

# DISHASETU PLATFORM

## COMPREHENSIVE FEATURE SPECIFICATION DOCUMENT

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## EXECUTIVE SUMMARY

### Document Purpose

This document provides an exhaustive, feature-by-feature specification for the Dishasetu Platform - India's premier employability and placement ecosystem. This specification is designed for product managers, business stakeholders, UX designers, and development teams to understand every aspect of platform functionality without requiring deep technical implementation knowledge.

### Platform Vision

Dishasetu aims to revolutionize the employment landscape in India by creating a transparent, skill-verified ecosystem that connects job-ready candidates with employers through measurable employability metrics, institutional partnerships, and mentor-guided skill validation.

### Document Scope

This specification covers:

- Detailed feature descriptions for all 7 user roles
- User journeys and workflows
- Screen-by-screen feature breakdown
- Business rules and logic
- User interactions and experiences
- Edge cases and special scenarios
- Success criteria for each feature

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# SECTION 1: PLATFORM OVERVIEW

## 1.1 Platform Introduction

### What is Dishasetu?

Dishasetu is a comprehensive digital platform that addresses the critical gap between educational outcomes and employment readiness in India. The platform serves as a bridge connecting four key stakeholders:

- 1. Job-Ready Students:** College students and fresh graduates seeking employment opportunities
- 2. Educational Institutions:** Colleges, universities, and training centers managing student placements
- 3. Employers:** Companies seeking qualified talent with verified skills
- 4. Industry Mentors:** Experienced professionals who evaluate and guide students

### The Problem Dishasetu Solves

#### For Students:

- Difficulty in proving actual skills beyond degrees

- Lack of structured guidance in skill development
- Overwhelming job search with poor matching
- No standardized measure of employability
- Resume quality issues affecting applications

#### **For Employers:**

- Time-consuming screening of unqualified candidates
- Inability to verify claimed skills
- High cost of hiring and training
- Difficulty in campus recruitment coordination
- No reliable employability metrics

#### **For Institutions:**

- Manual and fragmented placement processes
- Lack of visibility into student readiness
- Difficulty in tracking placement outcomes
- Limited employer engagement tools
- No data-driven insights for curriculum improvement

#### **For Mentors:**

- No organized platform to contribute to skill development
- Lack of structured evaluation frameworks
- Limited reach to students needing guidance

### **The Dishasetu Solution**

Dishasetu provides a unified platform where:

- Students build verified skill profiles through project-based assessments
- Skills are validated through mentor-conducted viva sessions
- A standardized employability score (DES) quantifies job-readiness
- Employers access a pre-screened, skill-verified talent pool
- Institutions manage placements with data-driven insights
- Mentors contribute to skill validation in a structured manner

## **For Students**

- 1. Skill Verification:** Demonstrate actual abilities through project completion and viva
- 2. Employability Score:** Quantified metric that improves job prospects
- 3. Better Job Matching:** AI-powered recommendations based on skills and DES
- 4. Professional Resumes:** ATS-optimized resume generation from profile
- 5. Career Guidance:** Access to industry mentors for guidance
- 6. Transparent Process:** Track every application and interview
- 7. Privacy Control:** Decide what employers can see

## **For Employers**

- 1. Verified Talent:** Access candidates with proven skills
- 2. Quality Filtering:** Filter by DES score to focus on qualified candidates
- 3. Time Savings:** Reduced screening time through pre-verification
- 4. Better Matches:** Algorithm suggests best-fit candidates
- 5. Streamlined Hiring:** Complete hiring pipeline in one platform
- 6. Campus Access:** Direct connection to institutional talent pools
- 7. Analytics:** Data-driven insights into hiring performance

## **For Institutions (TPO)**

- 1. Centralized Management:** Manage entire batch of students in one place
- 2. Performance Visibility:** Real-time DES tracking for all students
- 3. Placement Tracking:** Comprehensive placement statistics and reporting
- 4. Employer Engagement:** Coordinate campus drives and employer visits
- 5. Data-Driven Decisions:** Analytics to improve training programs
- 6. Compliance:** Automated reporting for accreditation bodies
- 7. Student Development:** Identify at-risk students needing support

## **For Mentors**

- 1. Structured Platform:** Organized evaluation and mentorship framework
- 2. Flexible Engagement:** Choose projects and students to mentor
- 3. Professional Recognition:** Build reputation through ratings and reviews

**4. Contribution to Education:** Give back to student community

**5. Performance Tracking:** View impact of mentorship on student success

## 1.3 User Ecosystem

### Primary Users

#### Students (-1 Tier: Job-Ready)

- Final year college students
- Fresh graduates (0-2 years experience)
- Career switchers seeking entry-level roles
- Age range: 18-28 years
- Tech-savvy, mobile-first users
- Seeking internships and full-time positions

#### Employers

- HR Managers and Recruiters
- Hiring Managers and Department Heads
- Startup founders to large enterprise teams
- Industries: IT, Consulting, Finance, Manufacturing, etc.
- Seeking fresh talent and entry-level professionals
- Looking for skill-verified candidates

#### Educational Institutions

- Colleges and Universities
- Training & Placement Officers (TPOs)
- Career counselors
- Department coordinators
- Private training institutes
- Government skill development centers

#### Mentors

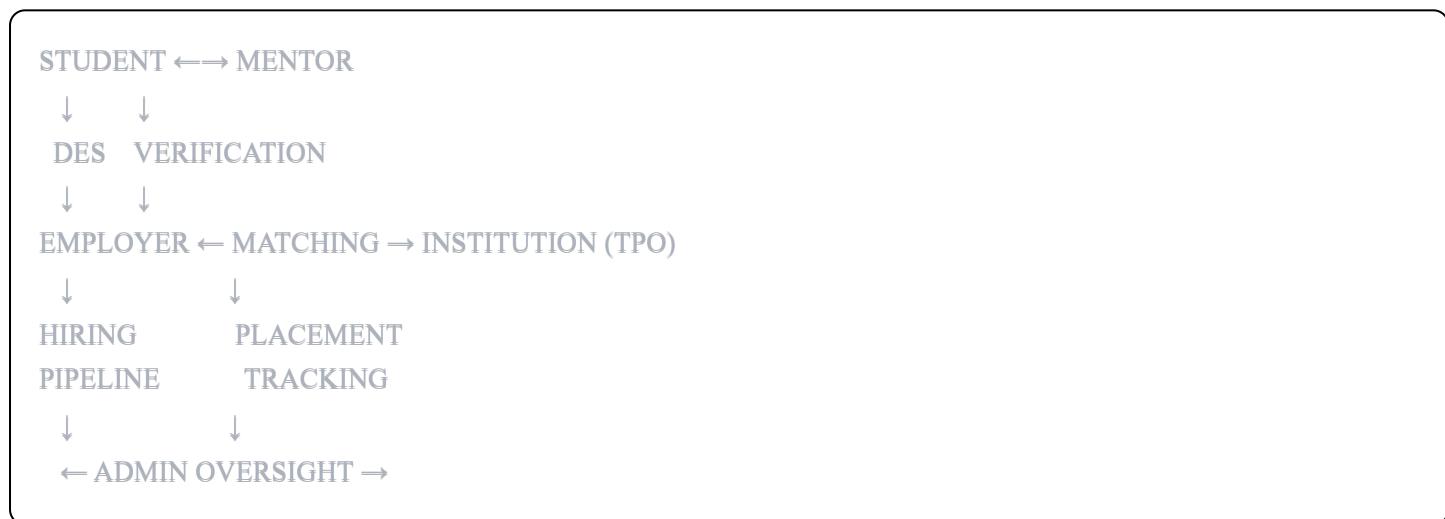
- Industry professionals with 5+ years experience
- Subject matter experts
- Technical leads and architects

- Entrepreneurs and consultants
- Retired professionals willing to contribute
- Domain specialists (AI, Cloud, Finance, etc.)

## Platform Administrators

- Internal Dishasetu operations team
- Verification specialists
- Content moderators
- Support staff
- System administrators
- Compliance officers

## User Interaction Model



## 1.4 Key Differentiators

### 1. DES (Dishasetu Employability Score)

**What It Is:** A comprehensive 0-100 score that quantifies a student's job readiness based on:

- Verified technical skills (40%)
- Project completion quality (30%)
- Soft skills assessment (15%)
- Challenge participation (10%)
- Mentor endorsements (5%)

### Why It Matters:

- First standardized employability metric in India

- Moves beyond GPA/percentage to actual skills
- Employers can filter by DES threshold
- Students see exactly how to improve
- Transparent and auditable calculation

## **2. Skill Verification Through Viva**

**What It Is:** Students must:

1. Complete a hands-on project in their chosen skill
2. Submit deliverables (code, documentation, demo)
3. Pass a mentor-conducted viva (oral examination)
4. Receive verification badge only after passing

**Why It Matters:**

- Prevents false skill claims on resumes
- Validates not just knowledge but practical application
- Live interaction tests communication and understanding
- Mentor evaluation adds credibility
- Creates trust for employers

## **3. Institutional Integration**

**What It Is:** Built-in features for TPOs to:

- Onboard entire batches of students
- Monitor DES across batches
- Track placement outcomes
- Coordinate campus drives
- Generate accreditation reports

**Why It Matters:**

- First platform designed for institutional scale
- Bridges gap between colleges and industry
- Provides data for curriculum improvement
- Simplifies placement cell operations
- Enables better employer-institution partnerships

### **What It Is:** Students control:

- Profile visibility (public/private/institutional)
- Contact detail sharing
- Resume analytics tracking
- DES visibility to employers
- Communication preferences

### **Why It Matters:**

- Addresses privacy concerns in Indian context
- DPDP/GDPR compliant by design
- Students share data on their terms
- Builds trust and adoption
- Prevents spam and unwanted contact

## **5. End-to-End Hiring Pipeline**

### **What It Is:** Complete hiring workflow from:

- Job posting → Candidate discovery → Screening
- Interview scheduling → Evaluation → Offer management
- All in one platform with team collaboration

### **Why It Matters:**

- Reduces tool fragmentation for employers
- Better candidate experience (no external links)
- Data continuity throughout hiring
- Integrated analytics and insights
- Faster time-to-hire

## **1.5 Platform Metrics and Goals**

### **Year 1 Targets**

- **Students Registered:** 100,000+
- **Active Companies:** 5,000+
- **Verified Mentors:** 1,000+

- **Partner Institutions:** 200+
- **Jobs Posted:** 50,000+
- **DES Activations:** 60,000+ (60% of students)
- **Placements:** 40,000+ (40% placement rate)

## Quality Metrics

- **Profile Completion:** >80% of students complete profile
- **Resume Generation:** >70% create resumes
- **Skill Verification:** >60% attempt verification projects
- **Application Success:** >15% application-to-interview conversion
- **Employer Satisfaction:** >4.0/5.0 rating
- **Student Satisfaction:** >4.0/5.0 rating
- **Platform Uptime:** >99.5%

## Business Impact

- **Time-to-Hire Reduction:** 30% faster than traditional methods
  - **Screening Efficiency:** 50% reduction in time spent screening
  - **Salary Improvement:** 20% higher packages for DES-verified students
  - **Placement Rate:** 15% higher placement rate for partner institutions
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# SECTION 2: USER ROLES & PERSONAS

## 2.1 Student Role (Job-Ready Candidates)

**Primary Persona: "Rahul - The Job Seeker"**

**Demographics:**

- Age: 22 years
- Education: B.Tech (Computer Science), Final Year
- College: Tier-2 engineering college in Pune
- Current Status: Seeking full-time software engineering roles
- Technical Skills: Java, Python, Web Development (self-learned)
- Experience: 1 internship, 2 college projects

**Goals:**

- Get placed in a good IT company
- Prove his skills beyond his college GPA (7.2/10)
- Stand out among thousands of applicants
- Get interview calls from reputed companies
- Secure a package of ₹6-8 LPA

### **Challenges:**

- College placement cell has limited company tie-ups
- Resume gets rejected despite having good projects
- Can't demonstrate skills in job applications
- Overwhelmed by hundreds of job postings
- Doesn't know how to improve job prospects
- Lacks professional guidance

### **How Dishasetu Helps Rahul:**

1. Create verified skill profile with project demonstrations
2. Get DES score that highlights his capabilities
3. Generate ATS-optimized resume that passes screening
4. Receive job recommendations matching his skills
5. Track all applications in one place
6. Get interview preparation resources
7. Prove skills through mentor-verified projects

### **Secondary Persona: "Priya - The Career Switcher"**

#### **Demographics:**

- Age: 26 years
- Education: B.Com, working in accounts department
- Current Status: Learning digital marketing, wants to switch careers
- Location: Bangalore
- Experience: 3 years in accounting, 6 months digital marketing courses

#### **Goals:**

- Transition from accounting to digital marketing
- Build credible profile in new field
- Get internship or entry-level marketing role
- Prove newly learned skills to employers
- Connect with mentors in marketing field

### **Challenges:**

- No formal degree in marketing
- Employers skeptical about career switch
- Can't prove practical skills in digital marketing
- Difficult to compete with marketing graduates
- No professional network in marketing

### **How Dishasetu Helps Priya:**

1. Build skills portfolio through marketing projects
2. Get mentor verification in digital marketing
3. Build DES in marketing skills
4. Access marketing-focused job listings
5. Connect with marketing mentors for guidance
6. Prove skills through project demonstrations

### **User Journey Expectations**

#### **What Students Expect:**

- **Simple Registration:** Quick sign-up with minimal friction
- **Profile Guidance:** Clear instructions on what to add
- **Easy Resume Creation:** Template-based, no design skills needed
- **Clear Skill Verification Process:** Understand how to get verified
- **Relevant Job Recommendations:** Not spam or irrelevant postings
- **Application Tracking:** See status of every application
- **Privacy Controls:** Decide what information to share
- **Mobile-Friendly:** Use platform on phone during commute
- **No Spam:** Control who can contact them

## **Success Indicators for Students:**

- Profile completed within 30 minutes
- First resume generated within 1 hour
- First project verification attempted within 1 week
- DES activated within 2 weeks
- First job application within 3 days of joining
- Interview scheduled within 1 month
- Job offer received within 3 months

## **2.2 Employer / Company Representative**

### **Primary Persona: "Sneha - The Recruiter"**

#### **Demographics:**

- Age: 29 years
- Role: Senior Recruiter
- Company: Mid-sized IT services company (500 employees)
- Location: Hyderabad
- Experience: 5 years in recruitment
- Responsibility: Hiring 50+ freshers annually

#### **Goals:**

- Find qualified candidates quickly
- Reduce time spent on screening unqualified applicants
- Improve quality of hire
- Fill positions within 30-day timeline
- Build talent pipeline for future openings
- Coordinate with hiring managers efficiently

#### **Challenges:**

- Receives 500+ applications per job posting
- 80% of applicants don't meet basic criteria
- Difficult to verify skills claimed on resumes
- Hiring managers complain about candidate quality

- Juggling multiple tools (job boards, ATS, email)
- Campus recruitment is time-consuming and hit-or-miss

### **How Dishasetu Helps Sneha:**

1. Access pre-screened, skill-verified candidates
2. Filter by DES score to focus on qualified talent
3. See verified skills, not just claims
4. Get AI-matched candidates for each job
5. Manage entire hiring process in one platform
6. Coordinate with hiring managers seamlessly
7. Access multiple colleges through institutional partnerships

### **Secondary Persona: "Amit - The Startup Founder"**

#### **Demographics:**

- Age: 32 years
- Role: Co-founder & CTO
- Company: Early-stage tech startup (15 people)
- Location: Mumbai
- Looking for: 5 software engineers and 2 designers

#### **Goals:**

- Find high-quality talent within limited budget
- Assess technical skills accurately
- Hire quickly (can't afford long hiring cycles)
- Build a skilled team for product development
- Find candidates who fit startup culture

#### **Challenges:**

- Limited employer branding, not well-known
- Can't compete on salary with large companies
- Need to assess skills accurately (high cost of bad hire)
- Limited time for extensive interviews
- Small HR bandwidth (doing hiring himself)

## **How Dishasetu Helps Amit:**

1. Filter for verified technical skills
2. Save time with pre-screened candidates
3. Review projects and demos before interview
4. Conduct efficient interviews with qualified candidates
5. Make data-driven hiring decisions using DES
6. Build talent pipeline for future hiring

## **User Journey Expectations**

### **What Employers Expect:**

- **Quick Setup:** Get started posting jobs within 30 minutes
- **Quality Candidates:** Fewer but better-qualified applicants
- **Easy Screening:** Quick way to identify top candidates
- **Collaboration Tools:** Work with hiring managers easily
- **Interview Scheduling:** Seamless calendar integration
- **Analytics:** Understand hiring funnel performance
- **Fair Pricing:** Affordable for companies of all sizes

### **Success Indicators for Employers:**

- First job posted within 1 day of registration
- Receive first applications within 24 hours
- 50% reduction in screening time
- Higher interview-to-offer conversion rate
- Positions filled 30% faster
- Higher quality of hire (measured by performance reviews)

## **2.3 Hiring Manager**

**Primary Persona: "Vikram - The Engineering Manager"**

### **Demographics:**

- Age: 35 years
- Role: Engineering Manager

- Company: Product company
- Team Size: 15 engineers
- Location: Bangalore
- Looking to hire: 3 junior engineers

### **Goals:**

- Assess technical competency accurately
- Find candidates who can ramp up quickly
- Ensure cultural fit with existing team
- Make informed hiring decisions
- Balance hiring with managing current team

### **Challenges:**

- Limited time for interviews
- Difficult to assess actual coding skills in interviews
- Recruiters send unqualified candidates
- Need to coordinate with multiple interviewers
- Want to see actual work, not just talk
- Making hiring decisions with incomplete information

### **How Dishasetu Helps Vikram:**

1. Review verified projects before interview
2. See technical assessments conducted by mentors
3. Access structured evaluation forms
4. Collaborate with recruiters on candidate assessment
5. Compare candidates side-by-side
6. Focus interview time on cultural fit and problem-solving

### **User Journey Expectations**

#### **What Hiring Managers Expect:**

- **Assigned Candidates:** Only see relevant candidates for their roles
- **Project Access:** Review actual work samples
- **Structured Evaluation:** Clear framework for assessment

- **Collaboration:** Easy communication with recruiters
- **Decision Support:** Data to make confident hiring decisions
- **Time Efficiency:** Streamlined interview process

### **Success Indicators:**

- Interview only pre-qualified candidates
- 50% reduction in interview time per candidate
- Higher offer acceptance rate
- Better new hire performance
- Improved hiring manager satisfaction

## **2.4 Mentor / Skill Evaluator**

### **Primary Persona: "Deepak - The Technical Mentor"**

#### **Demographics:**

- Age: 38 years
- Role: Principal Engineer at tech company
- Expertise: Cloud Architecture, DevOps
- Location: NCR
- Experience: 15 years in industry
- Motivation: Give back to student community

#### **Goals:**

- Help students develop practical skills
- Evaluate skills objectively
- Guide career development
- Build professional reputation
- Flexible engagement (not full-time commitment)
- Contribute to education ecosystem

#### **Challenges:**

- Limited time (working full-time)
- No organized platform to mentor

- Difficult to find students needing guidance
- Want structured evaluation framework
- Need recognition for contribution

### **How Dishasetu Helps Deepak:**

1. Choose projects to evaluate based on expertise and availability
2. Use structured rubrics for objective evaluation
3. Conduct viva sessions at convenient times
4. Track impact through student success
5. Build reputation through ratings and reviews
6. Flexible commitment (evaluate when available)
7. Professional recognition for contribution

### **Secondary Persona: "Lakshmi - The Retired Professional"**

#### **Demographics:**

- Age: 62 years
- Former Role: HR Director
- Expertise: Soft skills, Communication, Leadership
- Current Status: Retired, wants to stay engaged
- Motivation: Share 35 years of experience

#### **Goals:**

- Help students with soft skills development
- Evaluate communication and professionalism
- Provide career guidance
- Stay intellectually engaged
- Contribute to society

### **How Dishasetu Helps Lakshmi:**

1. Evaluate soft skills projects and presentations
2. Conduct viva sessions remotely
3. Offer career mentorship sessions
4. Flexible scheduling

5. Focus on her areas of expertise

6. Connect with motivated students

## User Journey Expectations

### What Mentors Expect:

- **Clear Expectations:** Understand time commitment and process
- **Quality Students:** Serious students who value mentorship
- **Structured Process:** Clear evaluation criteria
- **Flexible Scheduling:** Choose when to conduct evaluations
- **Recognition:** Ratings, reviews, and platform reputation
- **Easy Platform:** Simple, intuitive evaluation tools
- **Professional Environment:** Respectful interactions

### Success Indicators:

- Complete onboarding within 1 day
- First evaluation within 1 week
- 4+ star average rating from students
- Regular evaluation requests
- Positive impact on student DES scores
- Professional satisfaction from contribution

## 2.5 Platform Administrator

### Primary Persona: "Ananya - The Admin Operations Manager"

#### Demographics:

- Age: 28 years
- Role: Platform Operations Manager
- Team: 5 moderators, 3 support staff
- Location: Dishasetu HQ
- Responsibility: Platform safety, quality, compliance

#### Goals:

- Maintain platform integrity and quality
- Verify users quickly and accurately

- Detect and prevent fraud
- Respond to user issues promptly
- Ensure compliance with regulations
- Keep platform running smoothly

### **Challenges:**

- High volume of verification requests
- Need to detect fake companies and profiles
- Balance speed with accuracy in verifications
- Handle escalations from users
- Maintain platform standards
- Respond to emergencies

### **How Dishasetu Platform Helps Ananya:**

1. Automated fraud detection flags suspicious activity
2. Centralized verification queue with prioritization
3. Complete user activity history for investigations
4. Tools to suspend/ban accounts
5. Analytics to monitor platform health
6. Emergency response features

### **User Journey Expectations**

#### **What Admins Expect:**

- **Comprehensive Dashboard:** All metrics at a glance
- **Efficient Workflows:** Quick verification processes
- **Investigation Tools:** Access to complete user data
- **Action Controls:** Easy suspend/approve/reject actions
- **Audit Trails:** Complete logs of all actions
- **Alert System:** Notified of critical issues
- **Support Tools:** Help resolve user problems

#### **Success Indicators:**

- 90% of verifications within 24 hours
- 85% fraud detection rate
- <1 hour response time for critical issues
- <2% false positive rate on fraud
- Platform uptime >99.5%
- User satisfaction >4/5

## **2.6 Training & Placement Officer (TPO)**

**Primary Persona: "Dr. Sharma - The TPO"**

**Demographics:**

- Age: 45 years
- Role: Training & Placement Officer
- Institution: Engineering college, 1200 students
- Location: Jaipur
- Responsibility: Placement for 300 final-year students
- Experience: 10 years as TPO

**Goals:**

- Achieve >70% placement rate
- Attract quality companies to campus
- Track and improve student employability
- Generate reports for college administration
- Coordinate campus drives efficiently
- Improve average package

**Challenges:**

- Managing 300 students manually is overwhelming
- Difficult to track which students need help
- Limited visibility into student skill levels
- Employers complain about candidate quality
- Time-consuming to coordinate campus drives
- Creating reports manually takes days

- Students not serious about placements

### **How Dishasetu Helps Dr. Sharma:**

1. Onboard entire batch with CSV upload
2. Real-time DES tracking for all students
3. Identify at-risk students automatically
4. Track all placement activities in one place
5. Coordinate campus drives digitally
6. Generate reports with one click
7. Demonstrate value to employers

### **Secondary Persona: "Meera - The Career Counselor"**

#### **Demographics:**

- Age: 32 years
- Role: Career Counselor
- Institution: Business school, 500 students
- Focus: Career guidance and placement prep
- Location: Chennai

#### **Goals:**

- Help students identify career paths
- Improve interview readiness
- Connect students with mentors
- Monitor individual student progress
- Provide personalized guidance

### **How Dishasetu Helps Meera:**

1. Detailed student profiles showing strengths/gaps
2. DES breakdown to identify improvement areas
3. Track skill development progress
4. Connect students with mentors
5. Monitor interview performance
6. Personalized recommendations for each student

## User Journey Expectations

### What TPOs Expect:

- **Bulk Operations:** Upload 100s of students at once
- **Dashboard View:** See all students at a glance
- **Performance Tracking:** Monitor DES and skills
- **Placement Recording:** Easy to mark placements
- **Employer Coordination:** Manage campus drives
- **Comprehensive Reports:** One-click report generation
- **Communication Tools:** Announce to batches
- **Mobile Access:** Check status on the go

### Success Indicators:

- Full batch onboarded in <2 hours
- Real-time visibility into all students
- 20% improvement in placement rate
- 50% time savings on reporting
- Better employer satisfaction
- Data-driven interventions for at-risk students

## 2.7 Employer Admin (HR Manager)

### Primary Persona: "Rajesh - The HR Manager"

#### Demographics:

- Age: 40 years
- Role: HR Manager / Head of Talent Acquisition
- Company: Large IT services company (5000+ employees)
- Team: 8 recruiters, 3 coordinators
- Annual Hiring: 500+ freshers
- Location: Pune

#### Goals:

- Manage large-scale campus recruitment

- Build talent pipeline
- Optimize hiring costs
- Ensure hiring quality
- Manage team performance
- Report hiring metrics to leadership

### **Challenges:**

- Coordinating multiple recruiters
- Inconsistent evaluation standards
- Difficulty tracking hiring pipeline
- Campus drives are resource-intensive
- Need better data for decision-making
- Ensuring compliance with hiring policies

### **How Dishasetu Helps Rajesh:**

1. Centralized control over all company hiring
2. Manage team permissions and assignments
3. Standardized evaluation processes
4. Complete hiring analytics
5. Coordinate multiple campus drives
6. Build and manage talent pools
7. Executive-level reporting

### **User Journey Expectations**

#### **What Employer Admins Expect:**

- **Complete Control:** Manage all hiring activities
- **Team Management:** Add/remove recruiters easily
- **Role-Based Access:** Different permissions for different roles
- **Pipeline Visibility:** See all open positions and candidates
- **Advanced Analytics:** Hiring metrics and trends
- **Bulk Actions:** Manage multiple jobs simultaneously
- **Integration:** Connect with internal HRMS

- **Compliance Tools:** Ensure policy adherence

## Success Indicators:

- Full team onboarded in 1 day
  - 40% improvement in hiring efficiency
  - Standardized hiring process
  - Better data-driven decisions
  - Reduced cost-per-hire
  - Improved offer acceptance rate
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# SECTION 3: STUDENT FEATURES (DETAILED)

## 3.1 Account Creation & Onboarding

### Feature Overview

The account creation process is the student's first interaction with Dishasetu. It must be simple, fast, and establish trust while collecting essential information.

#### 3.1.1 Registration Methods

##### Email Registration

**Feature Description:** Students can register using their email address (personal or college email).

##### User Flow:

1. Student lands on homepage/registration page
2. Clicks "Sign Up" button
3. Registration form displays:
  - Full Name (First Name + Last Name fields)
  - Email Address (with validation)
  - Password (minimum 8 characters, with strength indicator)
  - Confirm Password
  - Checkbox: "I agree to Terms of Service and Privacy Policy"
  - CAPTCHA (to prevent bot registrations)
4. Student fills form and clicks "Create Account"
5. System validates all fields:

- Name is not empty
- Email is valid format
- Email is not already registered
- Password meets requirements
- Passwords match
- Terms checkbox is checked

6. If validation passes:

- Account created with "unverified" status
- Verification email sent immediately
- Student redirected to "Verify Your Email" page

7. If validation fails:

- Error messages displayed inline (field-specific)
- Student corrects and resubmits

### **Email Verification Process:**

1. Student receives email with subject: "Verify your Dishasetu account"

2. Email contains:

- Welcome message
- "Verify Email" button (prominent CTA)
- 6-digit verification code (as backup)
- Link expiry notice (24 hours)
- Support contact information

3. Student clicks button or enters code

4. System verifies token/code:

- If valid: Email marked as verified, student redirected to profile setup
- If expired: Option to resend verification email
- If invalid: Error message with option to request new code

5. Student can resend verification email from "Verify Your Email" page

### **Business Rules:**

- Email must be unique across platform

- Email verification required before full platform access
- Verification link expires in 24 hours
- Maximum 5 resend requests per hour (anti-spam)
- Password must contain: min 8 chars, 1 uppercase, 1 lowercase, 1 number
- Account creation rate limited to prevent abuse

### Edge Cases:

- **Typo in email:** Provide option to change email before verification
- **Email not received:** Clear instructions to check spam, whitelist sender
- **Already registered email:** Clear message "Email already registered" with link to login
- **Institution email required:** Option to verify if institution requires @college.edu format

## Mobile Registration

**Feature Description:** Students can register using their mobile number for SMS-based verification.

### User Flow:

1. Student selects "Sign Up with Mobile" option
2. Form displays:
  - Full Name
  - Mobile Number (with country code selector, default +91 for India)
  - Password
  - Terms checkbox
  - CAPTCHA
3. Student fills and submits
4. System validates:
  - Mobile number format correct
  - Mobile not already registered
  - Other standard validations
5. OTP sent via SMS to mobile number
6. OTP verification screen:
  - Enter 6-digit OTP
  - Timer showing expiry (5 minutes)

- "Resend OTP" button (enabled after 30 seconds)
- Option to change mobile number

7. Student enters OTP

8. If correct: Account created and verified, redirect to profile setup
9. If incorrect: Error message, allow 3 more attempts before temporary block

### **Business Rules:**

- OTP valid for 5 minutes
- Maximum 3 incorrect OTP attempts (then 15-minute cooldown)
- Maximum 5 OTP resend requests per hour
- Mobile number must be unique
- SMS delivery confirmation tracking
- Cost management for SMS gateway

### **Edge Cases:**

- **OTP not received:** Alternate verification via email option
- **Wrong number entered:** Allow change before OTP expiry
- **International numbers:** Support but may require email verification too
- **Temporary number issues:** Provide email as backup

## **Social Login (Google)**

**Feature Description:** One-click registration using Google account.

### **User Flow:**

1. Student clicks "Continue with Google" button
2. Google OAuth popup opens
3. Student selects Google account or signs in
4. Google asks for permissions:
  - Basic profile info (name, email, photo)
  - Email address
5. Student grants permission
6. System receives:
  - Name

- Email (automatically verified)
- Profile photo

7. System checks if email already exists:

- If yes: Log user in (treated as login, not registration)
- If no: Create new account

8. Student redirected to profile setup

9. No password needed (passwordless account)

### **Business Rules:**

- Email from Google pre-verified (no separate verification needed)
- Profile photo automatically set
- Account linked to Google ID
- Can add password later for direct login
- Google OAuth token stored securely

### **Edge Cases:**

- **Google account without email:** Rare, but prompt for email
- **Email mismatch:** If user already registered with same email via different method
- **OAuth failure:** Clear error message, fallback to email registration
- **Account linking:** If student later wants to link existing account to Google

### **Social Login (LinkedIn)**

**Feature Description:** Professional registration using LinkedIn profile.

### **User Flow:**

1. Student clicks "Continue with LinkedIn" button
2. LinkedIn OAuth flow
3. Automatically imports:
  - Name
  - Email
  - Current education
  - Work experience (if any)
  - Skills listed on LinkedIn

- Profile photo
4. Account created with pre-filled professional information
  5. Student reviews and confirms imported data
  6. Redirect to complete remaining profile fields

### **Benefits:**

- Faster profile completion
- Professional information pre-verified
- Credibility from LinkedIn association
- Work experience auto-populated

### **Business Rules:**

- LinkedIn data treated as draft (student can edit)
- Email from LinkedIn pre-verified
- Professional experience given higher weight
- Skills imported but need verification

## **3.1.2 Welcome & Onboarding Flow**

### **Welcome Screen**

**Feature Description:** After account creation, students see a welcoming introduction to Dishasetu.

### **Screen Content:**

#### **1. Welcome Message:**

- "Welcome to Dishasetu, [Name]!"
- Brief value proposition

#### **2. What Happens Next:**

- Complete your profile (15 minutes)
- Verify your skills through projects
- Get your DES score
- Start applying to jobs

#### **3. Quick Stats:**

- "Join 50,000+ students"
- "5,000+ companies hiring"

- "Average placement package: ₹6.5 LPA"

**4. CTA Button:** "Complete Your Profile" (prominent)

**5. Skip Option:** "I'll do this later" (less prominent)

### **Business Rules:**

- Shown only once per user
- Cannot be dismissed if profile <20% complete
- Tracks viewing analytics

### **Profile Completion Wizard**

**Feature Description:** Step-by-step guided process to complete essential profile information.

#### **Step 1: Personal Information** Fields:

- Profile Photo (upload or skip)
- Date of Birth (calendar picker)
- Gender (dropdown: Male/Female/Other/Prefer not to say)
- Current Location (City, State - with autocomplete)
- About Me / Bio (300 character text area)

#### Help Text:

- "A complete profile gets 3x more views from employers"
- Example bio provided
- Photo guidelines (professional, clear face, appropriate)

#### Validation:

- DOB must make student 18+ years old
- Location must be valid Indian city/state
- Bio optional but recommended

Progress Indicator: "Step 1 of 5 - Personal Info"

#### **Step 2: Education Feature:** Add Current Education

#### Fields:

- Degree/Qualification (dropdown: B.Tech, B.E., BCA, M.Tech, MCA, MBA, etc.)
- Branch/Specialization (dependent dropdown based on degree)

- Institution Name (searchable dropdown with popular institutions, or "Other" to enter manually)
- Currently Studying (checkbox)
- Start Year (dropdown: 2015-2025)
- Expected Graduation Year (dropdown: 2024-2029)
- GPA/Percentage (number input)
  - Radio: CGPA (0-10 scale) or Percentage (0-100)
- Major Subjects/Coursework (multi-select tags)

#### Add Previous Education (Optional):

- Button: "+ Add Previous Education"
- Same fields repeated
- For Class 12th, Class 10th, etc.

#### Help Text:

- "Employers value academic performance"
- "Add major projects or achievements"

#### Validation:

- At least one education entry required
- Graduation year must be after start year
- If "Currently Studying" checked, graduation year must be future
- GPA must be valid for selected scale

#### Sample Education Entry Display:

B.Tech in Computer Science  
 ABC Institute of Technology, Bangalore  
 2020 - 2024 (Expected)  
 CGPA: 8.2/10

#### Step 3: Skills Feature: Add Technical and Soft Skills

#### Interface:

- Search bar: "Type to search skills"
- Popular skills shown as chips/tags
- Categories:

- Programming Languages (Java, Python, C++, JavaScript, etc.)
- Web Technologies (HTML, CSS, React, Node.js, etc.)
- Databases (MySQL, MongoDB, PostgreSQL, etc.)
- Tools (Git, Docker, AWS, etc.)
- Soft Skills (Communication, Leadership, Teamwork, etc.)

For Each Skill:

- Skill name
- Proficiency level (Beginner / Intermediate / Advanced / Expert)
- Verification status badge (Unverified / Verified)

Interaction:

1. Student types skill name
2. Autocomplete suggestions appear
3. Student selects skill
4. Proficiency level selector appears
5. Skill added to profile with "Unverified" badge
6. Visual indicator: "Get verified to boost your DES!"

#### **Skill Verification Prompt:**

- Next to each skill: "Verify this skill" link
- Clicking shows available verification projects
- Preview of how verification increases DES

Help Text:

- "Add at least 5 skills"
- "Verified skills get you noticed by employers"
- "Be honest about proficiency levels"

Minimum Requirement:

- At least 3 skills to proceed
- Recommended: 8-10 skills

#### **Step 4: Experience** (Optional but Recommended)

## **Internship/Work Experience:** Fields:

- Company Name
- Job Title/Role
- Employment Type (Full-time / Internship / Part-time / Freelance)
- Currently Working (checkbox)
- Start Date (Month + Year)
- End Date (Month + Year, or "Present")
- Location (City)
- Description (500 character text area)
  - Responsibilities
  - Achievements
  - Technologies used
- Skills Used (multi-select from profile skills)

## **Add Multiple Experiences:**

- Button: "+ Add Another Experience"
- Can add up to 10 experiences

## Help Text:

- "Even a 2-month internship counts!"
- "Mention specific achievements and numbers"
- Example descriptions provided

## **Projects Section:** Fields:

- Project Title
- Description (500 characters)
- Technologies/Tools Used (tags)
- Project Type (Academic / Personal / Hackathon / Freelance)
- Start Date - End Date
- Project URL (optional - GitHub, website, etc.)
- Project Demo URL (optional - video, live demo)
- Role (if team project)

- Team Size (if applicable)

### Add Multiple Projects:

- Button: "+ Add Another Project"
- Can add up to 15 projects

### Help Text:

- "Projects demonstrate practical skills"
- "Include college projects, hackathons, personal projects"
- "Add GitHub links for code review"

## Step 5: Preferences & Goals

### Job Preferences:

- Preferred Job Roles (multi-select):
  - Software Developer
  - Data Analyst
  - Product Manager
  - UI/UX Designer
  - Business Analyst
  - etc.
- Preferred Locations (multi-select cities):
  - Bangalore
  - Mumbai
  - Delhi NCR
  - Hyderabad
  - Pune
  - etc.
- Checkbox: "Open to any location"
- Work Mode Preference (multi-select):
  - Remote
  - Hybrid
  - On-site

- Any
- Expected Salary (range sliders):
  - Minimum: ₹0 - ₹30 LPA
  - Maximum: ₹0 - ₹50 LPA
- Available to Join:
  - Immediately
  - Within 1 month
  - Within 2 months
  - Within 3 months
  - After [date]
- Willing to Relocate: Yes / No / Maybe

#### **Career Goals (Optional):**

- Short-term goal (1 year) - text area
- Long-term goal (5 years) - text area

#### Help Text:

- "Setting preferences helps us recommend relevant jobs"
- "You can always change these later"

#### **Completion Screen: After Step 5:**

- Congratulations message
- Profile completion percentage (should be 60-80% now)
- Next steps highlighted:
  1. Upload/Create Resume
  2. Verify Skills
  3. Complete Profile to 100%
- CTA: "Go to Dashboard"

#### **Progress Tracking: Throughout wizard:**

- Progress bar at top showing "3 of 5 steps complete"
- "Save & Continue" button (saves progress)
- "Back" button to previous step

- "Skip for Now" link (only on optional steps)
- Auto-save every 30 seconds

## **Business Rules:**

- Can exit wizard anytime (progress saved)
- Can return to complete later
- Mandatory steps: Personal Info, Education, Skills
- Optional steps can be skipped but encouraged
- Profile completeness score calculated in real-time

### **3.1.3 Profile Completeness Score**

**Feature Description:** A percentage score (0-100%) showing how complete the student's profile is, encouraging full completion.

#### **Calculation:**

- Personal Info (20 points):
  - Photo: 5 points
  - DOB: 3 points
  - Gender: 2 points
  - Location: 5 points
  - Bio: 5 points
- Education (20 points):
  - Current education: 15 points
  - Previous education: 5 points
- Skills (20 points):
  - 3+ skills: 10 points
  - 8+ skills: 15 points
  - 12+ skills: 20 points
- Experience (15 points):
  - 1 experience: 8 points
  - 2+ experiences: 12 points
  - 3+ experiences: 15 points
- Projects (15 points):

- 1 project: 8 points
- 3+ projects: 12 points
- 5+ projects: 15 points
- Preferences (10 points):
  - Job preferences set: 5 points
  - Location preferences set: 3 points
  - Salary expectations set: 2 points

### **Visual Display:**

- Circular progress indicator showing percentage
- Color-coded:
  - 0-40%: Red (Incomplete)
  - 41-70%: Orange (Good Progress)
  - 71-90%: Yellow (Almost There)
  - 91-100%: Green (Complete)
- Shows in profile header
- Tooltip on hover shows breakdown

### **Prompts to Complete:**

- Dashboard widget: "Complete your profile (65%)"
- Shows missing sections
- One-click navigation to incomplete sections
- Periodic reminders (not intrusive)

### **Employer View Impact:**

- Employers can filter by profile completeness
- Incomplete profiles (<60%) may be deprioritized in search
- Complete profiles get 3x visibility badge

## **3.2 Profile Management System**

### **3.2.1 Profile Dashboard**

**Feature Description:** Central hub for students to view and manage their profile information.

#### **Dashboard Layout:**

## **Header Section:**

- Profile photo (large, clickable to change)
- Name (editable inline)
- Headline (e.g., "B.Tech Student | Java Developer | Seeking SDE Role")
  - Auto-generated from profile, editable
- Location
- Profile completeness circle
- Quick actions:
  - Edit Profile button
  - View as Employer (see how profile looks to employers)
  - Share Profile (get public link)

## **Profile URL:**

- Format: dishasetu.com/profile/[username] or /profile/[unique-id]
- Customizable username option
- Copy link button

## **Left Sidebar - Quick Stats:**

- DES Score (large, prominent)
  - Color-coded badge
  - "View Breakdown" link
- Profile Views (this week/month)
- Employer Searches (appeared in X searches)
- Application Status Summary:
  - X Active Applications
  - Y Interview Scheduled
  - Z Offers Received

## **Main Content Area - Profile Sections:**

### **About Section:**

- Bio text (300 characters)
- Edit icon on hover

- If empty: "Add a bio to introduce yourself to employers"

## **Education Section:**

- Timeline view of education history
- Each entry shows:
  - Degree icon
  - Degree name and specialization
  - Institution name with logo (if available)
  - Duration (Start - End)
  - GPA/Percentage
  - Major coursework (expandable)
- Actions:
  - Edit button (pencil icon)
  - Delete button (trash icon)
  - Reorder (drag handle)
- Add New Education button

## **Skills Section:**

- Grid/chip display of all skills
- Each skill shows:
  - Skill name
  - Proficiency level (color-coded)
  - Verification status (badge)
- Filters:
  - All Skills
  - Verified Only
  - Unverified
  - By Category (Technical, Soft Skills, Tools)
- Sort by:
  - Proficiency
  - Verification status
  - Recently added

- "Verify Skills" prominent CTA for unverified skills
- Add New Skill button

## **Experience Section:**

- Card-based layout for each experience
- Each card shows:
  - Company logo (if available)
  - Job title (bold)
  - Company name
  - Duration + location
  - Employment type badge
  - Description (collapsible if long)
  - Skills used (clickable tags)
- Timeline visualization for multiple experiences
- Actions: Edit, Delete, Reorder
- Add New Experience button

## **Projects Section:**

- Card grid (2-3 columns on desktop)
- Each project card:
  - Project thumbnail (if image provided)
  - Project title (bold)
  - Tech stack badges
  - Brief description (truncated)
  - Links:
    - GitHub icon (if link provided)
    - Demo icon (if link provided)
    - Details button
  - Project type badge (Academic/Personal/Hackathon)
  - Verification status (if verified)
- Add New Project button

- "Showcase Best Projects" - pin up to 3 projects to top

### Certifications Section:

- List view with certificate icon
- Each certification shows:
  - Certificate name
  - Issuing organization logo
  - Issue date
  - Expiry date (if applicable)
  - Credential ID
  - Verification link (if available)
  - View Certificate button (opens PDF/image)
- Add New Certification button

### Languages Section:

- List with proficiency bars
- Each language:
  - Language name
  - Proficiency level (Basic/Conversational/Fluent/Native)
  - Visual proficiency bar
- Add Language button

### Preferences Section (Collapsed by default):

- Job preferences
- Location preferences
- Work mode
- Salary expectations
- Availability
- Edit Preferences button

### Right Sidebar - Actions & Insights:

#### Profile Strength Meter:

- Visual indicator of profile quality

- Factors:
  - Completeness: 70%
  - Skill verification: 50%
  - Experience: 60%
  - Projects: 80%
- Overall: "Strong Profile" / "Good Profile" / "Needs Improvement"
- Suggestions to improve

### **Quick Actions:**

- Create/Update Resume
- Verify Skills
- Add Experience
- Apply to Jobs
- Message TPO (if from institution)

### **Profile Insights (Analytics):**

- Graph of profile views over time
- Top skills employers searched for
- Profile view sources (job applications, searches, recommendations)
- Demographic of viewers (companies, roles)

### **Activity Feed:**

- Recent activity on profile:
  - "Your profile appeared in 5 searches today"
  - "2 employers viewed your profile"
  - "Your DES increased by 3 points"
  - "You completed Java skill verification"

## **3.2.2 Edit Profile Features**

### **Inline Editing:**

- Hover over any field shows edit icon
- Click to edit in-place
- Auto-save on blur (moving to next field)

- Visual confirmation of save (green checkmark)
- Undo option for recent changes

### **Bulk Edit Mode:**

- "Edit Profile" button enters edit mode
- All sections editable simultaneously
- "Save All Changes" button at top and bottom
- "Cancel" button reverts all unsaved changes
- Confirmation dialog if trying to leave with unsaved changes

### **Rich Text Editor (for descriptions):**

- Basic formatting:
  - Bold, Italic, Underline
  - Bullet points, Numbered lists
  - Links
- Character counter
- Preview mode
- Paste from Word cleanup

### **Image Upload:** For profile photo, project images, certificates:

- Drag & drop area
- Browse button
- Paste from clipboard
- Requirements shown:
  - File type (JPG, PNG)
  - Max size (5MB)
  - Recommended dimensions
- Crop/resize tool after upload
- Preview before saving
- Delete option

### **Date Pickers:**

- Calendar interface for dates

- Month + Year selector for education/experience
- "Present" checkbox for ongoing experience/education
- Validation: End date must be after start date

### **Autocomplete Fields:**

- Institution names (from database of known institutions)
- Company names (from verified companies)
- Skills (from skills taxonomy)
- Cities/Locations (from location database)
- Shows popular options first
- "Not in list?" option to add custom entry

### **Multi-Select Fields:**

- Skills, Technologies, Locations, Job Roles
- Type-to-search
- Selected items shown as removable chips
- "Select All" / "Clear All" options for categories
- Limit displayed (e.g., max 20 skills)

### **Drag-to-Reorder:**

- For experiences, projects, education
- Drag handle appears on hover
- Visual feedback during drag
- "Most Recent First" / "Custom Order" toggle

### **3.2.3 Profile Privacy & Visibility**

**Feature Description:** Students control who can see their profile and what information is visible.

#### **Privacy Settings Page:**

#### **Profile Visibility:**

- Options:
  1. **Public:** Anyone can view profile via link
  2. **Registered Employers Only:** Only employers on platform
  3. **Applied Jobs Only:** Only employers where student applied

#### **4. Private:** Profile not discoverable in searches

- Default: "Registered Employers Only"
- Impact explanation for each option
- "Preview as Employer" button to see how profile looks

#### **Contact Information Sharing:**

- Email Address:
  - Always hidden / Visible to employers / Visible after shortlist
- Phone Number:
  - Always hidden / Visible to employers / Visible after shortlist
- LinkedIn Profile:
  - Hidden / Visible
- GitHub Profile:
  - Hidden / Visible
- Default: Hidden until shortlisted

#### **Resume Visibility:**

- Who can download resume:
  - Anyone with link
  - Registered employers
  - Only applied jobs
  - No one (private)
- Track downloads: Yes/No
- Show download analytics: Yes/No

#### **DES Score Visibility:**

- Show DES to employers: Yes/No
- Show DES breakdown: Yes/No
- Include in job applications automatically: Yes/No
- Default: Yes (DES is key differentiator)

#### **Search Visibility:**

- Appear in employer searches: Yes/No

- Appear in talent pool: Yes/No
- Appear in institution showcases: Yes/No
- Default: Yes

### **Application Privacy:**

- Show application count on profile: Yes/No
- Show companies applied to: Employers only / No one
- Default: No (keep applications private)

### **Activity Visibility:**

- Show last active timestamp: Yes/No
- Show recent activity (skill verifications, updates): Yes/No
- Default: Yes (shows active candidate)

### **Institution Visibility (for college students):**

- Visible to my institution: Yes/No
- Visible to other institutions: Yes/No
- Show in institution placement reports: Yes/No
- Default: Yes to own institution

### **Third-Party Sharing:**

- Allow profile in anonymous analytics: Yes/No
- Allow data for improving recommendations: Yes/No
- Marketing communications: Yes/No
- Default: Analytics Yes, Marketing No

### **Data Export & Deletion:**

- Download all my data (JSON/PDF format)
- Request account deletion
- Deletion process explained:
  - 30-day grace period
  - What data is deleted
  - What data is retained (legal compliance)

### **Visual Indicators on Profile:**

- Lock icon next to private information
- "Hidden from employers" badge
- "Visible to [audience]" labels
- Clear visual feedback on what's visible/hidden

### **3.2.4 Profile Verification**

**Feature Description:** Students verify their identity and credentials to build trust with employers.

**Identity Verification:**

**Document Types Accepted:**

1. Aadhaar Card
2. PAN Card
3. Passport
4. Driving License
5. Voter ID

**Upload Process:**

1. Select document type from dropdown
2. Upload front side photo/scan
3. Upload back side (if applicable)
4. System extracts information:
  - Name
  - Date of Birth
  - ID Number (stored encrypted)
5. Student confirms extracted information
6. Documents sent for verification
7. Status tracking:
  - Submitted
  - Under Review
  - Verified ✓
  - Rejected (with reason)

**Verification Benefits Display:**

- "Verified" badge on profile
- Higher trust score
- Priority in employer searches
- Access to premium job listings

### **Academic Verification:**

#### **Degree/Marksheet Upload:**

- Upload latest semester marksheet
- Upload degree certificate (if graduated)
- Upload admission letter
- System extracts:
  - Institution name
  - Degree program
  - Specialization
  - Roll/Registration number
  - GPA/Percentage
- Cross-verification with institution (if partner)

#### **Institution Email Verification:**

- Send verification email to college email
- Confirms current enrollment
- Auto-verifies if from recognized institution domain

#### **Verification Timeline:**

- Identity docs: 24-48 hours
- Academic docs: 48-72 hours
- Expedited option: 12 hours (premium feature)

#### **Verification Status Tracking:**

- Dashboard widget showing verification status
- Notifications at each stage
- Detailed rejection reasons if rejected
- Re-upload option with guidance

## **Verification Badge Levels:**

- **Basic:** Email/Phone verified
- **Standard:** Identity verified
- **Complete:** Identity + Academic verified
- **Premium:** All verifications + skill verifications

## **What Employers See:**

- Verification badge on profile
- Verification level (without seeing actual documents)
- Verified date
- "Background Verified" badge in search results

### **3.2.5 Profile Import Features**

**Feature Description:** Students can import profile data from external sources to save time.

#### **Import from LinkedIn: What Gets Imported:**

- Basic info (name, photo, headline)
- Education history (degrees, institutions, dates)
- Work experience (roles, companies, descriptions)
- Skills list
- Certifications
- Languages
- Recommendations (as testimonials)

#### **Import Process:**

1. Click "Import from LinkedIn" button
2. LinkedIn OAuth authorization
3. System fetches profile data
4. Preview screen shows imported data
5. Student reviews each section:
  - Keep / Edit / Remove each item
  - Bulk actions: "Keep All", "Review All"
6. Confirm import

7. Data populated in Dishasetu profile

8. Student can edit after import

### **Data Mapping:**

- LinkedIn fields → Dishasetu fields
- Intelligent matching (e.g., LinkedIn skills → skill taxonomy)
- Proficiency levels inferred from endorsements
- Dates formatted to Dishasetu standard

### **Import from Resume (PDF/DOCX): Parsing Capabilities:**

- Extract personal information
- Parse education section
- Extract work experience
- Identify skills mentioned
- Find projects described
- Detect certifications
- Extract contact information

### **Import Process:**

1. Upload resume file (PDF/DOCX, max 5MB)

2. System parses document (shows progress)

3. Extracted data shown in structured format

4. Student maps fields if ambiguous:

- "Is this your current education?"
- "Is this a project or work experience?"

5. Confirm mappings

6. Data populated

7. Review and edit

### **Parsing Accuracy:**

- Works best with well-formatted resumes
- Provides confidence score for each extraction
- Manual verification for low-confidence items

- Learns from corrections (improves over time)

## Import from GitHub: What Gets Imported:

- Bio
- Top programming languages (from repo analysis)
- Pinned repositories as projects:
  - Project name
  - Description
  - Tech stack (detected)
  - Repo link
  - Stars/forks count
- Contribution activity (shows activeness)

## Import Process:

1. Enter GitHub username
2. System fetches public profile data
3. Student selects repos to import as projects
4. Auto-fill project details
5. Add additional information (role, learnings)
6. Confirm import

## Continuous Sync (Optional):

- Option to keep LinkedIn/GitHub data synced
- Periodic checks for updates
- Notifications when new information detected
- One-click update from external source

## Import Limitations:

- Imports only public data
- No passwords or private info
- Student must verify and approve all imports
- Can import once per source (avoid duplicates)

## 3.2.6 Profile Analytics

**Feature Description:** Students see insights about how their profile is performing and who's viewing it.

## Profile Dashboard Analytics:

### Profile Views Section:

- **Total Views:** Count with trend (up/down from last period)
- **Views This Week:** Graph showing daily views
- **Views by Source:**
  - From job applications: X%
  - From employer searches: Y%
  - From recommendations: Z%
  - Direct link: W%
- **View Duration:** Average time spent on profile
- **Most Viewed Section:** Which part of profile gets most attention

### Viewer Demographics:

- **Companies:** List of companies that viewed profile
  - Company name
  - Industry
  - Number of views
  - Last viewed date
- **Roles:** What positions viewers held
  - Recruiter: X%
  - Hiring Manager: Y%
  - HR Manager: Z%
- **Locations:** Geographic distribution of viewers

### Search Appearances:

- **Search Results:** Appeared in X searches this month
- **Search Keywords:** What keywords led to profile
  - "Java developer": 15 searches
  - "B.Tech Computer Science": 10 searches
  - etc.

- **Ranking:** Average position in search results
- **Click-Through Rate:** X% of searches led to profile view

### Profile Strength Over Time:

- Graph showing profile completeness % over time
- Graph showing DES score progression
- Milestones marked:
  - "First skill verified"
  - "Profile completed"
  - "10+ profile views"

### Engagement Metrics:

- **Resume Downloads:** Count of resume downloads
  - By company
  - By date
- **Profile Saves:** How many employers saved profile
- **Messages Received:** Count of employer messages

### Competitive Insights:

- **Profile Rank:** Compared to similar profiles
  - "Top 10% among Computer Science students"
- **Average Comparison:**
  - Your DES vs. Average DES in your field
  - Your profile views vs. Average views

### Action Recommendations:

Based on analytics, system suggests:

- "Profiles with project demos get 2x more views - add a demo video"
- "Java skill is highly searched - verify it to appear in more searches"
- "Add location preferences to match more jobs"

### Export Analytics:

- Download analytics report (PDF)
- Date range selector
- Share with TPO/mentor for guidance

## Privacy in Analytics:

- Student can see company names viewing profile
- Companies remain anonymous to student until they reach out
- No personal information of viewers exposed

## 3.3 Resume/CV Management Suite

### 3.3.1 Resume Creation from Profile

**Feature Description:** Students generate professional, ATS-optimized resumes automatically from their profile data.

#### Resume Builder Interface:

##### Step 1: Template Selection:

- Gallery of resume templates
- Categories:
  - **Classic:** Traditional, formal layouts
  - **Modern:** Contemporary designs with icons
  - **Creative:** For design/creative roles
  - **Minimal:** Clean, simple layouts
  - **ATS-Optimized:** Maximum compatibility with ATS systems
- Each template shows:
  - Preview thumbnail
  - Name
  - ATS-compatibility score (1-5 stars)
  - Popularity badge ("Most Used", "Trending")
  - Use Case ("Best for Tech Roles", "Best for MBA")
- Filter by:
  - Style
  - Number of pages (1-page / 2-page)
  - Color scheme
  - Layout type (single column / two column)
- Preview mode: See full template with sample data
- "Use This Template" button

## **Step 2: Content Selection: What to Include:**

- **Automatic Selections** (pre-checked based on best practices):
  - Contact Information
  - Education
  - Top Skills
  - Recent Experience
  - Best Projects
- **Optional Sections** (student chooses):
  - All Skills vs. Top Skills only
  - All Experience vs. Relevant only
  - All Projects vs. Highlighted only
  - Certifications
  - Languages
  - Awards & Achievements
  - Volunteer Work
  - Publications
  - References

## **Content Customization for Resume:**

- Edit descriptions specifically for this resume
- Original profile data unchanged
- Resume-specific versions of:
  - Professional summary/objective
  - Experience descriptions (shorter for resume)
  - Skill organization
- Drag to reorder sections
- "Optimize for [Job Title]" - auto-selects relevant content

## **Step 3: Customization:**

- **Template Colors:** Choose primary color theme
- **Font Selection:** Professional fonts dropdown

- **Spacing:** Adjust margins and line spacing
- **Section Headers:** Style and formatting
- **Icons:** Enable/disable skill icons
- **Photo:** Include profile photo or not
- **Contact Details:** Which ones to include

### **Live Preview:**

- Real-time preview as student customizes
- Zoom in/out
- Download preview (low-res PDF)
- Switch between 1-page and 2-page layouts
- "Fit to One Page" optimization

### **ATS Optimization Checker:**

- Real-time ATS score as student edits
- Checks for:
  - Standard section headers (ATS can identify)
  - No tables or complex formatting (ATS can't parse)
  - Standard fonts
  - No images except photo
  - Proper keyword usage
  - File format compatibility
- Green checkmarks for passed criteria
- Warning icons for issues with fix suggestions
- Overall ATS score: 0-100%
- Explanation: "This resume will pass 95% of ATS systems"

### **Keyword Optimization:**

- Suggest relevant keywords based on:
  - Target job role
  - Industry standards
  - Common job descriptions

- Highlight where keywords appear
- Density recommendations
- "Add these keywords" suggestions

#### **Step 4: Resume Settings:**

- **Resume Name:** "My Resume - Software Developer" (for internal reference)
- **Sync with Profile:**
  - Toggle ON: Resume auto-updates when profile changes
  - Toggle OFF: Resume frozen at current version
- **Visibility:**
  - Private (only me)
  - Shareable via link
  - Public (in profile)
- **Set as Default:** Use this resume for job applications
- **Version Number:** Auto-incremented (v1, v2, v3...)

#### **Step 5: Generate & Download:**

- Click "Generate Resume"
- Processing screen (5-10 seconds):
  - "Formatting your experience..."
  - "Optimizing for ATS..."
  - "Generating PDF..."
- Success screen shows:
  - Resume preview
  - File size
  - ATS score
  - Download buttons:
    - Download PDF
    - Download DOCX
    - Download TXT (ATS-plain version)
  - Share button (get shareable link)
  - "Create Another Version" button

## **Resume Generation Technology:**

- HTML/CSS rendering engine
- Conversion to high-quality PDF
- DOCX generation with proper formatting
- Clean, professional output
- Consistent across devices
- Print-ready quality

## **Version Management:**

- Maximum 3 active resumes per student
- Each resume tracked separately:
  - Creation date
  - Last modified
  - Times downloaded
  - Times used in applications
  - View count (if shared)
- Delete old versions to create new ones
- Compare versions side-by-side

## **Resume Storage:**

- Stored in cloud (secure, encrypted)
- Accessible from anywhere
- Never expires
- Automatic backup
- Version history maintained

### **3.3.2 Resume Upload & Parsing**

**Feature Description:** Students can upload existing resumes, which the system parses to extract information and suggest improvements.

#### **Upload Interface:**

- Drag-and-drop zone (prominent)
- "Browse Files" button

- Supported formats displayed: PDF, DOCX
- File size limit: 5MB
- Guidelines:
  - "Upload your latest resume"
  - "Text-based PDFs work best"
  - "English language only"

### **Upload Process:**

1. Student drops file or browses
2. Instant validation:
  - File type check
  - File size check
  - Virus scan
3. Upload progress bar
4. File uploaded to secure storage
5. Parsing begins automatically

### **Parsing Engine: What Gets Extracted:**

- **Personal Information:**
  - Name
  - Email
  - Phone
  - Address/Location
  - LinkedIn URL
  - GitHub URL
- **Professional Summary/Objective**
- **Education Details:**
  - Degrees
  - Institutions
  - Dates
  - GPAs
- **Work Experience:**

- Company names

- Job titles

- Dates

- Descriptions

- Achievements

- **Skills:**

- Technical skills

- Tools and technologies

- Soft skills

- **Projects:**

- Project names

- Descriptions

- Technologies used

- **Certifications**

- **Languages**

- **Awards and achievements**

**Parsing Results Screen:** Shows extracted data in structured format:

**Extracted Information:**

✓ Name: Rahul Sharma

✓ Email: rahul.sharma@email.com

✓ Phone: +91-9876543210

⚠ Education: 2 entries found - Please verify

✓ Experience: 1 entry found

✓ Skills: 12 skills identified

⚠ Projects: 3 entries found - Please verify

**Verification Interface:** Student reviews each section:

- Green checkmark: Correctly extracted

- Orange warning: Needs review

- Red X: Could not extract

For each extracted item:

- Shows original text from resume

- Shows interpreted data
- "Correct" / "Edit" / "Remove" buttons

**Mapping Unclear Data:** For ambiguous extractions, system asks:

- "Is 'ABC Corp' a company or institution?"
- "Is this a project or work experience?"
- "Is this skill proficiency Beginner or Intermediate?"

**Auto-Population:** After verification:

- Extracted data populates Dishasetu profile
- Option to "Import All" or select individual items
- Merge with existing profile data:
  - "You already have Java in skills. Keep existing or replace?"
- Duplicate detection

**Resume Analysis Report:** After parsing, system generates report:

**ATS Compatibility Score:** 75/100 Issues detected:

- $\Delta$  Uses tables (ATS may not parse correctly)
- $\Delta$  Non-standard section headers
- $\checkmark$  Standard font used
- $\Delta$  Skills section in two columns
- $\checkmark$  No images or graphics

**Content Analysis:**

- Resume length: 2 pages (recommended: 1-2 pages for freshers)
- Word count: 650 words
- Skills mentioned: 12
- Quantified achievements: 3 found  $\checkmark$
- Action verbs usage: Good  $\checkmark$
- Formatting consistency: Needs improvement  $\Delta$

**Keyword Analysis:** Based on target role (if specified):

- Java: Mentioned 5 times  $\checkmark$
- Python: Mentioned 2 times  $\checkmark$

- Team Leadership: Not mentioned ↗
- Agile: Not mentioned ↗

## Suggestions for Improvement:

1. Remove tables for better ATS parsing
2. Use standard section headers (Experience, Education, Skills)
3. Add quantified achievements (numbers, percentages)
4. Include keywords: "Team Leadership", "Agile"
5. Reduce to 1 page if applying for entry-level roles
6. Use consistent date formatting

## Actions Available:

- "Generate Optimized Version" - System creates ATS-friendly version
- "Import to Profile" - Add parsed data to profile
- "Edit and Improve" - Make changes suggested
- "Replace Current Resume" - Use this as default
- "Keep Original + Optimized" - Save both versions

## OCR for Scanned Resumes:

If uploaded resume is scanned image:

- "Image detected. Running OCR..."
- Extract text from image
- Show extracted text for review
- Confidence score for each section
- Manual correction for low-confidence text
- Higher processing time (20-30 seconds)

## Privacy & Storage:

- Uploaded resumes stored encrypted
- Can be deleted anytime
- Not shared without permission
- Used only for parsing, not training ML models

### 3.3.3 Resume Sharing & Distribution

**Feature Description:** Students can share resumes via links, download in multiple formats, and track engagement.

#### Sharing Options:

##### Generate Shareable Link:

- Click "Share Resume" button
- System generates unique URL:
  - Format: dishasetu.com/resume/[unique-token]
  - Token is random, unguessable
- Link settings:
  - **Expiry:** Never / 7 days / 30 days / 90 days / Custom date
  - **Password Protection:** Optional password to view
  - **View Limit:** Unlimited / Once / Custom number
  - **Download Allowed:** Yes / No
  - **Track Views:** Yes / No

##### Link Display:

- Generated link shown in copyable text field
- "Copy Link" button (one-click copy)
- QR code generated (for mobile sharing)
- Preview: "See how it looks to recipients"
- Social sharing buttons:
  - LinkedIn
  - WhatsApp
  - Email
  - Twitter

##### Link Management Dashboard:

- List of all shared links
- Each link shows:
  - Created date
  - Expiry date

- Views count
- Downloads count
- Last accessed
- Status (Active/Expired/Revoked)
- Actions:
  - Copy link
  - Revoke link
  - Edit settings
  - View analytics

### **Email Integration: Send Resume via Email (through platform):**

- "Email Resume" button
- Form:
  - To: Email address
  - Subject: Pre-filled, editable
  - Message: Optional cover letter
  - Attachment: Resume PDF (auto-attached)
- Send button
- Confirmation: "Resume sent to [email]"
- Email template:
  - Professional layout
  - Student's contact info
  - Link to full profile (optional)
  - "View Resume" button
  - Dishasetu footer

### **Direct Download Options:**

- **PDF** (most common):
  - High-quality, print-ready
  - Embedded fonts
  - File size optimized

- **DOCX** (editable):
  - For employers who need to edit/add notes
  - Formatted with Word styles
  - Compatible with MS Word 2010+

- **TXT** (ATS-friendly):
  - Plain text version
  - No formatting, images
  - Maximum ATS compatibility
  - Preserves structure with line breaks

## **Download History:**

- Track every download:
  - Date/time
  - Format (PDF/DOCX/TXT)
  - IP address (optional, for security)
  - Referring link (if from shared link)
- Export download history

## **Resume Analytics Dashboard:**

### **View Statistics:**

- Total views: Count with trend graph
- Unique viewers: Count
- Views by date: Bar chart
- Peak viewing times
- Average time spent viewing
- Completion rate (scrolled to end?)

### **Geographic Insights:**

- Views by country (map visualization)
- Views by city (if within India)
- Top 5 locations

### **Referrer Analytics:**

- Where views came from:
  - Email link clicks
  - LinkedIn profile
  - Job application platforms
  - Direct link shares
  - Search engines
- Top referrers list

### **Device Analytics:**

- Desktop vs. Mobile views
- Browser breakdown
- Operating systems
- Screen resolutions (PDF display optimization)

### **Engagement Metrics:**

- Time spent on resume (average)
- Download rate (views → downloads)
- Share rate (viewers who shared)
- Return viewers (viewed multiple times)

### **Company Insights (if identifiable):**

- Views from companies (IP-based detection)
- Industries viewing resume
- Company sizes
- "Your resume was viewed by Google" notification

### **Resume Performance Comparison:**

- Compare multiple resume versions:
  - Version A: 50 views, 10 downloads
  - Version B: 35 views, 15 downloads
  - Recommendation: "Version B has better conversion"
- A/B testing for different formats/layouts

### **Alerts & Notifications:**

- "Your resume was viewed 5 times today"
- "Someone from [Company] viewed your resume"
- "Your resume link expires in 3 days"
- "Your resume was downloaded 10 times this week"
- Configurable notification preferences

### **Privacy Controls in Sharing:**

- Hide personal phone number in shared version
- Hide personal email (show Dishasetu contact email)
- Watermark option: "Generated via Dishasetu"
- "Report Misuse" button for recipients
- Revoke access anytime

### **3.3.4 ATS Optimization Tools**

**Feature Description:** Tools to help students create resumes that pass Applicant Tracking Systems used by employers.

#### **ATS Scanner Tool:**

##### **Scan Interface:**

- Upload resume or select from saved resumes
- "Scan for ATS" button
- Processing screen (10-15 seconds):
  - "Analyzing formatting..."
  - "Checking keyword optimization..."
  - "Testing parser compatibility..."

**ATS Score Report:** Overall ATS Score: 85/100

- Color-coded: 0-60 (Red), 61-80 (Yellow), 81-100 (Green)
- Explanation: "Your resume will pass 85% of ATS systems"

#### **Detailed Analysis:**

##### **1. Format Compatibility (30 points):**

- ✓ Standard file format (PDF/DOCX): 10/10
- ✗ No tables or text boxes: 0/10 (Tables detected)

- ✓ Standard fonts used: 10/10
- △ Section headers readable: 7/10 (Some non-standard headers)

## 2. Content Structure (25 points):

- ✓ Clear section headers: 10/10
- ✓ Consistent formatting: 8/10
- ✓ Proper date formats: 5/5
- △ Contact info placement: 2/2

## 3. Keyword Optimization (25 points):

- △ Job-relevant keywords: 15/20
- ✓ Skills mentioned: 5/5

## 4. Parser Testing (20 points):

- ✓ Name extracted: 5/5
- ✓ Contact info extracted: 5/5
- △ Education parsed: 4/5
- △ Experience parsed: 4/5

## Issues Detected:

1. **Critical** 🔴 Tables used in Experience section
  - Impact: ATS may not read this section
  - Fix: Convert tables to plain text format
  - Quick Fix button: "Remove Tables"
2. **Warning** 🟡 Non-standard section header "Professional Journey"
  - Impact: May not be recognized as Experience
  - Fix: Use standard header "Work Experience"
  - Quick Fix: "Use Standard Headers"
3. **Warning** 🟡 Missing keywords: "Project Management", "Agile"
  - Impact: May not appear in keyword searches
  - Fix: Add these keywords naturally in descriptions
  - Suggestion: "Add to skills section"
4. **Info** 🔐 Resume is 2 pages

- Impact: Some ATS prefer 1-page for freshers
- Fix: Condense to 1 page if applying for entry-level
- Tool: "Optimize for 1-Page"

## **Quick Fix Tools:**

### **Auto-Fix ATS Issues:**

- "Fix All Issues" button
- System automatically:
  - Removes tables, converts to text
  - Updates headers to standard names
  - Adjusts formatting for ATS compatibility
  - Removes problematic elements
- Shows before/after comparison
- Student approves changes
- Generates new ATS-optimized version

### **Manual Fix Guidance:** For each issue:

- Step-by-step instructions
- Visual examples (before/after)
- "Edit Resume" button opens editor at problem area
- Highlight problem sections in yellow
- Real-time validation as student fixes

## **Keyword Optimization Tool:**

**Keyword Analyzer:** Input: Target job title or job description Output: Recommended keywords

Example for "Software Developer": **Highly Recommended:**

- Java: Not found  $\Delta$  (Add to skills)
- Python: Found 3 times  $\checkmark$
- Agile: Not found  $\Delta$
- Git: Found 1 time  $\Delta$  (Mention more)
- Team Collaboration: Not found  $\Delta$

## **Moderately Important:**

- REST APIs: Found 2 times ✓
- Problem Solving: Not found △
- Code Review: Not found △

### **Keyword Density:**

- Current: 2.5% (keywords/total words)
- Recommended: 3-5%
- Status: Slightly low - add 3-4 more keywords

**Natural Integration Suggestions:** System suggests where to add keywords naturally:

- "Add 'Team Collaboration' to your project description"
- "Mention 'Agile' in your internship experience"
- "Include 'Git' in technical skills section"

**Keyword Placement Guide:** Best places to include keywords:

1. Skills section (highest priority)
2. Experience descriptions
3. Project descriptions
4. Summary/Objective
5. Certifications/Courses

### **ATS-Friendly Formatting Checker:**

#### **Font Analysis:**

- ✓ Current font: Arial (ATS-friendly)
- Recommended fonts:
  - Arial
  - Calibri
  - Times New Roman
  - Helvetica
- △ Avoid: Decorative fonts, cursive

#### **Layout Analysis:**

- ✓ Single column: Preferred

- $\Delta$  Two column: May cause parsing issues
- $\times$  Three+ columns: Not recommended

### **Element Check:**

- $\checkmark$  Bullet points: Standard format
- $\times$  Checkboxes: Remove (may cause issues)
- $\times$  Images: Remove logos/icons
- $\Delta$  Horizontal lines: Minimal use OK
- $\times$  Text boxes: Convert to regular text
- $\checkmark$  Bold/Italic: Used appropriately

### **File Format Recommendations:**

- PDF: ATS compatibility 85%
  - Use for: Most applications
  - Ensure: PDF is text-based, not scanned
- DOCX: ATS compatibility 95%
  - Use for: Maximum compatibility
  - Ensure: Saved in Word 2010+ format
- TXT: ATS compatibility 100%
  - Use for: If ATS compatibility is crucial
  - Limitation: No formatting

**ATS Simulator:** "Test how your resume looks to ATS"

### **Simulation Process:**

1. Student uploads resume
2. System parses resume like an ATS would
3. Shows extracted data:
  - What ATS "sees"
  - What information is captured
  - What is missed or garbled
4. Side-by-side comparison:
  - Left: Original resume
  - Right: What ATS extracted

## 5. Highlights mismatches in red

### Common ATS Failures:

- Name detected as "Resume" (header issue)
- Email shown as image (not extracted)
- Phone number garbled (formatting issue)
- Experience dates missing (table parsing fail)
- Skills section completely missed (non-standard header)

**Best Practices Guide:** Comprehensive guide accessible from ATS tool:

#### Do's:

- Use standard section headers
- Include keywords naturally
- Use simple formatting
- Stick to common fonts
- Save as DOCX or text-based PDF
- Use bullet points
- Spell check everything
- Include contact info at top
- Use consistent date formats

#### Don'ts:

- Don't use tables for layout
- Don't embed images or graphics
- Don't use headers/footers for important info
- Don't use text boxes
- Don't use uncommon section names
- Don't submit scanned PDFs
- Don't rely on formatting to convey info
- Don't use pronouns (I, me, my)
- Don't include photos unless asked

## **Industry-Specific Tips:**

- Tech Industry: Emphasize technical skills, projects, GitHub
- Finance: Highlight certifications, quantified achievements
- Creative: Balance visual appeal with ATS compatibility
- Consulting: Focus on impact, problem-solving

## **ATS Score Tracking:**

- Track ATS score over time (graph)
- Score improvements with each version
- Milestone celebrations: "You reached 90% ATS score!"
- Leaderboard: "Your score is higher than 85% of users"

### **3.3.5 Resume Templates Library**

**Feature Description:** A curated collection of professional resume templates optimized for different roles and industries.

#### **Template Categories:**

##### **1. By Industry:**

- **Technology/IT:**
  - Software Developer
  - Data Scientist
  - Web Designer
  - DevOps Engineer
  - Mobile App Developer
- **Business/Management:**
  - Business Analyst
  - Product Manager
  - Marketing Professional
  - Financial Analyst
- **Creative:**
  - Graphic Designer
  - Content Writer
  - UI/UX Designer

- Digital Marketer
- **Engineering:**
  - Mechanical Engineer
  - Civil Engineer
  - Electrical Engineer
- **General/All-Purpose:**
  - Fresher Template
  - Student Template
  - Career Change Template

## 2. By Style:

- Classic/Traditional
- Modern/Contemporary
- Minimal/Clean
- Creative/Bold
- Professional/Corporate
- Academic
- Executive

## 3. By Experience Level:

- Fresher (0-1 years)
- Entry Level (1-3 years)
- Mid-Level (3-7 years)
- Senior (7+ years)
- Executive/Leadership

## 4. By Format:

- One Page (most common for freshers)
- Two Page (for more experience)
- One Column
- Two Column
- Timeline Format

- Skills-First Format

## Template Gallery Interface:

### Grid View:

- Templates displayed as cards in grid
- Each card shows:
  - Template thumbnail preview
  - Template name
  - Category badges
  - ATS score indicator (stars)
  - Popularity (downloads count)
  - "Preview" and "Use Template" buttons

### Filters & Search:

- Search by name or keyword

- Filter by:

- Industry
- Style
- Page count
- ATS score
- Color scheme
- Popularity

- Sort by:

- Most Popular
- Highest ATS Score
- Newest
- Most Downloaded

### Template Preview:

Full-screen preview of template with:

- Sample data filled in
- All sections visible
- Zoom in/out functionality

- Page navigation (for multi-page)
- "Use This Template" button (persistent)
- "Download Sample" button
- Similar templates suggested

**Template Details:** For each template:

- **Description:** What makes it unique
- **Best For:** Job roles and industries
- **ATS Score:** Compatibility rating
- **Features:**
  - Sections included
  - Color customization
  - Icon support
  - Photo inclusion
- **User Ratings:** Star rating and reviews
- **Usage Count:** "5,230 students used this"
- **Tips:** How to make best use of this template

**Popular Templates (Examples):**

## 1. Classic Professional:

- Single column, traditional layout
- Black and white
- Standard sections: Contact, Summary, Experience, Education, Skills
- ATS Score: 5/5
- Best for: Corporate jobs, conservative industries
- Usage: 15,000+

## 2. Modern Tech:

- Two-column layout
- Accent color options
- Tech-focused sections: Projects, GitHub, Technical Skills
- Icons for skills

- ATS Score: 4/5
- Best for: Software developers, tech roles
- Usage: 22,000+

### **3. Minimal Clean:**

- Lots of white space
- Simple typography
- Single column
- No graphics
- ATS Score: 5/5
- Best for: All industries, maximum compatibility
- Usage: 18,000+

### **4. Creative Showcase:**

- Visual design elements
- Portfolio section
- Two-column asymmetric layout
- Custom color schemes
- ATS Score: 3/5 (lower but visually appealing)
- Best for: Design, creative roles
- Usage: 8,000+

**Template Customization:** After selecting template:

#### **Visual Customization:**

- **Color Scheme:**
  - Primary color picker
  - Pre-set color palettes
  - Preview update in real-time
- **Typography:**
  - Font family selection
  - Font size adjustments
  - Heading styles

- **Layout:**
  - Adjust margins
  - Section spacing
  - Line height
- **Elements:**
  - Include/exclude profile photo
  - Add/remove section dividers
  - Enable/disable icons

### **Content Customization:**

- Add/remove sections
- Reorder sections
- Rename section headers
- Adjust section prominence

### **Responsive Adjustments:**

- One-page optimizer (automatically condenses)
- Two-page expander (adds more space)
- "Smart Fit" - AI optimizes layout

### **Template Recommendations:** Based on profile analysis:

- "For your experience level, we recommend: [Template]"
- "Students with similar profiles used: [Template]"
- "Most successful for [Your Target Role]: [Template]"

### **Template Rating & Reviews:** Students can rate templates:

- 5-star rating
- Written review (optional)
- "Helped me get interview" checkbox
- Reviews display:
  - Rating
  - Review text
  - Student's role

- Date
- Helpful votes

### **Template Updates:**

- Templates regularly updated
- New templates added monthly
- Trending templates highlighted
- Seasonal templates (campus placement season)

### **Custom Template Requests:**

- "Don't see what you need?"
- Template request form:
  - Industry
  - Style preference
  - Special requirements
- Admin team reviews requests
- Most requested templates get created

### **3.3.6 Resume Version Control**

**Feature Description:** Students can maintain multiple resume versions for different job applications and track changes.

#### **Version Management Dashboard:**

**Resume List View:** All saved resumes displayed as cards:

#### **Resume Card:**

- Thumbnail preview
- Resume name (editable)
- Version number
- Template used
- Last modified date
- File size
- Statistics:
  - Times used in applications: X

- Times downloaded: Y
- Views (if shared): Z
- Quick actions:
  - Preview
  - Download
  - Edit
  - Duplicate
  - Share
  - Delete
  - Set as Default
- Status badge:
  - "Default" (primary resume)
  - "Synced" (auto-updates with profile)
  - "Frozen" (fixed version)

### **Version Limit Management:**

- Free users: 3 active resumes
- When limit reached:
  - "You've reached your resume limit (3/3)"
  - "Delete an old resume to create new one"
  - Or "Upgrade to Premium for unlimited resumes"
- Archive option: Move unused resumes to archive (doesn't count toward limit)

### **Resume Comparison Tool:** Compare two or more resume versions:

#### **Comparison View:**

- Side-by-side display (up to 3 resumes)
- Each column shows different version
- Synchronized scrolling
- Differences highlighted:
  - Green: Added content
  - Red: Removed content

- Yellow: Modified content

### **Comparison Metrics:**

- Length: 1 page vs. 2 pages
- Word count: 650 vs. 720 words
- Skills listed: 12 vs. 15
- Projects included: 3 vs. 4
- ATS Score: 85% vs. 92%
- Template: Classic vs. Modern

### **Performance Comparison:**

- Version A: 15 applications, 3 interviews (20% conversion)
- Version B: 10 applications, 4 interviews (40% conversion)
- Recommendation: "Version B performs better!"

**Decision Helper:** System recommends which version to use based on:

- Target role
- Application success rate
- ATS score
- Employer preferences

**Version History:** For each resume, track all changes:

### **Timeline View:**

- Shows all edits chronologically
- Each entry shows:
  - Date and time
  - What changed ("Updated experience section")
  - Who changed it (student name)
  - Restore option

### **Change Log Example:**

Nov 15, 2025, 2:30 PM

- Added "Project Management" to skills
- Updated GPA from 7.8 to 8.2
- Changed template color to blue

Nov 10, 2025, 10:15 AM

- Added new internship experience
- Removed old project
- Updated contact email

### **Restore Previous Version:**

- Click any version in history
- Preview that version
- "Restore This Version" button
- Warning: "This will overwrite current version"
- Confirm restoration
- Current version saved as new entry in history

**Resume Naming Conventions:** Help students organize resumes:

### **Smart Naming Suggestions:**

- "Software Developer - Generic"
- "Full Stack - TechCompany"
- "Data Analyst - Startup Focus"
- "Resume for Campus Placements"

### **Naming Best Practices:**

- Include target role
- Include company name (for tailored resumes)
- Include version date
- Use descriptive names

**Resume Duplication:** Create copies for customization:

### **Duplicate Options:**

1. **Exact Duplicate:** Perfect copy
2. **Duplicate & Customize:** Opens editor immediately

### **3. Duplicate & Tailor for Job:** Wizard to optimize for specific job

#### **Duplicate Process:**

- Select resume to duplicate
- Click "Duplicate" button
- Enter new name
- Choose if synced or frozen
- New resume created instantly
- Opens in edit mode

#### **Use Cases for Duplication:**

- Different roles (Developer vs. Analyst)
- Different companies (Startup vs. Corporate)
- Different formats (ATS vs. Visual)
- Experimentation (test different approaches)

#### **Auto-Save & Draft Management:**

- Changes auto-saved every 30 seconds
- "Saving..." indicator appears
- "All changes saved" confirmation
- Draft versions for incomplete resumes
- No loss of work due to browser crash

#### **Resume Sync Options:**

##### **Synced Resume** (recommended for main resume):

- Automatically updates when profile changes
- Add new skill → appears in resume
- Update experience → reflects in resume
- Always current
- Notification: "Your profile changed. Resume updated!"

##### **Frozen Resume** (recommended for tailored resumes):

- Fixed at creation

- Profile changes don't affect it
- Manually update when needed
- Good for job-specific versions
- Warning: "This resume won't update automatically"

### **Smart Sync:**

- Choose which profile changes to sync
- Selective sync options:
  - Sync skills: Yes/No
  - Sync experience: Yes/No
  - Sync projects: Yes/No
  - Sync education: Yes/No
- Maximum control

### **Resume Export Options:**

#### **Bulk Export:**

- Export all resumes at once
- Download as ZIP file
- Includes all formats (PDF, DOCX, TXT)
- Organized in folders by resume name
- Backup entire resume library

### **Cloud Storage Integration (Future):**

- Save to Google Drive
- Save to Dropbox
- Save to OneDrive
- Automatic sync

### **Version Tagging:** Tag resumes for easy organization:

#### **Tag Categories:**

- By Status: "Active", "Archive", "Outdated"
- By Purpose: "Campus Placement", "Internship", "Full-Time"
- By Industry: "IT", "Finance", "Consulting"

- By Success: "High Response", "Needs Work"
- Custom tags

### **Tag-Based Filtering:**

- View all "Active" resumes
- View all "Campus Placement" resumes
- Combine tags: "Active + IT + High Response"

**Resume Performance Analytics:** For each resume version:

### **Usage Statistics:**

- Created: Nov 1, 2025
- Applications sent: 15
- Interviews received: 3
- Interview rate: 20%
- Downloads: 25
- Profile views triggered: 50

### **Success Metrics:**

- Response rate compared to platform average
- "Above average performance" badge
- Suggestions: "This resume works well - use it more!"

**Resume Optimization Suggestions:** Based on performance:

- Low response rate → "Consider updating with newer projects"
- High response rate → "Great! Duplicate this for similar roles"
- No recent usage → "Resume may be outdated"

## **3.4 Skill Verification & Projects**

### **3.4.1 Skill Verification Overview**

**Feature Description:** Students demonstrate and verify their skills through hands-on projects evaluated by industry mentors.

### **Why Skill Verification Matters:**

#### **The Problem:**

- Anyone can claim skills on resume
- No way for employers to verify skills
- False claims damage credibility
- Difficult to stand out among candidates

### **The Dishasetu Solution:**

- Practical project-based verification
- Mentor-conducted viva assessment
- Verification badges visible to employers
- Builds trust and credibility
- Increases DES score significantly

### **Verification Badge Benefits:**

- "Verified" badge on skill
- 40% weight in DES calculation
- Priority in employer searches
- Higher profile visibility
- Employer confidence
- Interview conversation starter

### **How Verification Works (Student View):**

#### **Step-by-Step Process:**

1. Choose Skill → 2. Select Project → 3. Complete Project →
4. Submit Deliverables → 5. Schedule Viva → 6. Pass Evaluation →
7. Receive Badge → 8. DES Updated

### **Time Commitment:**

- Project completion: 5-15 hours (varies by complexity)
- Submission preparation: 1-2 hours
- Viva session: 30-60 minutes
- Total: 1-2 weeks from start to verification

### **Success Rate:**

- First-time pass rate: 65%
- After resubmission: 90%
- Average attempts: 1.3

### **3.4.2 Skill Taxonomy & Selection**

**Feature Description:** Comprehensive list of skills organized by categories that students can verify.

**Skill Categories:**

#### **1. Programming Languages:**

- Java
- Python
- JavaScript
- C/C++
- C#
- PHP
- Ruby
- Go
- Kotlin
- Swift
- R
- MATLAB

#### **2. Web Development:**

- HTML/CSS
- React.js
- Angular
- Vue.js
- Node.js
- Express.js
- Django
- Flask
- Spring Boot

- ASP.NET

### **3. Mobile Development:**

- Android (Java/Kotlin)
- iOS (Swift)
- React Native
- Flutter
- Xamarin

### **4. Data Science & AI:**

- Machine Learning
- Deep Learning
- Data Analysis
- Natural Language Processing
- Computer Vision
- TensorFlow
- PyTorch
- Pandas/NumPy

### **5. Databases:**

- MySQL
- PostgreSQL
- MongoDB
- Oracle
- SQL Server
- Redis
- Cassandra

### **6. Cloud & DevOps:**

- AWS
- Azure
- Google Cloud
- Docker

- Kubernetes
- CI/CD
- Jenkins
- Git/GitHub

## **7. Software Engineering:**

- Object-Oriented Programming
- Data Structures & Algorithms
- System Design
- Software Testing
- Agile/Scrum

## **8. Design:**

- UI/UX Design
- Graphic Design
- Figma
- Adobe XD
- Photoshop
- Illustrator

## **9. Business & Management:**

- Project Management
- Business Analysis
- Product Management
- Digital Marketing
- Financial Analysis
- Excel (Advanced)

## **10. Soft Skills:**

- Communication
- Leadership
- Team Collaboration

- Problem Solving
- Time Management
- Presentation Skills

## **Skill Selection Interface:**

### **Browse Skills Page:**

- Search bar: "Search skills..."
- Category filters (sidebar)
- View options:
  - Grid view (with icons)
  - List view (detailed)
  - Tree view (hierarchical)

### **Skill Card (in grid view):**

- Skill name
- Skill icon/logo
- Category badge
- Difficulty level: Beginner/Intermediate/Advanced
- Verification available: Yes/No
- Number of verification projects available
- "Your Status":
  - Not in profile
  - In profile (unverified)
  - Verification in progress
  - Verified ✓
- Quick action button:
  - "Add to Profile" or "Verify Now"

### **Skill Detail Page:** When clicking on a skill:

#### **Overview Section:**

- Skill name and description
- Prerequisites (other skills needed)

- Career relevance:
  - "Required for X job roles"
  - "Mentioned in Y% of job postings"
- Salary impact: "Professionals with this skill earn Z% more"
- Market demand graph (trend over time)

## **Verification Options:**

- List of available projects for verification
- Each project shows:
  - Project name
  - Difficulty level
  - Estimated time
  - Topics covered
  - Success rate
  - "Start Project" button

## **Learning Resources:**

- Recommended courses (external links)
- Tutorial videos
- Documentation links
- Practice exercises
- Community discussions

## **Success Stories:**

- "1,250 students verified this skill"
- Testimonials from verified students
- Before/After DES scores
- Job outcomes after verification

## **Related Skills:**

- Skills often learned together
- Complementary skills
- Next skill recommendations

**Skill Roadmap:** For complex skill domains (e.g., Full Stack Development):

**Visual Roadmap:**

**Beginner:**

[HTML/CSS] → [JavaScript] → [Git]



**Intermediate:**

[React] → [Node.js] → [MongoDB]



**Advanced:**

[System Design] → [AWS] → [Microservices]

**Roadmap Features:**

- Check off skills as you learn
- Estimated timeline (e.g., "6 months to full stack")
- Prerequisites clearly marked
- Suggested learning order
- Unlock next skills as you complete previous

**Skill Proficiency Levels:**

**Self-Assessment:** When adding skill to profile, student selects proficiency:

**Beginner:**

- Basic understanding of concepts
- Can complete simple tasks with guidance
- Limited practical experience
- Learning fundamentals

**Intermediate:**

- Solid understanding of concepts
- Can work independently on tasks
- Some practical projects completed
- Comfortable with common scenarios

**Advanced:**

- Deep understanding of concepts

- Can handle complex tasks
- Multiple real-world projects
- Can mentor others

### **Expert:**

- Comprehensive mastery
- Can architect solutions
- Extensive professional experience
- Recognized in the field

### **Proficiency Indicators:**

- Color-coded badges (Blue → Green → Yellow → Gold)
- Stars (1-4 stars)
- Percentage (0-100%)
- Skill bars

### **Verification Validates Proficiency:**

- Verification project difficulty matches claimed proficiency
- Mentor evaluation confirms actual level
- May recommend different proficiency if mismatch
- DES weight depends on verified proficiency level

### **Skill Recommendations:**

#### **Based on Profile:**

- "Students with similar profiles also verified:"
  - Python
  - Data Analysis
  - Machine Learning
- "Recommended next skill: SQL"

#### **Based on Target Role:**

- Student sets goal: "Software Engineer"
- System recommends:
  - Must-have: Java, Data Structures, Git

- Good-to-have: Spring Boot, Docker
- Nice-to-have: Kubernetes, System Design

### **Based on Industry Trends:**

- "Trending in Tech Industry:"
  - AI/ML (demand up 45%)
  - Cloud (AWS, Azure)
  - Microservices
- "Emerging Skills:"
  - Blockchain
  - Cybersecurity
  - IoT

### **Based on Market Demand:**

- "Most in-demand skills for freshers:"
  1. Java (12,000 jobs)
  2. Python (11,500 jobs)
  3. React (8,000 jobs)
- "Skills with high salary impact"
- "Skills with low competition"

### **3.4.3 Verification Project Library**

**Feature Description:** Curated collection of hands-on projects designed to demonstrate practical skills.

#### **Project Categories:**

##### **By Skill Domain:**

- Programming projects (algorithms, applications)
- Web development projects (full websites, features)
- Mobile app projects
- Data science projects (analysis, ML models)
- Design projects (UI/UX, graphics)
- Business projects (case studies, analysis)

##### **By Difficulty:**

- Level 1 (Beginner): Foundation-level projects
- Level 2 (Intermediate): Practical application projects
- Level 3 (Advanced): Complex, real-world projects
- Level 4 (Expert): Industry-grade projects

### **By Time Commitment:**

- Quick (2-5 hours)
- Standard (5-10 hours)
- Extensive (10-20 hours)
- Capstone (20+ hours)

### **Project Browser Interface:**

#### **Project Gallery:**

- Grid of project cards
- Filters:
  - Skill
  - Difficulty level
  - Time commitment
  - Project type
  - Industry relevance
- Sort by:
  - Popularity (most attempted)
  - Success rate
  - Recently added
  - Relevance to profile

#### **Project Card:**

- Project title
- Project thumbnail/icon
- Skill badges (which skills it verifies)
- Difficulty level (color-coded)
- Estimated time

- Success rate: "75% pass on first attempt"
- Popularity: "1,250 students completed"
- Status (for logged-in student):
  - "Not Started"
  - "In Progress"
  - "Submitted - Under Review"
  - "Passed ✓"
- "View Details" button

## **Project Detail Page:**

### **Project Overview:**

- Full project title
- Detailed description
- What you'll build/demonstrate
- Learning outcomes
- Skills verified upon completion
- Real-world relevance
- Industry context

### **Example Project: "E-Commerce Product Catalog API"**

**Description:** "Build a RESTful API for an e-commerce product catalog with full CRUD operations, authentication, and database integration."

### **What You'll Demonstrate:**

- Backend API development
- Database design and queries
- RESTful principles
- Authentication/Authorization
- Error handling
- API documentation

### **Skills Verified:**

- Node.js ✓

- Express.js ✓
- MongoDB ✓
- REST API ✓
- JWT Authentication ✓

## **Project Requirements:**

### **Functional Requirements:**

1. User registration and authentication
2. Product CRUD operations
3. Category management
4. Search and filtering
5. Pagination
6. Rate limiting
7. Input validation

### **Technical Requirements:**

- Use Node.js with Express
- MongoDB for database
- JWT for authentication
- RESTful design
- Proper error handling
- API documentation (Swagger/Postman)

## **Deliverables:**

1. Source code (GitHub repository)
2. API documentation
3. Database schema diagram
4. README with setup instructions
5. Demo video (optional but recommended)
6. Test cases

## **Evaluation Criteria:**

- Code quality: 25%

- Functionality: 30%
- Documentation: 15%
- Best practices: 15%
- Problem-solving approach: 15%

## Rubric Detail:

### Code Quality (25 points):

- Clean, readable code (10 pts)
- Proper project structure (5 pts)
- Comments and naming (5 pts)
- No code smells (5 pts)

### Functionality (30 points):

- All features working (15 pts)
- Edge cases handled (8 pts)
- Performance optimization (7 pts)

### Documentation (15 points):

- API documentation complete (8 pts)
- README comprehensive (4 pts)
- Code comments (3 pts)

### Best Practices (15 points):

- Security measures (5 pts)
- Error handling (5 pts)
- Code reusability (5 pts)

### Problem Solving (15 points):

- Approach and design (10 pts)
- Creativity (5 pts)

**Passing Score:** 65/100

## Resources Provided:

### Starter Code (optional):

- Basic project structure
- Configuration templates
- Sample data
- Helper utilities

## Reference Materials:

- Official documentation links
- Tutorial videos
- Best practices guides
- Common pitfalls to avoid
- FAQs

## Example Solutions:

- High-quality reference implementations
- Available after submission
- Learning from others' approaches

## Timeline & Milestones:

### Suggested Schedule (for 10-hour project):

- Week 1:
  - Day 1-2: Setup and basic structure (2 hours)
  - Day 3-4: Core functionality (3 hours)
  - Day 5-6: Advanced features (3 hours)
  - Day 7: Testing and documentation (2 hours)

### Milestones:

- ✓ Project setup complete
- ✓ Basic CRUD working
- ✓ Authentication implemented
- ✓ All features complete
- ✓ Documentation done
- ✓ Ready for submission

## Progress Tracking:

- Checklist of completed tasks
- Time spent tracking (optional)
- Save drafts of work
- Peer discussion forum

## **Project Submission Interface:**

### **Submission Form:**

#### **1. Code Repository:**

- GitHub repository URL (required)
- Make sure repo is public or accessible
- Validation: checks if URL is valid and accessible
- Instructions: "Add README with setup steps"

#### **2. Documentation:**

- Upload API documentation (PDF/Markdown)
- Or provide link to hosted docs
- Maximum file size: 5MB

#### **3. Demo/Video (optional but highly recommended):**

- Upload demo video (MP4, max 50MB)
- Or provide YouTube/Loom link
- Showcase key features
- Recommended length: 3-5 minutes

#### **4. Additional Materials:**

- Database schema (image/PDF)
- Test results screenshots
- Architecture diagrams
- Any other supporting materials

#### **5. Self-Assessment:**

- Rate your submission: 1-10
- What went well?

- What was challenging?
- What would you improve?
- Estimated time spent

## 6. Declaration:

- Checkbox: "This is my original work"
- Checkbox: "I understand plagiarism will result in failure"
- Checkbox: "I'm ready for viva examination"

**Pre-Submission Checklist:** Before submitting, student must confirm:

- Code is complete and tested
- Repository has clear README
- Documentation is included
- No hardcoded credentials or API keys
- Project runs without errors
- All deliverables uploaded

**Submission Validation:** System performs automated checks:

- Repository accessible ✓
- README file present ✓
- Required files present ✓
- No obvious errors ✓
- File sizes within limits ✓

## Submit Button:

- "Submit for Evaluation"
- Confirmation dialog: "Once submitted, you cannot edit. Continue?"
- Success message: "Submitted successfully!"
- Redirect to submission status page

## After Submission:

### Submission Status Page:

- Submission ID

- Submitted date and time
- Status: "Awaiting Mentor Assignment"
- Estimated review time: "2-3 days"
- All submitted materials viewable
- Edit option (only before mentor assignment)

### **Status Progression:**

1. **Submitted** → "Awaiting Mentor Assignment"
2. **Assigned** → "Mentor: [Name] is reviewing"
3. **Under Review** → "Evaluation in progress"
4. **Viva Scheduled** → "Viva on [Date] at [Time]"
5. **Viva Completed** → "Awaiting final result"
6. **Evaluated** → "Passed ✓" or "Needs Resubmission"

### **Notifications at Each Stage:**

- Email notifications
- In-app notifications
- SMS for important updates (viva scheduled)

### **Automated Checks (Run Immediately):**

#### **Plagiarism Detection:**

- Code compared against:
  - Previous submissions
  - Public GitHub repositories
  - Online code samples
  - Stack Overflow snippets
- Similarity score calculated
- If >30% similarity:
  - Flagged for review
  - Student notified
  - May require explanation

### **Basic Tests (for code projects):**

- Syntax validation
- Common test cases run
- Security vulnerability scan
- Dependency check
- Performance benchmarks
- Results shown to student and mentor

### **Quality Metrics:**

- Code complexity analysis
- Documentation completeness
- Test coverage (if tests included)
- Code style consistency

### **Timeline Example:**

**Day 0:** Student submits project **Day 1:** Automated checks run, mentor assigned **Day 2-3:** Mentor reviews submission **Day 4:** Mentor requests viva or directly evaluates **Day 5:** Viva scheduled (if required) **Day 7:** Viva conducted **Day 8:** Final evaluation and feedback **Day 9:** Result published, DES updated (if passed)

**Total time:** 7-10 days from submission to result

### **3.4.4 Viva Session (Oral Examination)**

**Feature Description:** Live video interview with mentor to assess understanding and practical knowledge.

### **What is a Viva?:**

- 30-60 minute video call with mentor
- Oral examination of project and concepts
- Tests understanding, not just memorization
- Interactive Q&A session
- Demonstrates communication skills
- Required for most verifications

### **When Viva is Required:**

- Project complexity: Intermediate/Advanced level
- Submission quality: Borderline or unclear
- Plagiarism suspicion: Need to verify understanding

- Student request: Optional viva for extra validation
- First-time verification: For credibility

### **Viva Scheduling Process:**

**Mentor Initiates Scheduling:** After reviewing submission:

1. Mentor decides viva is needed
2. Mentor proposes 3-5 time slots
3. Student receives notification: "Viva Required"
4. Email with mentor details and proposed slots

### **Student Selects Slot:**

- View proposed slots in student's local timezone
- Calendar view showing availability
- Each slot shows:
  - Date and day
  - Time (with timezone)
  - Duration (30-60 min)
  - Mentor name
- Select preferred slot
- Optional: Add notes or questions
- Confirm selection

### **Confirmation:**

- Calendar invite sent (Google Calendar/Outlook compatible)
- Meeting link provided (integrated video platform)
- Confirmation email with:
  - Date/time
  - Mentor details
  - Project being evaluated
  - Meeting link
  - Preparation tips
  - What to expect

## **Reminders:**

- 24 hours before: Email + push notification
- 1 hour before: Email + SMS + push
- 15 minutes before: Push notification
- "Join Now" button becomes active

## **Viva Preparation Guidance:**

### **What to Prepare:**

#### **1. Review Your Project:**

- Understand every part of your code
- Be ready to explain design decisions
- Know the technologies used
- Prepare to walk through key features

#### **2. Understand Concepts:**

- Review underlying concepts
- Prepare examples and use cases
- Understand alternatives and tradeoffs

#### **3. Have Materials Ready:**

- Project running on your machine
- Code editor open
- Documentation accessible
- Diagrams/flowcharts ready

#### **4. Practice Explanations:**

- Explain project to friend/family
- Record yourself explaining
- Prepare for "Why did you...?" questions

#### **5. Technical Setup:**

- Test video and audio beforehand
- Ensure stable internet connection
- Have backup device ready
- Close unnecessary applications

## **Sample Viva Questions** (provided to student): For a Web Development Project:

- "Explain the architecture of your application"
- "Why did you choose [technology] over [alternative]?"
- "Walk me through how authentication works"
- "What security measures did you implement?"
- "How would you scale this application?"
- "What challenges did you face and how did you solve them?"
- "Can you modify this feature live?"

## **Viva Platform Interface:**

### **Student View Before Viva:**

- Countdown timer: "Viva starts in 2 hours 15 minutes"
- Meeting details prominently displayed
- Preparation checklist
- Test video/audio button
- "Join Meeting" button (activates 15 min before)

### **Joining the Viva:**

1. Click "Join Meeting" (15 min before scheduled time)
2. Browser permissions requested (camera, mic)
3. Preview screen:
  - See yourself
  - Test microphone
  - Select camera/mic devices
  - Check internet speed
4. "Ready to Join" button
5. Waiting room if mentor hasn't joined yet

### **During Viva - Student View:**

#### **Video Interface:**

- Mentor video (large)
- Student video (small, movable)

- Connection quality indicator
- Audio/video controls (mute, camera off)
- Chat panel (text communication if needed)
- Screen share option (to show project)
- Timer showing elapsed time
- "End Call" button

### **Screen Sharing:**

- Student can share screen to show:
  - Code in editor
  - Running application
  - Documentation
  - Diagrams
- Full screen or specific application
- Annotation tools available

### **Technical Backup:**

- If video fails: Fallback to audio-only
- If platform fails: Backup meeting link provided
- Chat-based emergency contact with support

### **Viva Session Structure (Typical 45-minute session):**

#### **Part 1: Introduction (5 minutes):**

- Mentor introduces self
- Student introduces self
- Ice-breaker conversation
- Project overview by student

#### **Part 2: Project Walkthrough (15 minutes):**

- Student demonstrates project
- Shows key features
- Explains technical choices
- Highlights unique aspects

### **Part 3: Technical Deep-Dive (15 minutes):**

- Mentor asks technical questions
- Tests understanding of concepts
- Explores decision-making process
- Checks for originality

### **Part 4: Practical Assessment (5-10 minutes):**

- "Can you modify this feature?"
- "What would you do differently?"
- "How would you add [feature]?"
- Problem-solving on the spot

### **Part 5: Wrap-Up (5 minutes):**

- Final questions
- Student asks questions
- Feedback preview (high-level)
- Next steps explained

## **What Mentors Evaluate:**

### **Technical Understanding (40%):**

- Depth of knowledge
- Concept clarity
- Ability to explain complex topics
- Understanding of underlying principles

### **Practical Skills (30%):**

- Code quality
- Problem-solving approach
- Real-world applicability
- Best practices followed

### **Communication (20%):**

- Clear explanations

- Ability to articulate thoughts
- Handling questions gracefully
- Professional demeanor

### **Originality & Creativity (10%):**

- Unique approaches
- Innovation in solution
- Going beyond requirements
- Creative problem-solving

### **Viva Evaluation Scoring:**

#### **Rating Scale (for each criterion):**

- 1-2: Below expectations
- 3-4: Meets some expectations
- 5-6: Meets expectations
- 7-8: Exceeds expectations
- 9-10: Outstanding

### **Overall Assessment:**

- Total Score: 0-100
- Passing Score: 65
- Classification:
  - 85-100: Excellent
  - 75-84: Very Good
  - 65-74: Good (Pass)
  - 50-64: Needs Improvement (Resubmit)
  - <50: Did Not Pass

### **After Viva:**

#### **Immediate Feedback (optional):**

- Mentor may share preliminary thoughts
- "You did well on X, but Y needs work"
- No formal result yet (comes in 24 hours)

## **Student Self-Reflection:**

- Post-viva survey:
  - How did you feel it went? (1-5)
  - What went well?
  - What could you improve?
  - Any technical issues?
  - Rate mentor experience (1-5)

## **Recording:**

- Session recorded (with consent)
- Available to student for review
- Used for quality assurance
- Auto-deleted after 30 days

## **Result Notification** (within 24 hours):

### **If Passed** 🎉 :

- Congratulations email
- Detailed feedback report
- Verification badge issued
- DES updated (typically +5 to +15 points)
- Certificate of verification (downloadable)
- Badge visible on profile immediately
- LinkedIn sharing option

### **If Resubmission Required** 📄 :

- Constructive feedback email
- Specific areas to improve
- Guidance on what to study
- Resubmission guidelines
- Option to schedule call with mentor for clarity
- No penalty, unlimited resubmissions

## **Feedback Report Contains:**

- Overall score and verdict
- Score breakdown by criteria
- Strengths identified
- Areas for improvement
- Specific examples from viva
- Study recommendations
- Next steps

### **Viva No-Show Policy:**

#### **If Student Doesn't Join:**

- 10-minute grace period
- Mentor waits and attempts contact
- If no response:
  - Marked as "No Show"
  - Must reschedule
  - May affect future scheduling priority
- Valid reason (emergency): Can reschedule without penalty

#### **If Mentor Doesn't Join:**

- Student waits 10 minutes
- Automatic rescheduling triggered
- Apology notification
- Priority rescheduling
- Compensation if repeated issue

### **Reschedule Viva:**

- Student can reschedule (up to 24 hours before)
- Valid reasons: Emergency, illness, technical issues
- Reschedule option in student dashboard
- Select new slot from mentor's availability
- Confirmation of new time

### **Viva Best Practices (Tips for Students):**

**Do's:** ✓ Be punctual (join 5 minutes early) ✓ Professional appearance and background ✓ Good lighting and audio quality ✓ Have project ready to demonstrate ✓ Be honest if you don't know something ✓ Think before answering ✓ Ask for clarification if needed ✓ Show enthusiasm about your project ✓ Take notes during feedback ✓ Thank mentor at the end

**Don'ts:** X Don't join late without notice X Don't memorize answers (mentors can tell) X Don't blame others for project issues X Don't argue with mentor X Don't make excuses for gaps in knowledge X Don't rush through explanations X Don't be in noisy environment X Don't have distractions around you

### 3.4.5 Verification Results & Badges

**Feature Description:** Official recognition of verified skills with badges displayed on profile.

**Verification Badge System:**

**Badge Levels:**

#### 1. Verified ✓ (Green checkmark)

- Passed project and viva
- Standard verification
- Most common badge

#### 2. Verified with Distinction 🌟

- Score 85+ in evaluation
- Exceptional demonstration
- Rare, prestigious badge

#### 3. Certified Expert 🏆

- Multiple related skills verified
- Advanced-level projects completed
- Mentor-nominated

**Badge Visual Design:**

- Skill name with checkmark icon
- Color-coded by level (Green/Gold/Platinum)
- Verification date
- Hover shows: Mentor name, score, project title
- Clickable for full details

**Where Badges Appear:**

#### 1. Student Profile:

- Skills section (next to skill name)

- Prominent in profile header

- "X Skills Verified" count

## 2. Resume:

- Automatically added to verified skills

- Option to include/exclude

- Visual badge icon in generated resume

## 3. Job Applications:

- Highlighted in application preview

- Employers see "Verified Skills" section

- Filter