Frontend Team – *User Interface*

What to Create:

- A web interface for:
  - Employee Login/Logout using webcam
  - Leave request form
  - Admin dashboard to see attendance reports

☐ Tools:

- React.js + Tailwind CSS (or MUI)
- Vite for project setup

⌖ Final Output:

- A working website with these pages:
  1. **Login Page** (with camera for face capture)
  2. **Employee Dashboard**
     - Show check-in/check-out button
     - Show past attendance
     - Leave form
  3. **Admin Panel**
     - Show all employees
     - Show reports (daily/weekly/monthly)

◼ Example:

- Employee logs in → Camera opens → Face captured → Button clicks → Attendance marked

Backend Team – *APIs & Database*

What to Create:

- Backend APIs that:
    - Receive face data
    - Save attendance
    - Return logs
    - Send data to SAP API

☐ Tools:

- Python with FastAPI OR Node.js with Express
- PostgreSQL or MongoDB

⌖ Final Output:

- Create REST APIs:
    - `/check-in`
    - `/check-out`
    - `/get-attendance`
    - `/apply-leave`
- Save all data in DB with timestamps

■ Example:

```json
CopyEdit
POST /check-in
{
  "emp_id": "E001",
  "timestamp": "2025-08-08T09:00:00"
}
```