

PRD (Product Requirements Document)

- **User Roles:**

- **Contractor (Admin):** The main user who logs in, manages their company's worker records, marks attendance, enters wages, processes payments, and sends/prints payment proofs.
- **Worker (Field User):** No login; workers receive payment confirmations. They access **proof of payment** via SMS links or printable PDFs (no account required).
- **Internal Admin (Ops):** A super-admin role (for the SaaS team) that can oversee all contractor accounts, manage system settings, and view aggregate reports.

- **Features by Phase:**

- *Phase 1:* Core CRUD for workers, attendance entry (dates/hours), wage calculation, payment recording, and generation of basic payment summary (PDF or SMS link). Basic dashboard lists current attendance and recent payments.
- *Phase 2:* Automated SMS/WhatsApp receipts, downloadable income certificates, contractor role-based permissions (e.g. multiple contractor admins), improved dashboard with charts (attendance trends, wage totals), and basic reporting.
- *Phase 3+:* Worker self-service (view/download past certificates via code or one-time link), lending/microfinance integration to advance wages, multi-company support, API integrations (e.g. accounting software), and ML-driven insights on labor costs.

- **Functional Requirements:**

- Worker management (add/edit/delete worker profiles with contact info).
- Attendance logging (by day or shift) tied to each worker.
- Wage/Salary entry per worker (daily rate or hourly).
- Automated calculation of total wages from attendance.
- Payment processing (record when a worker was paid, amount).
- Receipt generation: send SMS/WhatsApp messages with a unique link to a proof-of-payment summary (and/or attached PDF).
- PDF Generation: create printable payment receipts and cumulative income summaries (monthly/yearly).
- Dashboard UI: display key metrics (total wages due, attendance counts) and latest payments.
- Role-based access: contractors see only their data; internal admins see all.

- **Non-functional Requirements:**