

Software Requirement Note

Project: Worker & Tools Monitoring System

1. Employee & Salary Management

1. Monthly prepared **salary sheet with overtime** calculation.
 2. **Project-wise salary sheet** including overtime.
 3. **Salary category-wise** (Management, Marketing, Admin & HR, Engineering, Ducting, Piping worker, etc.).
 4. **Yearly salary report** for each employee.
 5. **Attendance management**: Present, absent, holidays, and remaining leaves.
 6. **Best employee identification**:
 - Based on **punctuality** (arriving on time in the morning).
 - Based on **lowest absence record**.
 - Ranking system (e.g., monthly/quarterly best employee).
 7. **Employee categorization**: Management, Marketing, Admin & HR, Engineering, Ducting, Piping workers, etc.
 8. **Biometric attendance system**: Integration with face or fingerprint detectors at project sites.
 9. **Alternative attendance via mobile app**: For projects without biometric devices, employees can **mark attendance using the app** (with user ID & password login, GPS location tracking option).
 10. **Project transfer feature**: If an employee is moved to another project, attendance and salary should automatically be adjusted to the new project.
 11. **Project-wise attendance report**: To calculate and track **project cost of manpower**.
 12. **Real-time salary monitoring**: View current month's salary status on the current date.
-

2. Tools & Inventory Management

1. **Central Warehouse system**: All tools stored in one central store.
2. **Project transfer system**: Tools can be transferred from central warehouse to projects.
3. **Return process**: When projects are finished, tools must return to the central warehouse.
4. **Stock visibility**:
 - Central warehouse shows **actual stock quantity**.
 - Project shows **allocated tools quantity**.
5. **Adjustment option**: In case tools are stolen, damaged, or destroyed, with automatic cost calculation for the adjustment.
6. **New purchase entry**: Add new tools with purchase price into the central warehouse stock.
7. **Asset valuation**: Software should generate a report showing **total number of tools** and their **total value (price)** at any time.

3. Mobile Application

- **Employee login system** with user ID & password.
- **Attendance via mobile app** (for sites without biometric system).
- Employees can view:
 - Daily attendance record.
 - Salary (current month & yearly summary).
 - Remaining holidays.
- Project Managers can view:
 - Project-wise attendance.
 - Salary summary.
 - Assigned workers and tools.

Expected Output

- User-friendly **dashboard** with project-wise and employee-wise reports.
- Reports exportable in **Excel/PDF format**.
- **Web-based system** (accessible from office and project site).
- **Mobile app** (Android & iOS) for real-time attendance and reporting.
- **Best employee ranking** visible on dashboard (monthly/quarterly).