

## 1. Human Resources (HR) Management

### Functionalities:

- Attendance Management: Track employee check-ins and check-outs based on location using GPS or RFID.
- Payroll Management: Accurately manage salaries, deductions, bonuses, and tax calculations, integrating with financial systems.
- Leave Management: Track various types of leave with a workflow for requests and approvals, including notifications.
- Asset Management: Use barcode or RFID for tracking company assets, integrating with procurement for purchases and depreciation.
- Supplier Management: Maintain supplier information, delivery history, and performance metrics with a rating system.
- Insurance Management: Keep records of policies, coverage details, renewal dates, and claims history with alerts for renewals.

### Best Ideas:

- Implement automatic location-based attendance tracking.
- Integrate payroll with tax calculation tools for accuracy.
- Use a centralized dashboard for HR metrics.

### Customer Usage:

- Employees can submit leave requests and track attendance.
  - Managers can approve requests and monitor team attendance and leave balances.
  - HR can manage payroll and asset tracking efficiently.
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## 2. Finance Management

### Functionalities:

- Salary Payments: Integrate with HR for accurate disbursements.
- Installment Tracking: Manage loan repayments and equipment leases.
- Loan Management: Monitor multiple loans with interest rates and payment schedules.
- Financial Reporting: Generate comprehensive reports and dashboards for project payments, expenses, and revenues.

### Best Ideas:

- Use automated financial reporting tools for real-time insights.
- Implement a unified financial dashboard for quick decision-making.

### Customer Usage:

- Accountants can manage salary disbursements and track financial health.
  - Managers can access financial reports to make informed decisions.
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### 3. Storage Management

#### Functionalities:

- Material Inventory: Track stock levels in real-time.
- Usage Reports: Show material usage and optimize inventory.
- New Additions: Track incoming materials monthly.

#### Best Ideas:

- Use RFID for inventory tracking.
- Implement predictive analytics for material usage.

#### Customer Usage:

- Inventory managers can manage stock levels and optimize purchases.
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### 4. Timeline Management

#### Functionalities:

- Task Management: Assign tasks with clear start and end dates.
- Resource Planning: Identify materials and machines needed for tasks.
- Scheduling: Handle task dependencies and generate Gantt charts.
- Progress Tracking: Allow daily updates on task progress.

#### Best Ideas:

- Use Gantt charts for visual scheduling.
- Implement real-time progress tracking.

#### Customer Usage:

- Project managers can plan and track project progress effectively.
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### 5. Engineering Management

#### Functionalities:

- Design Repository: Version-controlled access to project drawings.
- Shop Drawings: Document changes with approval workflows.
- Progress Reporting: Daily logs or status updates.
- Drawing Management: Track drawing requirements and status.
- Responsibility Tracking: Ensure clear task ownership.

#### Best Ideas:

- Implement version control for design documents.
- Use workflows for change management.

#### Customer Usage:

- Engineers can access and manage design documents and track progress.
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### 6. Procurement Management

#### Functionalities:

- High-Value Assets: Procurement with approval workflows.

- Lead Time Tracking: Manage materials with long delivery times.
- Heavy Machinery Management: Track maintenance schedules and usage statistics.

Best Ideas:

- Implement supplier performance analytics.
- Use predictive lead time tracking.

Customer Usage:

- Procurement teams can manage asset purchases and track lead times.
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## 7. Project Management

Functionalities:

- Project Information Access: Centralized data access.
- Data Presentation: Customizable tables for filtering and sorting.
- Reporting: Generate categorized reports and export in various formats.

Best Ideas:

- Use a centralized project dashboard.
- Implement customizable reporting tools.

Customer Usage:

- Project managers can access all project data and generate reports.
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## General Considerations

- Centralized Dashboard: Monitor key metrics across departments.
  - Notification System: Alerts for critical tasks.
  - Integration with Tools: Seamless integration with Google Sheets, Slack, etc.
  - Mobile App Support: Access data and perform actions on the go.
  - Advanced Reporting: Customizable filters for reports.
  - Role-Based Access Control: Ensure data security with proper access controls.
  - Document Management: Easy upload, search, and version control for documents.
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## Development and Support

- Timeline and Resource Allocation: Prioritize features based on impact and urgency.
- Testing and QA: Continuous testing for stability and security.
- Training and Support: Provide comprehensive training materials and ongoing support.