

Human Resource Management System (HRMS) Project Details

Overview

The HRMS is a web-based application designed to manage employee information, attendance, leave requests, and basic HR functions. This system helps HR departments streamline administrative tasks and maintain accurate records of their workforce.

Modules to Include

Authentication System

- - Employee Login
- - Admin (HR) Login
- - Password recovery/reset feature

Dashboard

- - Admin View: Overview of total employees, leave requests, pending approvals, attendance stats
- - Employee View: Summary of attendance, leaves taken, announcements

Employee Management

- - Add/Edit/Delete employee profile (Admin)
- - Employee can update their own profile (except role/designation)
- - Fields: Name, Email, Phone, Department, Designation, Joining Date, Profile Picture

Attendance Management

- - Daily Check-in/Check-out and Break after Check-in
- - IP-based attendance
- - Capture picture by front camera
- - Time logging (timestamp)
- - Attendance calendar (monthly view)
- - Admin can mark/edit attendance manually

Leave Management

- - Employees can: Apply for leave, Check leave balance, Track leave status
- - Admin can: Approve/Reject leave, View leave reports (by department/date/status)
- - Types of leave: Casual, Sick, Paid, Unpaid

Holiday & Announcement Management

- - Admin can: Add public holidays, Publish announcements (e.g., upcoming events, policy updates)

Reports & Export

- - Export attendance and leave reports (CSV/Excel)
- - Monthly/Yearly attendance reports
- - Employee performance summary (optional feature)

Settings (Admin Only)

- - Define leave types and policies
- - Set company details
- - Manage roles & permissions (basic role-based access)

Tech Stack

Frontend:

- - HTML5, CSS3
- - JavaScript
- - Bootstrap/Tailwind CSS (for UI)

Backend:

- - Python (Flask or Django)
- - REST APIs for AJAX-based attendance/leaves

Database:

- - MySQL / PostgreSQL / SQLite / MongoDB

File Storage:

- - For profile pictures and attachments (Cloudinary, azure etc.)

Advanced Features

- - Notifications (email for leave approvals)
- - QR Code or Face Recognition for attendance
- - Admin dashboard with charts (using Chart.js)

Suggested Roles for Interns

- - Frontend Interns: UI/UX design, responsive pages, AJAX calls
- - Backend Interns: API development, database logic, authentication
- - Full Stack Interns: Connect frontend and backend, manage business logic

- - Testing Interns (optional): Unit testing, QA

Deliverables

- - Working web app (Responsive)
- - GitHub repository with proper commits
- - Documentation (README + user guide)
- - Demo video

Deadline: 30 April 2025, 4 to 6 PM

Note: For any queries, contact:

E-Mail: rkvsk73@gmail.com

Mobile: 9637999542