1. Admin Page - Login & Access

- **Login Credentials:** Admins must enter their username and password to access the portal.
- **Authentication:**
  - Secure login with encrypted passwords.
  - Two-factor authentication (optional).
- **Role-based Access Control:**
  - **Admin Role:** Can manage student achievements, approve/reject uploads, and review web-scraped events.

---

2. Student Achievement Upload Module

Student Side:

- **Upload Interface:**
  - Students can upload certificates in **PDF, JPG, or PNG** format.
  - Maximum file size: **5MB** per certificate.
- **Mandatory Fields:**
  - Student Name
  - Student ID / Roll Number
  - Event Name
  - Event Type (Competition, Workshop, Seminar, Hackathon, etc.)
  - Date of Event
  - Certificate Upload
  - Abstract
- **Submission Status:**
  - Pending (Waiting for admin review)
  - Approved (Accepted by the admin)
  - Rejected (Admin provides a reason for rejection)

Admin Side:

- **Review & Verification:**
  - Admin can view uploaded certificates along with student details.
  - Option to zoom/download the certificate for verification.
  - **Approve/Reject** submissions with comments.
- **Bulk Actions:**
  - Admin can **approve/reject multiple submissions** at once.

---

3. Event Web Scraping & Display

- **Automated Web Scraping:**
  - Events are scraped from official university/college event pages, educational portals, and competition websites.
  - Data extracted includes:
    - **Event Name**
    - **Date & Time**
    - **Registration Link**
    - **Eligibility Criteria**
    - **Description**
- **Event Display on Admin Page:**
  - Admin can view a list of scraped events with details.
  - Options to **edit event details** before publishing.
  - Admin can **approve/reject** scraped events.
- **Publishing Approved Events:**
  - Once approved, events are displayed on the **student dashboard** for registration.

---

4. Additional Admin Features

Search & Filter

- Admin can filter achievement records based on:
  - **Student Name / ID**
  - **Event Type** (Competition, Workshop, etc.)
  - **Certificate Status** (Pending, Approved, Rejected)
  - **Date Range**

Analytics & Reports

- **Dashboard Metrics:**
  - Total Achievements Uploaded
  - Number of Approved Certificates
  - Rejected Submissions Count
- **Download Reports:**
  - Export student achievements as **CSV / Excel** for analysis.

Notifications & Communication

- **Email/SMS Notifications:**
    - Notify students when their certificate is approved/rejected.
    - Reminders for incomplete submissions.
- **Admin Dashboard Alerts:**
    - Pending approvals count.
    - Upcoming event reminders.

Websites for web scraping:

https://www.knowafest.com/explore/fest-type/online

https://unstop.com/

https://insider.in/all-digital-events-in-online-weekend/college-fest

https://techfest.org/

https://www.iitsystem.ac.in/latest-news