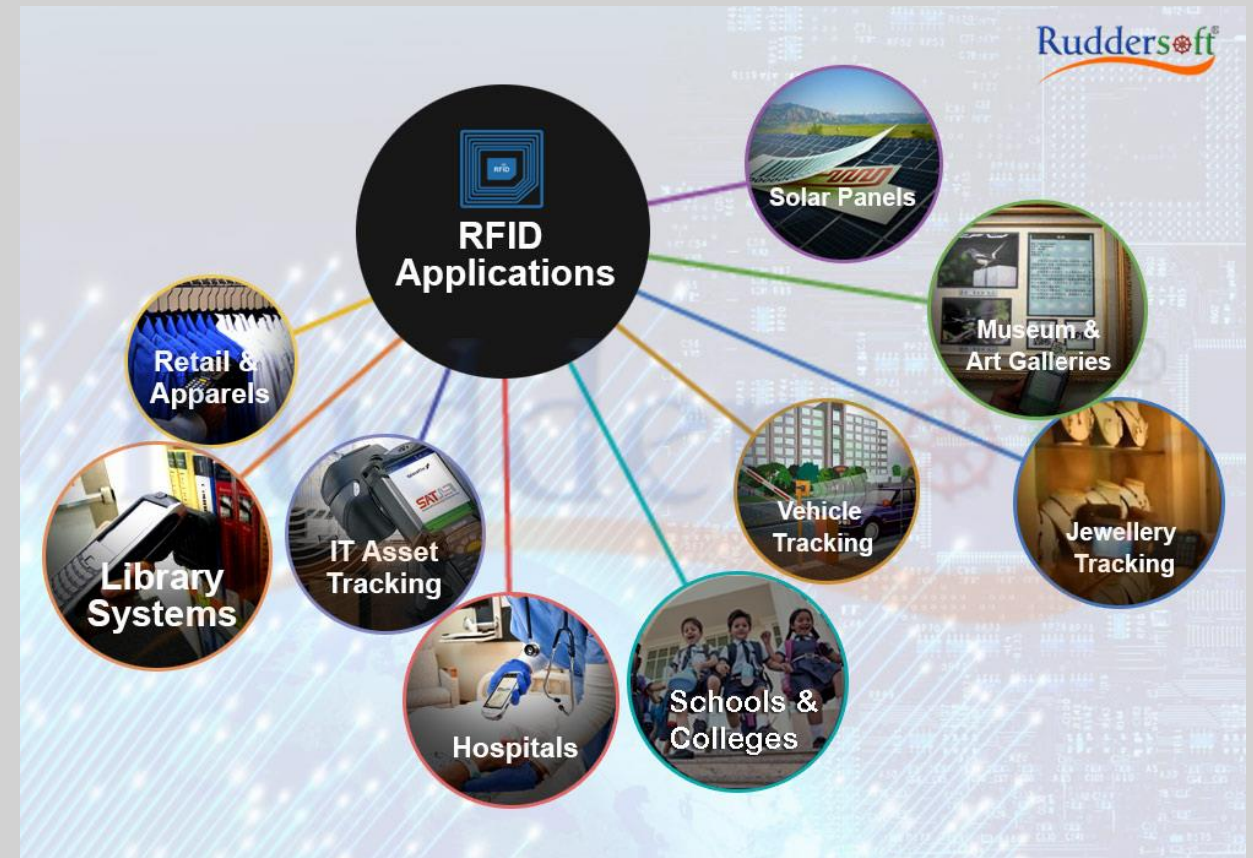
- A group of small devices form a mesh network, in IoT applications.
- IoT or Internet of things can help automate tasks.
- IoTs enables environmental and physical indices monitoring in remote areas.
- RFIDs can help in logistical and security automation and in better response in and during emergencies.



Introduction(2of3)

RFID – present scenario

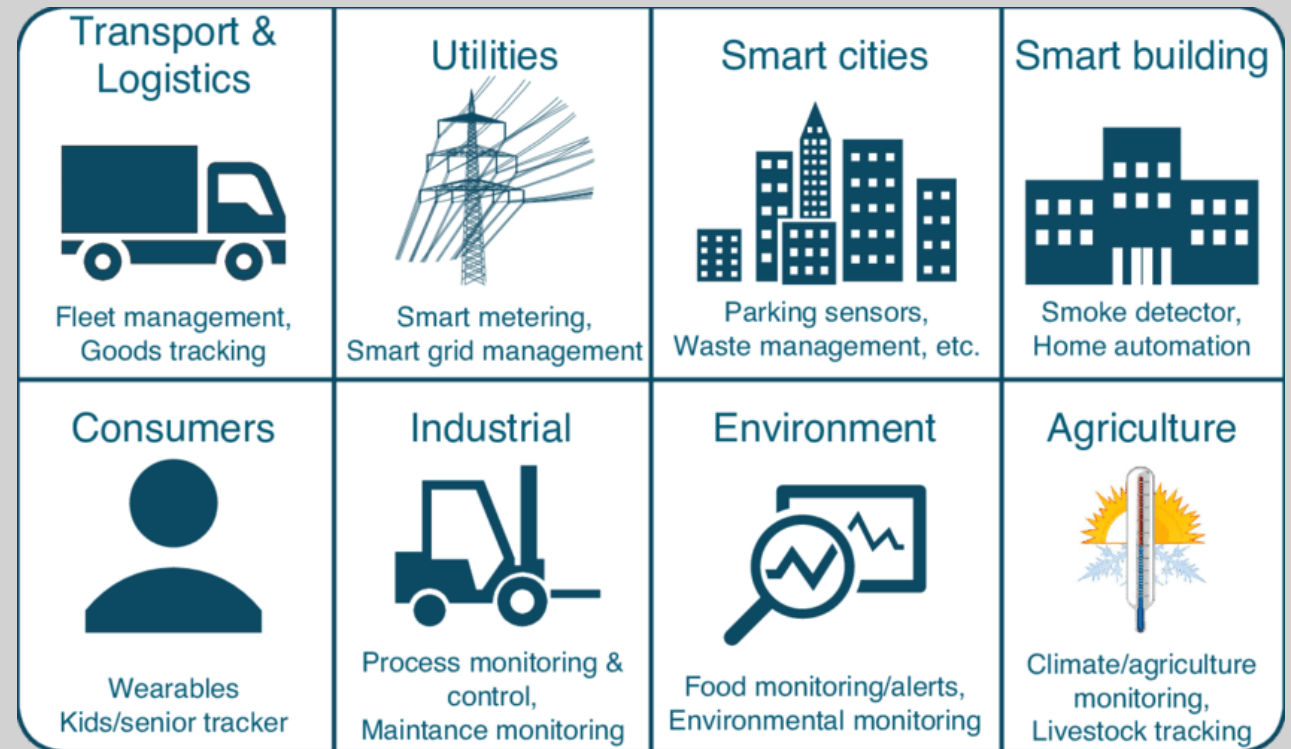
- Manufacturing
- Logistics
- Health care



Introduction(3of3)

IoT – present scenario

- Automation
- Logistics
- Quality Indices/Environment



Future Prospects

- IoT or Internet of things can help automate tasks.
- IoT enables healthcare providers to extend their reach outside of the traditional clinical setting.
- Home monitoring systems allow patients and doctors to keep track of an individual's health.
- Non-contact administration of health care to some extent is possible with IoT.



Future Prospects - IoT in Healthcare(1of2)

Mainstream:

- IoT enables healthcare providers to extend their reach outside of the traditional clinical setting.
- Home monitoring systems allow patients and doctors to keep track of an individual's health.
- Automation of non-contact menial medical jobs and procedures can be completed by using IoT. (prevents workforce exhaustion)



Future Prospects - IoT in Healthcare(2of2)

Advanced:

- VR headsets to guide doctors in real time during operations. Track their vitals for max performance.
- Critical patients' monitoring in areas where privacy is a concern.
- On a larger scale, a smart mesh of field devices can track and assist ambulances to take the best real-time routes to the hospital.



Future Prospects - RFID in Health care

- Asset tracking and real-time database management systems.
- Doctor/ Medical workforce tracking in landscape hospitals, across campus(es), across cities, across the state.
- Security clearance and passcode verification in VIP/restricted areas.



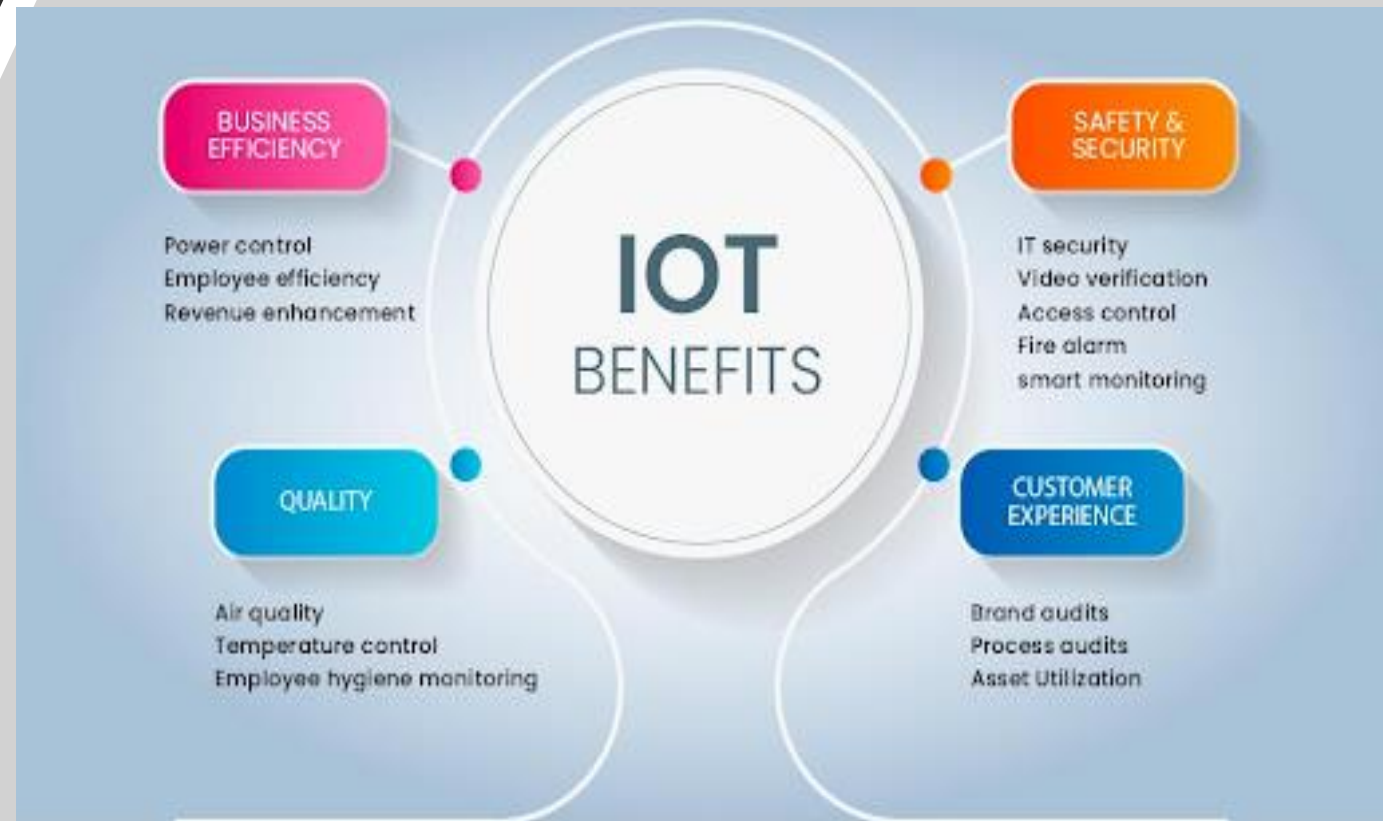
Further benefits and green economy

- Utilization of IoT to a great extent reduces carbon footprint and resources wastage.
- The IoT can potentially be used in a way that positively impacts the environment
- It leads to more sustainable business practices.



Conclusion

- Application of IoT has positive implications for both industry and businesses including:
- Better asset management and energy efficiency.
- IoT maintenance require service in perpetuity thereby providing source of direct engagement.
- In the industry, it saves time and money through automation.
- Firms that keep themselves updated with latest technologies like IoT have better chances of leading the competition.



Thank you!

