**Flow of HOD Module**

1. **Login** → Authenticated via the hods table.
2. **Dashboard** → Shows statistics of available courses & student registrations.
3. **Manage Courses**
   * **Add Course** → Stores details in courses table.
   * **Update Course** → Modifies data in courses table.
   * **Delete Course** → Removes data from courses table.
4. **View Registered Students** → Fetches data from registrations table.
5. **Generate Report** → Exports student registration data into **PDF/Excel**.

**Flow of Admin Module**

1. **Login** → Authenticated via the admins table.
2. **Dashboard** → Displays system statistics (total students, HODs, courses, and registrations).
3. **Manage Students**
   * **Add** → Stores in students table.
   * **View** → Lists students from students table.
   * **Delete** → Removes record from students table.
4. **Manage HODs**
   * **Add** → Stores in hods table.
   * **View** → Lists HODs from hods table.
   * **Delete** → Removes record from hods table.
5. **Generate Reports** → Export student, course, and registration data into **PDF/Excel**.
6. **View Registered Courses** → Fetches data from courses and registrations tables.

**Flow of Student Module**

1. **Login** → Authenticated via the students table.
2. **Dashboard** → Displays available courses and registered courses.
3. **View Available Courses**
   * Fetches course data from courses table.
   * Allows filtering by department, availability, etc.
4. **Register for Courses**
   * Checks available\_slots in courses table.
   * Inserts registration details into registrations table.
   * Updates available slots after successful registration.
5. **View Registered Courses**
   * Fetches student's registered courses from registrations table.
   * Displays course syllabus for download.
6. **Generate Registration Report**
   * Exports student’s registration data into **PDF/Excel**.