



Application of IoT in Agriculture

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Introduction

IoT stands for Internet of Things. IoT refers to network of interconnected devices that collect, transmit and analyses the data. In modern era, IoT plays a significant role in Smart farming. It helps in monitoring the farm management practices.

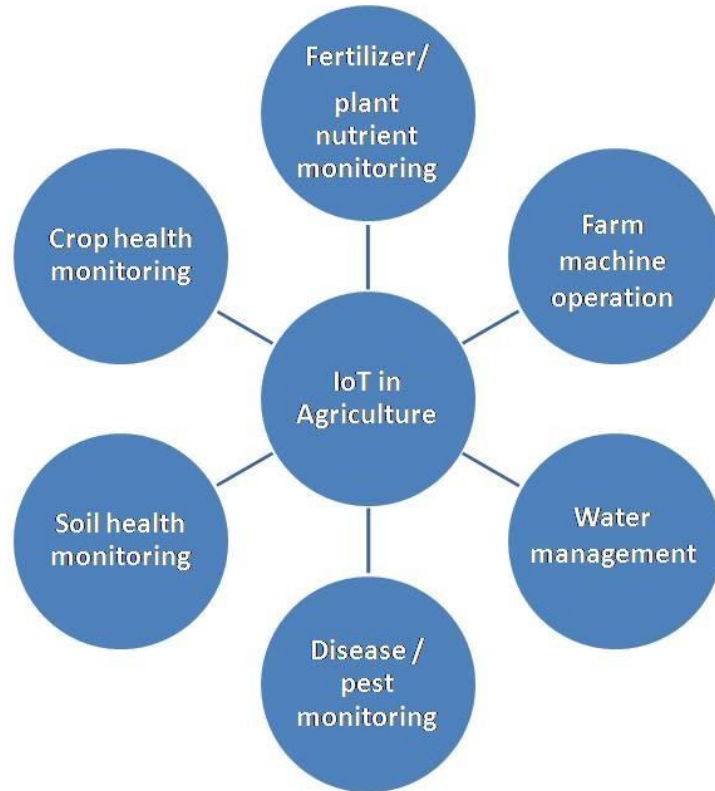


Uses of IoT in Agriculture

- Smart Irrigation system
- Climate monitoring
- Precision Agriculture
- Livestock monitoring
- Crop health monitoring



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In recent days, the integration of IoT and big data plays a significant role in improving the crop yield and quality. It helps in decision making process of farmers. By using the different IoT enabled device, the farmers can get various information related to agriculture and allied activities. In smart farming approaches, modern farm equipment, latest technology, sensors and drones is widely used. which is helps to increase the crop productivity and sustainability.

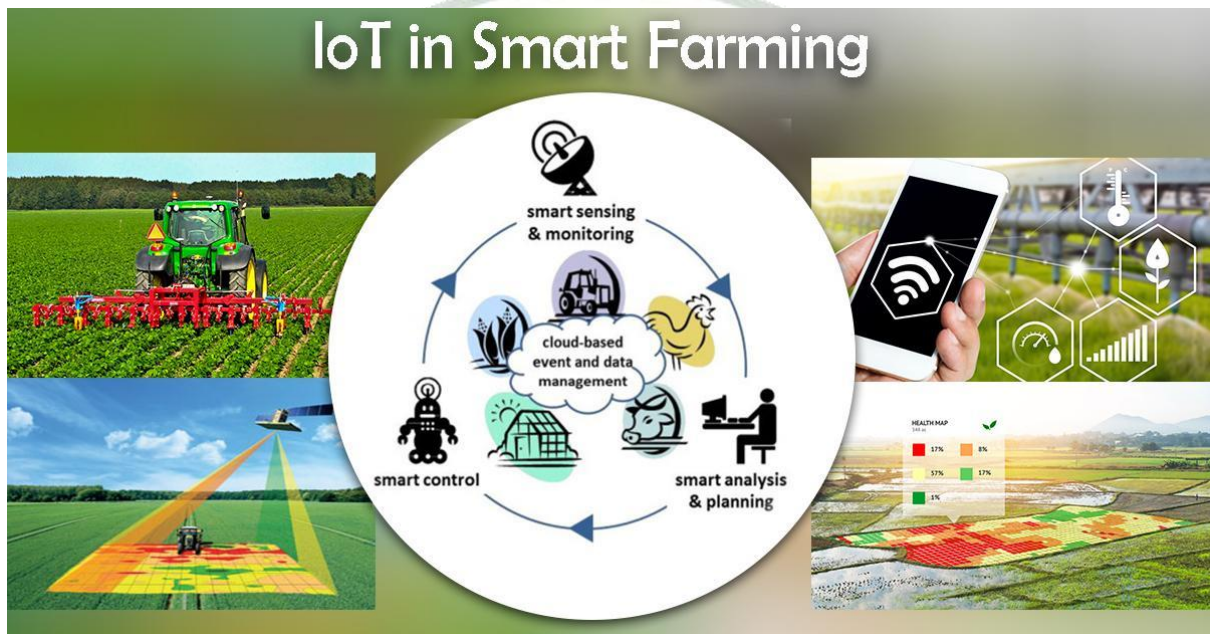




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Advantages

- Improve yield
- Optimization of Resources
- Reduction in costs
- Saves time
- Sustainability
- Risk management



Challenges

- Network issue
- Data security
- Data privacy
- High initial costs
- Poor infrastructure
- Skilled knowledge