

Siddhant Shenoy

IoT Externship Training

Assignment 1

List out 20 use cases in IoT

- 1) **Smart Healthcare Monitoring System** – Patient Monitoring Systems, Automated Disease Diagnosis, Medical Fridges etc.
- 2) **Smart Wearables** – Watches, Fitness Trackers and Hearables etc.
- 3) **Smart Transportation** – Autonomous and Connected Vehicles, Smart Parking etc.
- 4) **Smart and Sustainable Cities** – Energy Management, Outdoor Surveillance, Smart Lighting, Traffic Management etc.
- 5) **Smart Agriculture** – Efficient Irrigation systems, Inventory management, Livestock Monitoring etc.
- 6) **Smart Industries** – Efficient Warehouse and Enterprise Asset Management, Predictive Maintenance, Industrial Automation and Optimization etc.
- 7) **Smart Waste Management** – Automated and Interconnected Dustbins etc.
- 8) **Smart Workplaces** – Sociometric or Automated People Analytics for improving Performance etc.
- 9) **Smart Homes** – Remote Controlled Appliances, Home Security etc.
- 10) **Smart Logistics** – Inventory Management, Fleet Tracking, Intelligent Packaging etc.
- 11) **Smart Retail** – Machine to Machine Payments, Supply Chain Control, Smart Product Management etc.
- 12) **Smart Pollution Control** – Overall Environmental Pollution Monitoring Systems for Air, Water, Soil as well as Noise.

- 13) **Smart Crime Control Systems** – Automated Drones for Surveillance, Counterfeit Product ID, Intrusion Detection Systems, Cybersecurity etc.
- 14) **Smart Prediction Systems** – Predictive Maintenance, Quality Analytics, Predictive Replenishment, Waste Reduction etc.
- 15) **Smart Automated Robots** – Robotic Assembly and Disassembly, Machine Tending etc.
- 16) **Smart Construction Systems** – Structural Health Monitoring, Construction Management, Construction Site Monitoring etc.
- 17) **Smart Education Systems** – Virtual and Remote Training, Auto-Proctored Examinations, Remote Collaborations etc.
- 18) **Smart Technologies** – Virtual Reality, Augmented Reality, Speech Recognition, Object Detection, Edge Computing and Intelligence etc.
- 19) **Smart Metering Systems** – Microgrid, Advanced Metering Infrastructure etc.
- 20) **Smart Positioning Systems** – Indoor Positioning Systems, Last Mile Delivery, Real-Time Location Systems, Emergency SOS Tracking in case of accidents.