

Placement and Alumni Management System

- Project Overview

Objective

To build a centralized system for managing placements, alumni records, training, and job-related activities for students, faculty, and recruiters.

Key Modules & Roles

1. Admin Module - Controls all operations, manages users, drives, reports.
2. Student Module - Register, view/apply for jobs, attend training/webinars.
3. Alumni Module - Update profile, share jobs, mentor students.
4. Company Module - Post jobs, view eligible students.
5. Faculty Module - Guide students, approve resumes, track progress.
6. HOD Module - Department-level stats, approve drives, manage faculty.
7. Principal Module - View college-wide stats, approve events.
8. CGPA-Based Filtering Module
9. Online Job Training Module - Host video courses, quiz, certification.
10. Job Search with Location - Filter jobs by city, type, company.
11. Webinar & Certification - Schedule webinars, auto-certificates for attendees.
12. OCR Technique Integration - Automate the extraction of text/data from scanned documents such as resumes, mark sheets, certificates.
13. Academic Database for 3-Year Pass-out & Current-Year Students - Store academic and placement-relevant information
14. Reports & Analytics Module

Admin Module

- Full system control
- Manages users, placement drives, and database
- Uploads training materials, webinars, OCR-integrated documents
- Generates placement and alumni reports

Student Module

- Register and maintain personal profile
- Apply for jobs and attend placement drives
- View training courses, webinars, and download certificates
- Upload resumes/mark sheets (with OCR extraction)

Alumni Module

- Update employment details and share job opportunities
- Attend or host webinars and training sessions

Company (Recruiter) Module

- Post job openings and internships
- View eligible students based on CGPA/skills
- Track student applications
- Communicate with placement cell/admin

Faculty Module – Key Features:

- View and guide students in their department
- Approve or suggest changes to student resumes
- Recommend students for specific job roles
- View upcoming placement drives
- Communicate with HOD/Admin



HOD Module – Key Features:

- Department-wise placement overview dashboard
- View all faculty and student activity
- Approve company/job listings related to department
- Schedule mock interviews or resume workshops

- Export department-wise reports



Principal Module – Key Features:

- Institutional-level placement and alumni statistics
- Approve major permissions like new recruiters
- Publish placement achievements to institution website
- Monitor alumni engagement programs
- Approve or initiate MoUs with companies



Access Hierarchy (Top-Down):

1. **Principal** – Full view access + institutional-level control
2. **HOD** – Department-level control and coordination
3. **Faculty** – Individual student-level guidance
4. **Admin** – Manages system operations and technical maintenance
5. **Company** – External recruiter access
6. **Alumni / Student** – Limited role-based access to respective features

CGPA-Based Filtering Module

- Filter eligible students based on minimum CGPA criteria set by companies.
- Admin and companies can define cut-off CGPA for each job post.
- Automatically display only eligible candidates to recruiters.
- Students can view jobs they are eligible for based on their CGPA.

Online Job Training

- Training on aptitude, coding, soft skills.
- Video tutorials, quiz-based progress.
- Certificate generation after completion.
- Admin uploads content; students access via dashboard.

Job Search with Location Filter

- Filter jobs by location, type, and company.

- Google Maps integration (optional).
- Save/bookmark jobs.
- Helps target region-specific opportunities.

Free Webinar & Certification Module

- Schedule & host webinars (Zoom/Meet).
- Students register via system.
- Attendance tracking and automatic certificate generation.
- Increases engagement and student learning.

OCR Integration Module

- Automatically extracts data from scanned documents (e.g., mark sheets, resumes)
- Reduces manual entry for students and alumni
- Ensures data consistency across modules

Academic Database Module

- Stores academic details of current and 3-year pass-out students
- Tracks semester-wise marks and CGPA
- Enables CGPA-based filtering for job matching
- Export-ready for audits and placement reports

Reports & Analytics Module

- Generate filtered reports for placements, alumni, and training
- Export graphs, charts, or data tables
- Department-wise, year-wise, or CGPA-based filters

Module	User Role	Responsibilities / Priorities
Admin Module	Admin	Manage all data, users, placement drives, approvals, reports
Student Module	Student	Register for drives, view job listings, update resume, view placement status
Alumni Module	Alumni	Update employment info, share opportunities, mentor students, view events
Company Module	Recruiter/HR	Post job openings, view student profiles, conduct virtual/in-person interviews
Faculty Module	Faculty Advisor	Guide students, track individual student progress, approve resumes, forward profiles to HOD/Admin
HOD Module	Head of Department	Monitor department-wise placement stats, approve company proposals, oversee faculty actions
Principal Module	Principal	Monitor college-wide reports, authorize special drives/events, send circulars or official notes
Reports Module	All (Read access varies)	Generate custom reports based on role (e.g., HOD gets dept-wise, Principal gets college-wise)