**RoboTrack**

**Problem Statement**

Manufacturing industries that use mechatronic systems (robots, CNC machines, conveyors, sensors) face frequent challenges in monitoring equipment health and scheduling timely maintenance. Currently, many factories rely on manual logs or delayed service calls, which lead to unplanned downtime, costly repairs, and productivity loss.

To address this,

* Integrate IoT enabled mechatronic devices with Salesforce for real time data capture
* Automate alerts for predictive maintenance (based on vibration, temperature, or usage hours)
* Auto-generate service tickets and assign them to nearby engineers
* Track spare part inventory and trigger automated restocking requests
* Provide managers with dashboards showing equipment performance, downtime trends, and cost savings