# ODOO MANUFACTURING

ERP System in Manufacturing - Today's Neccesity

- Evaluating and understanding the need of an ERP system in your business is crucial in surviving in today's competitive market. Listed below are some of the advantages that an ERP system offers to a manufacturing organisation:

- **Streamlines Operations**
- **Enhances Productivity**
- **Reduces Time and Cost**
- **Optimized Inventory**
- **Improved Traceability**
- **Reporting and Analytics**

- Odoo provides a plethora of productive apps that can be used to streamline your manufacturing. The apps mentioned below are some apps that can be used to profiefiently manage your manufacturing business:

Apps
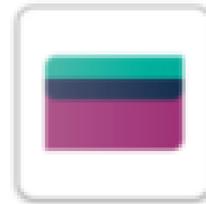
| Manufacturing | Purchase | Inventory | Barcode | Planning | Employees |
| Shop Floor | Work Centers | Quality | Repairs | Maintenance | PLM |
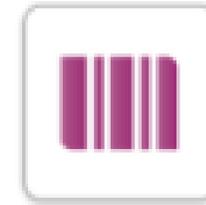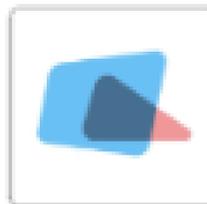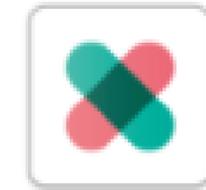
Attendance	Timesheets	Time Off	Work Enteries	Expenses	Payroll

Documents	Knowledge	Accounting	VOIP	IOT	Dashboards

• Key features of Odoo Manufacturing:

- **Bill of Material Management (BoM)**: A Bill of Materials (BoM) is a document defining the quantity of each component required to make or deliver a finished product. It also includes various operations and the individual step guidelines needed to complete the production process. We can create multiple BoMs for a single product, assemblies, sub-assemblies, kit-type products and many more using Odoo Manufacturing.

- **Resource Planning:** Using Odoo Manufacturing, we can optimally plan our resources like material, man, machine, time, cost, etc for our manufacturing.

- **Work Order and Routing Management:** We can define manufacturing routes and create, assign or track work orders to our manufacturing orders.

- **Real Time Resource Tracking:** We can have real time traceability of all our resources like employees, inventory, orders and lead times of our organization using Odoo Manufacturing.

- **Shop Floor Management:** The Odoo Shop Floor App provides a visual interface for processing Manufacturing Orders (MOs), Work Orders (WOs), managing Work Centers (WCs), tracking Production Time and managing Employees working on the shop floor.

- **Inventory Optimization:** It helps in managing optimum inventory by providing real time inventory information and helps maintaining optimal inventory levels with viable replenishment rules.
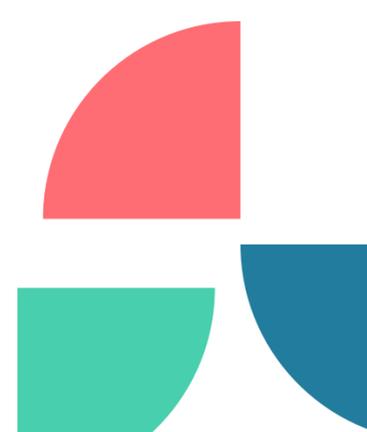
- **Quality Management:** Odoo helps in ensuring product and components quality from receipt of components to final product delivery to the customer. It helps in configuring quality control points, conducting quality checks, automate quality inspection frequency, and create quality alerts when issues arise aiding organisations in achieving their six sigma targets.

- **Maintenance Management:** Odoo's Maintenance app helps in managing equipments by setting targets, tracking them and executing the **Corrective Actions** and **Preventive Actions (CAPA)** necessary to get the most out of them.
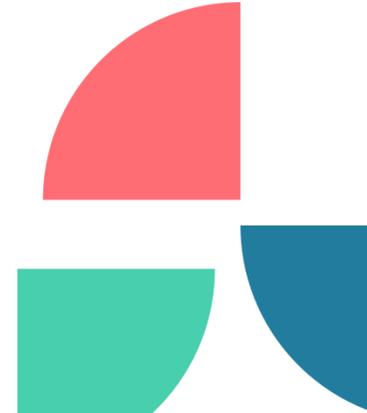
- **Product Life-cycle Management:** This app of Odoo helps in maintaining and recording any changes of all the product related information and **Engineering Change Orders (ECOs)** right from the designing phase to post launch support phases of products.

- **Simplified Communications:** Odoo helps in collaborating with all the stakeholders during any phase of manufacturing execution seamlessly using Odoo Discuss, Odoo Knowledge, Odoo Chatter, Social Media Apps and Voice Over Internet Protocol (VOIP).
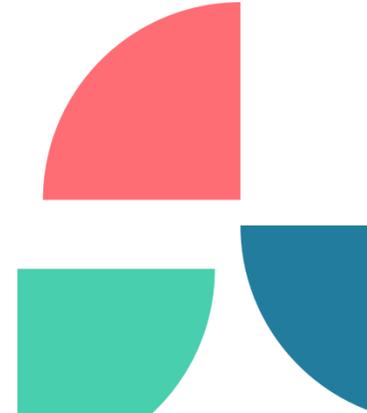
- **Internet of Things (IoT) Integration:** Embrace **Industrial IoT** to get real time information on all the processes of your organisation by integrating with an IoT box.

- **Improved Cost and Revenue Management:** Tracking all your expenses made easy using **Cost Analysis** feature of Odoo Manufacturing based on which you can get insights on the revenue generated from each order.

- **Enhanced Reporting and Analytics:** Odoo Manufacturing provides detailed information on all the **Key Performance Indicator (KPIs)** involved in executing your manufacturing with proper structured reports and comprehensive analytics.
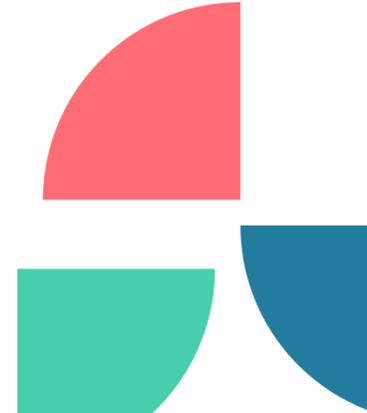
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