ERP System: E-manufacturing module

1. **Evolution of E .R.P.**
   1. Traditional approach for inventory management
   2. Economical Ordered Quantity (EOQ)
   3. Material Requirement Planning (MRP)
   4. Manufacturing Resource Planning (MRP2)
   5. Enterprise Resource Planning (ERP)
2. **Various ERP available in Market**
   1. SAP R/3 – Most Exhaustive & Market Leader
   2. Baan
   3. Peoplesoft
   4. Ramco
   5. Oracle Apps
3. **Modules of ERP**
   1. Financial Accounting
   2. Treasury
   3. Investment Management
   4. Production Planning(E-Manufacturing)
   5. Material Management
   6. Quality Management
   7. Sales & Distribution
   8. Human Resource Management
4. **Why E-Manufacturing**
   1. It is a Technology Roadmap, between Customer, Manufacturing Operations & Suppliers through web-based applications
5. **Modules of E-Manufacturing**
   1. System Manager
      1. Workflow System Management
   2. Distribution
      1. Purchase Order processing
      2. Sales Order Processing
      3. Inventory Control Management
   3. Manufacturing
      1. Manufacturing Data Management
      2. Planning & Forecasting
      3. Shopfloor Control

Introduction

E-manufacturing enables the connectivity to internet & the business for the mobile & distantly located users. It helps the enterprise to link its resources, utilize & allocate them in the best possible manner & control them on a real time basis. It enables the enterprise to achieve world class performance by streamlining its processes and optimizing resources. Hence E-manufacturing can be termed as a “Technology Roadmap” for information transparency between the Customer, Manufacturing operations & Suppliers. Automotive industries, Chemical & Pharmaceutical companies, Consumer Goods, Healthcare, hi-tech & Electronics, Mechanical Engineering & Heavy Constructions are some of the industries which are benefitted by implementing the E-manufacturing business modules.