**✅ Authentication (JWT-based)**

| **Method** | **Endpoint** | **Description** | **Access** |
| --- | --- | --- | --- |
| POST | /api/auth/register | Register new user | Public |
| POST | /api/auth/login | Login user & get token | Public |
| GET | /api/auth/profile | Get logged-in user profile | Authenticated |
| PUT | /api/auth/profile | Update user profile | Authenticated |

**✅ Employee Management**

| **Method** | **Endpoint** | **Description** | **Access** |
| --- | --- | --- | --- |
| POST | /api/employees | Add a new employee | Admin |
| GET | /api/employees | Get all employees | Admin |
| GET | /api/employees/:id | Get single employee details | Admin |
| PUT | /api/employees/:id | Update employee details | Admin |
| DELETE | /api/employees/:id | Delete an employee | Admin |

**✅ Payroll Management**

| **Method** | **Endpoint** | **Description** | **Access** |
| --- | --- | --- | --- |
| POST | /api/payrolls | Generate payroll for an employee | Admin |
| GET | /api/payrolls | Get payroll for logged-in employee | Employee |
| GET | /api/payrolls/all | Get all payroll records | Admin |
| PUT | /api/payrolls/:id | Mark payroll as Paid | Admin |
|  |  |  |  |

### **1. User Management & Role-Based Access Control (RBAC)**

* Create different user roles (Admin, HR, Manager, Employee).
* Define permissions for each role.
* Secure authentication (2FA, OAuth, JWT-based tokens).

### **2. Employee Management**

* Add/Edit/View employee profiles.
* Manage departments and designations.
* Store documents (resumes, ID proofs, contracts).
* Track employment history.

### **3. Attendance & Leave Management**

* **Biometric, RFID, or GPS-based attendance tracking** (For remote/hybrid workers).
* Automated leave requests and approvals.
* Leave balance tracking (Annual, Sick, Casual).
* Holiday calendar integration.

### **4. Payroll Management**

* Salary structure setup with components like **Basic, HRA, TA, DA, PF, and Taxes**.
* Automated salary generation.
* Tax & compliance calculations (PF, ESI, TDS).
* Payslip generation and PDF download.

### **5. Performance Management**

* Set employee goals and KPIs.
* 360-degree feedback system.
* Monthly, quarterly, yearly appraisals.
* Reward and recognition module.

### **6. Recruitment & Applicant Tracking System (ATS)**

* Post job openings.
* Resume parsing and candidate shortlisting.
* Interview scheduling and feedback.
* Offer letter generation.

### **7. Employee Self-Service Portal**

* Employees can apply for leaves, check salary slips, update personal details.
* View company policies and announcements.
* Access training materials.

### **8. Task & Project Management**

* Assign tasks and projects to employees.
* Track work progress.
* Set deadlines and priority levels.
* Generate project reports.

### **9. Compliance & Legal Management**

* Maintain compliance with labor laws (PF, ESI, Gratuity).
* Auto-generate reports for government filings.
* Document storage for legal and compliance-related files.

### **10. Reports & Analytics Dashboard**

* Employee performance and attrition reports.
* Payroll expenditure breakdown.
* Leave trends and overtime tracking.
* Custom report generation.

### **11. Employee Engagement & Feedback**

* Conduct surveys and polls.
* Employee grievance management.
* Suggestion box feature.

### **12. Integration with Third-Party Tools**

* Slack, Microsoft Teams, and Google Calendar for notifications.
* QuickBooks, Tally, or Zoho Books for accounting integration.
* API support for custom integrations.

### **13. Mobile App Support**

* Allow employees to mark attendance, apply for leaves, and check payroll via mobile.
* Push notifications for approvals and alerts.

### **14. AI-Powered Chatbot & Automation**

* AI-based HR assistant for FAQs and leave balance queries.
* Automate repetitive HR tasks like onboarding, leave approvals, and payroll processing.

1️ **Attendance Logs Table add karein?** (Daily log show ho)  
2️ **Leave Management start karein?**  
3️ **Payslip PDF Generation implement karein?**