**🔧 1. Office Attendance Tracker (Web App)**

**Features:**

* Employee check-in/check-out system
* Real-time clock and date
* Attendance logs stored in local storage or a backend (if extended)
* Admin dashboard to view attendance summaries

**Tech Stack:**

* HTML/CSS for layout and styling
* JavaScript for logic and interactivity
* Optional: Firebase or a simple backend for data persistence

**📊 2. Attendance Analytics Dashboard**

**Features:**

* Upload attendance CSV files
* Visualize data using charts (e.g., Chart.js or D3.js)
* Show trends like late arrivals, absences, or peak check-in times

**Tech Stack:**

* HTML/CSS for UI
* JavaScript + Chart.js for data visualization

**📅 3. Interactive Attendance Calendar**

**Features:**

* Calendar view with color-coded attendance status
* Click on a date to view/edit attendance
* Export to PDF or CSV

**Tech Stack:**

* HTML/CSS for calendar layout
* JavaScript for interactivity and data handling

**🧠 4. Smart Attendance Reminder**

**Features:**

* Reminds users to check in/out based on time or location (if extended with geolocation)
* Notification API for browser alerts
* Customizable reminder settings

**Tech Stack:**

* HTML/CSS for UI
* JavaScript for logic and notifications

**🔐 5. Role-Based Attendance System**

**Features:**

* Login system for employees and admins
* Employees can mark attendance
* Admins can view and manage records

**Tech Stack:**

* HTML/CSS for layout
* JavaScript for logic
* Optional: LocalStorage or backend for user roles and data