**Features of Face It (Final Year Project)**

**1. User Roles**

* **Admin Login**
  + Secure authentication for admin access.

**2. Admin Dashboard**

* Overview of daily, weekly, and monthly attendance.
* Quick stats (e.g., % present, % late, % absent).
* Notification panel for flagged students (low attendance/too many lates).

**3. Student Management**

* Add, edit, or delete student profiles.
* Assign students to classes.
* Upload student ID photos for face registration.

**4. Class Management**

* Create and manage multiple classes (e.g., Class A, B, C).
* Assign schedules to each class. (not necessary because less than 2 mnth)
* Filter attendance records by class.

**5. Face Registration**

* Upload a photo or capture via webcam (phone/laptop).
* Detect and encode face using Python + OpenCV.
* Store face encoding for future matching.

**6. Face Recognition & Attendance Marking**

* Real-time face recognition via browser webcam.
* Automatically marks:
  + **Present** (if recognized within time).
  + **Late** (if recognized after the late threshold).
  + **Absent** (if not detected by session end).
* Uses browser webcam (works on laptop and phone).

**7. Attendance Rules**

* Late threshold setting (e.g., late after 8:15 AM).
* Auto-absent marking after session ends.
* Late Penalty Rule: 3 lates = 1 absent (monthly).
* Option to toggle rules in settings.

**8. Attendance Reports**

* View attendance by day, week, month, or by student.
* View per-student attendance percentage.
* Export reports (PDF or Excel).
* Visual indicators for:
  + Low attendance.
  + Excessive lateness.

**9. Settings Management**

* Set global rules:
  + Class start time.
  + Late time threshold.
  + Absence penalty rules.
* Enable or disable auto-marking features.
* Customize attendance duration per class.

**10. Notifications & Warnings**

* Flag students with:
  + Less than 75% attendance.
  + More than 3 lates in a month.
* Optional email/SMS alerts.