

Lesson 5

Business Model Scenario in IoTs

Key Resources at Input Stages in Business Model Scenarios For The IoT

- Sensors, M2M, sensor networks data
- Data using web APIs for multiple information sources data
- Open sources data and corporate databases
- Mobile services network information data
- Knowledge databases

Real-time Monitoring Applications in Business Model Scenarios for the IoT

- Using Real-time M2M, IoT sensors and sensors network data and generating events and monitor the systems
- Real-time anomalies and fault detection
- Maintenance scheduling
- Predictive maintenance
- Fault or anomaly detection.

Real-time Monitoring Applications in Business Model Scenarios for the IoT

- Maintenance scheduling
- Predictive maintenance.
- Event analytics enabling insight knowledge into the business processes
- Enabling the distributed processes
- Enabling the efficient processes
- Streamlining the business processes.

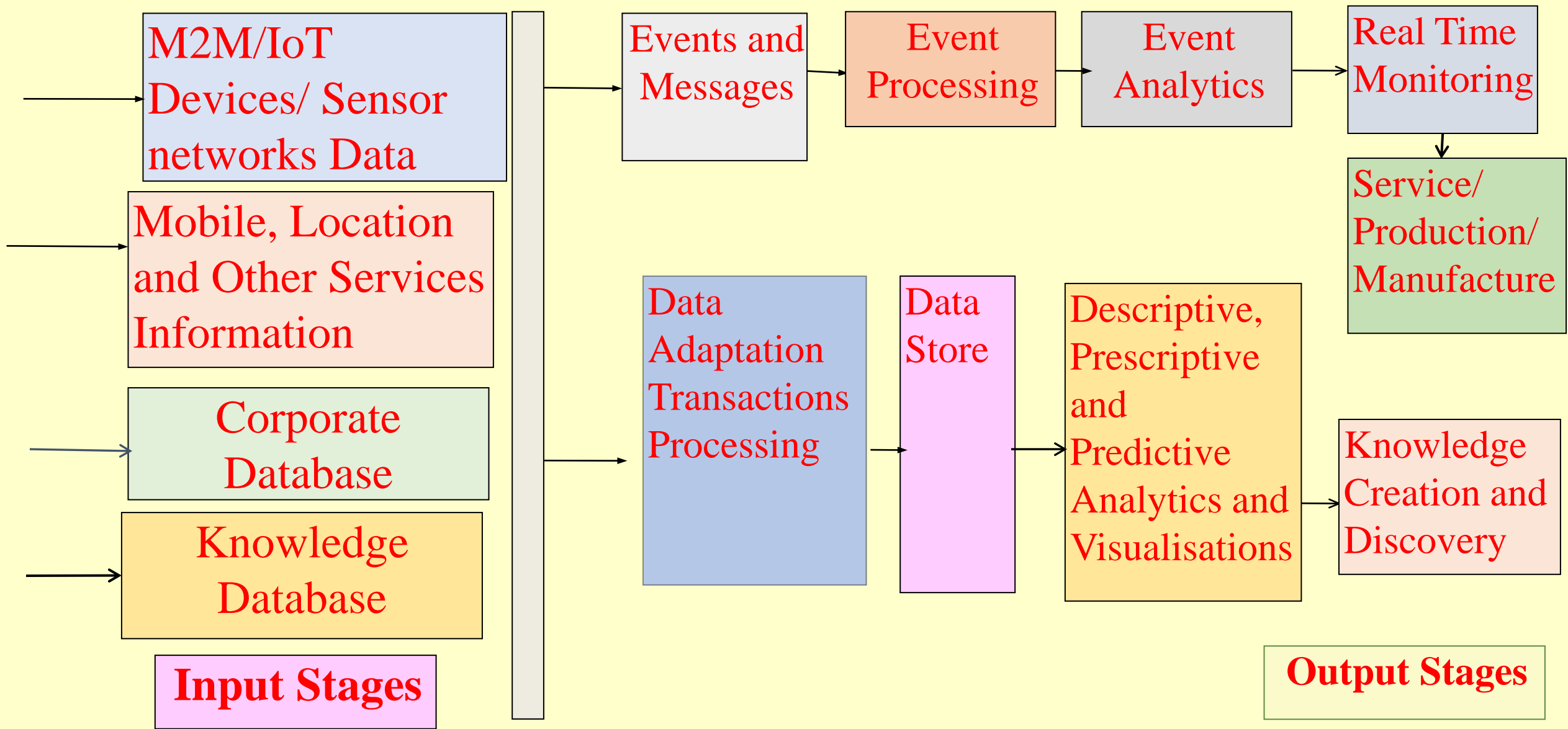


Fig. 11.6: Real time processing/monitoring/maintenance scheduling/ predictive maintenance scenario using the IoTs

Industrial IoT

- IIoT deploys connectivity to all parts of the production process: machines, products, systems, and people using the clouds and big data technology
- The machines and products communicate, and thus manage themselves and each other.
- Software-based system and
- service platforms, data analytics and visualisation, play a major role in tomorrow's manufacturing.

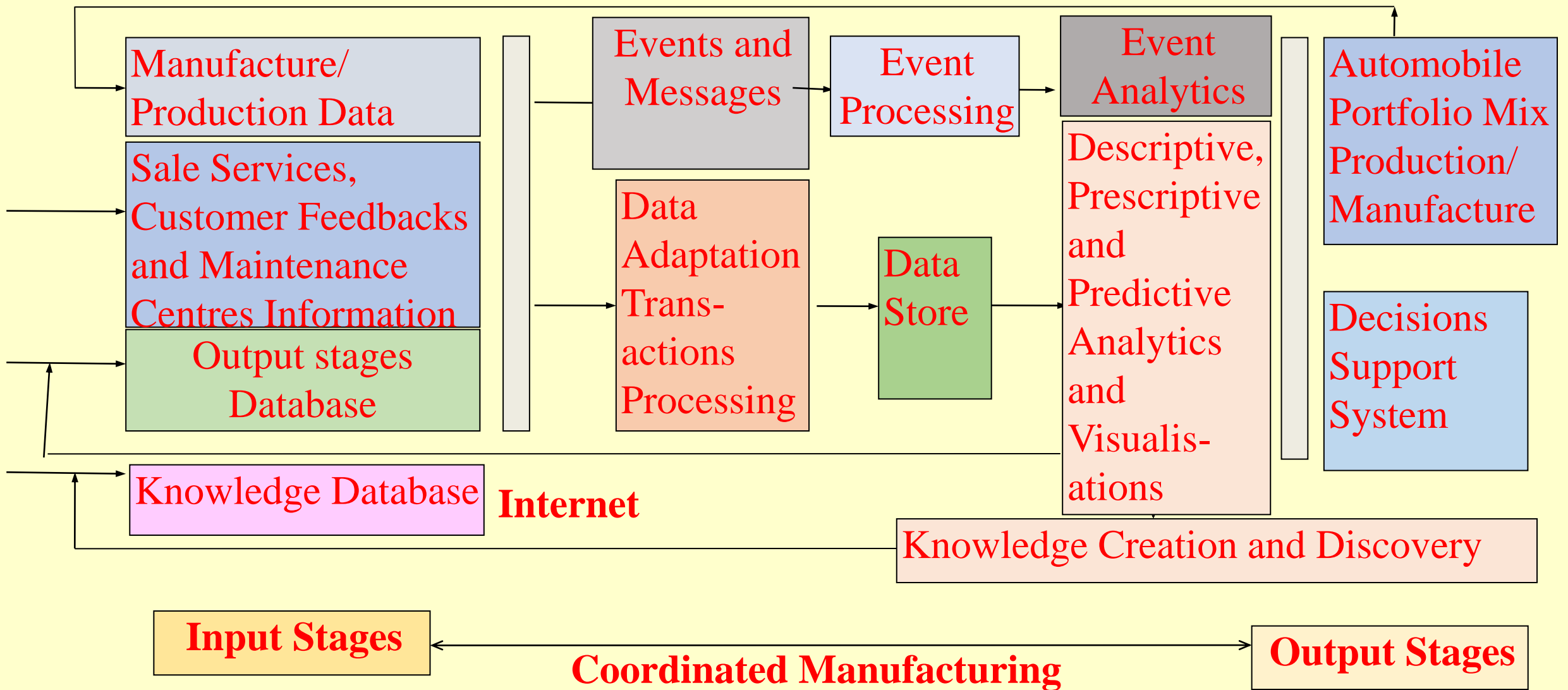


Fig. 11.7: Coordinated manufacturing and production processes for portfolio mix of automobiles with the usages of Analytics and visualization, Sale Services, Customer Feedbacks and Maintenance Centers Information

Industry 4.0

- Fourth industrial revolution
- IIoT is important componen
- Industry 4.0 expected to extensive deploy IIoT
- Will be changing the face of manufacturing

Summary

We learnt

- The data from multiple sources and services
- Multiple sources and database data the part of key resources in business model scenarios for the IoT driven value chain
- Use of M2M data along with the sales, customer and maintenance services data enables coordinated manufacturing and production processes

End of Lesson 5 on Business Model Scenario in IoTs