ASCEND - Comprehensive Feature List

This document details every feature available in the ASCEND mentorship platform, categorized by user role and system module.

■ Core Platform Features

1. Company-Based Discovery

Instead of searching for random mentors, students find mentors by **Target Company**. * **Company Directory:** Searchable list of companies (e.g., Google, Odoo, TCS). * **Company Filters:** Filter by Industry (IT, Finance), Location, and Hiring Status. * **Company Insights:** View "Active Mentors", "Alumni Count", and "Hiring Trends" for each company.

2. Structured Q&A System

Replaces chaotic chat with organized, high-quality interactions. * **Structured Form:** Students must provide context (Current Status, Skills) before asking. * **Rich Text Editor:** Allows formatting code blocks, lists, and links in questions/answers. * **Attachments:** Support for Resume PDFs and Project links. * **Duplicate Detection:** AI warning if a similar question has already been answered.

3. Queue Management System (DSA Integrated)

Ensures fairness and prevents mentor burnout. * **FIFO Queue:** Questions are answered in "First-In-First-Out" order. * **Position Tracking:** Students see "You are #3 in queue". * **Urgency Priority:** High-priority questions (with justification) can jump the queue. * **Availability Toggle:** Mentors can pause incoming questions (On/Off).

■■■ Student Features

Dashboard:
- View "Questions Asked" vs "Answers Received" stats.
- Track recent activity and notifications.
- See recommended mentors based on skills.

Mentor Search:
- Filter mentors by Company, Role, and **Trust Score**.
- View Mentor Profiles (Experience, Skills, Bio).

Ask Question:
- Select specific Company and Mentor.
- Set urgency level (Normal/High).

Knowledge Base:

- Search accessible archive of past Q&A.
- Upvote helpful answers.

Referral Request:

- Submit formal referral requests with Portfolio/Resume.
- *Requirement:* Must meet interaction threshold with mentor.

■■■ Mentor (Alumni) Features

Mentor Dashboard:

- View incoming Question Queue.
- See personal **Trust Score** (0-100) based on student feedback.

Response Management:

- Answer questions with rich text resources.
- "Request Clarification" if student question is vague.
- Link duplicate questions to existing answers.

Referral Review:

- Approve or Decline referral requests.
- View student's full interaction history and portfolio.

Profile Management:

- Update current interactions, skills, and availability.

■■ Admin Features

Alumni Verification:

- Review and approve new alumni signups via LinkedIn/ID proof.

Analytics Dashboard:

- Track "Total Questions Answered", "Active Users", "Placement Success".

Content Moderation:

- Flag or delete inappropriate questions/answers.

■ Smart/Technical Features

- **Trust Score Algorithm:** Calculates mentor reliability based on response time and student feedback ratings.
- **Auto-Matching:** Suggests the best mentor for a question based on skills overlap and company match.
- **Knowledge Base Search:** Full-text search to find answers instantly.