HARIHARAN SD
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Cyber Physical Systems :-

PART-A

1. IIoT
2. Industrial Process
3. Home Security systems and point of sale system.
4. AR
5. Automated Internet

PART-B

1. Industrial processes are produces involving chemical physical, electrical / mechanical steps. to aid in the manufacturing of an items of usually carried on a very large scale

2.

Sensor	Actuator
→ device used for the conversation of physical events → This is a H/W device that takes the I/P from	→ A device that converts the electrical signals into physical ~~systems~~ events. → Takes I/P from the system and gives O/P to the environment

(3) → Comes with some unique pitfalls due to its cyber-physical connection.

→ In other words when something goes wrong in the digital world.

Challenges

→ High investment

→ Connectivity outrage

(4) → Automated and remote equipment management & monitoring

→ Predictive maintenance

→ Pinpoint inventories

(3) next-gen sensors

→ Autonomous, mobile, Robot

→ Thermal sensors.

PART-C

(1) Industry 4.0

→ Refers to the 4th industrial revolution although it is concerned with areas that are not usually classified as industry applications in their own right, such as smart cities.

Fourth Industrial Revolution:

→ The first industrial revolution came with the advent of mech; steam power and wata power.

→ This was followed by the ~~second~~ second industrial revolution, which involved

→ This was followed by the 2nd industrial revolution. which involved created mass production & assembly lines using electricity

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