

A. G. PATIL COLLEGE OF ENGINEERING SOLAPOR

LifeLine in association withlovable.dev

PRESENT

AGTECHHHACKTHON

HACKTHON 2025

Team - GCOEY

Domain - EdTech Projects

Team - AI Powered Career Coach

Problem Statement

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The current job market is facing a major skill gap, where many job seekers lack the skills companies are looking for. Traditional job preparation methods are outdated and don't offer AI-driven insights, personalized learning, or real-time feedback. Because of this, candidates struggle to get job-ready, and companies face delays in hiring the right talent, making the entire recruitment process slow and inefficient.

Challenges in the Job Market:

- 🎓 India's B.Tech Crisis – The Skills Gap
 - 📈 20+ lakh B.Tech grads every year
 - ✗ Only 20–30% are industry-ready
 - 💼 81% employers face hiring issues due to skill mismatch
 - 🗺 50.3% employability rate – nearly half not job-ready
 - 🚫 29% graduates unemployed – 9x more than illiterates
 - ⏳ Slow hiring due to outdated recruitment methods
 - 🛍 No structured career guidance or hands-on learning
- ➡ Result: A degree ≠ a job anymore.

Example Scenario:

Meet Rushi



Rushi applies for multiple SDE roles

Struggles to match company expectations

Rushi is confused about the right career path

Lack of targeted skill development and interview preparation

Faces rejection from companies

Millions of job seekers face similar challenges

Proposed Solution

The Ideated Solution

What the Platform Offers:

- AI-powered career guidance to help students get the right job roles
- Personalized career roadmaps based on individual skills and market trends
- Mock interviews with real-time feedback to improve performance
- Skill-based learning modules to build job-specific abilities
- Soft skill training through simple, practical exercises
- Progress tracking with regular tips and suggestions to stay on track

Approach To Be Taken

- **Analyze:** Assess individual career preferences and skills.
- **Recommend:** AI-based suggestions for job roles and career paths.
- **Prepare:** Provide video courses, mock interviews, and real-time feedback.
- **Optimize:** Adjust learning paths based on performance and industry needs.
- **Engage:** Gamify learning with rewards and progress tracking.

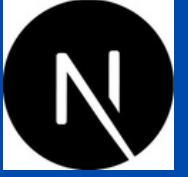
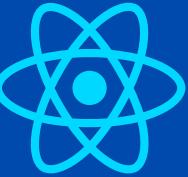
Unique Features

- **Ikigai-Based Mapping** – Aligns career with passion and market demand.
- **Real-Time Feedback** – Helps adjust learning paths and improve performance.
- **Gamification** – Increases engagement through rewards and badges.
- **Industry-Specific Roadmaps** – Keeps career paths updated with market trends.
- **Soft Skills Development** – Breaks soft skills into actionable steps.
- **AI-Powered Resume Analysis** – Provides real-time suggestions to improve resumes for better job matching.
- **Mock Interviews & Coding Rounds** – Simulates real-world interviews with instant feedback and improvement tips.

Technical deep dive

Tech Stack

- **Frontend** – HTML, Tailwind CSS , ReactJS
- **Backend** – Next.js
- **AI** – Gemini AI API (for smart AI-driven features)



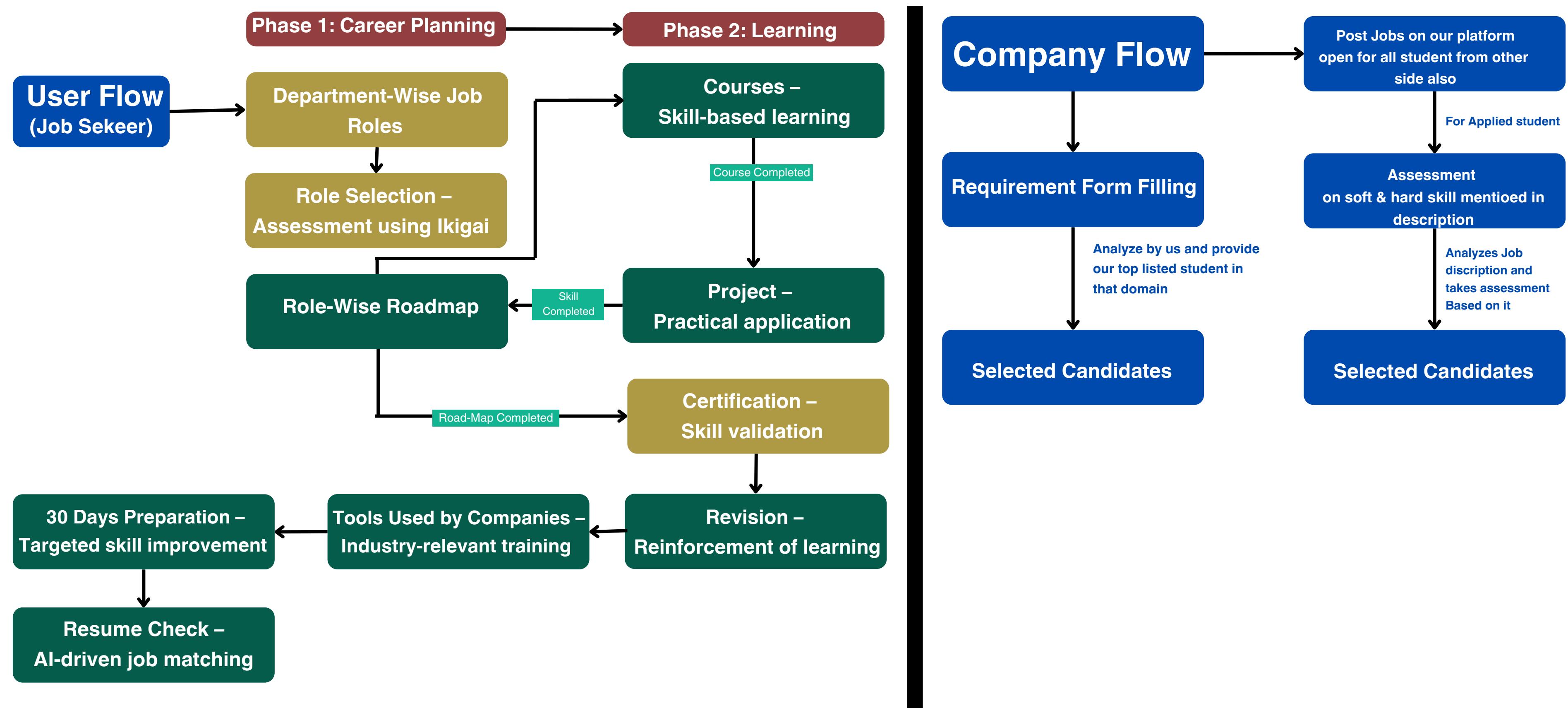
Key Algorithms/Innovations

- **AI Career Path Recommendation** – AI-based suggestions using user data and market trends.
- **Resume Evaluation** – Automated resume analysis to highlight strengths and improvement areas.
- **Skill Gap Analysis** – Identifies and recommends ways to improve skills.
- **Mock Interview Simulations** – AI-driven real-time practice and feedback.

Business Model

- **Subscription Mode** – Monthly/yearly plans for advanced career tracking, AI-based recommendations, and personalized insights for students.
- **College-Level Bulk Mode** – Special discounted packages for universities, offering access to custom training modules and career mapping.
- **Tier-Based System for companies** –
 - Tier 1: Aptitude-based learning (basic)
 - Tier 2: Technical learning (intermediate)
 - Tier 3: Combined package (advanced)
- **Job Portal** – Platform for companies to post jobs and hire candidates directly. AI-based candidate matching.
- **Hiring Portal** – Provides companies access to a talent pool filtered by AI-based assessments and skill compatibility.

System Architecture / Workflow



About Solution

Where Will It Be Used?

Where Will It Be Used? (Target: Tier II & Tier III B.Tech Colleges)

Colleges & Universities

Integrated with placement cells to help students prepare better for jobs.

Online Learning Platforms

Added as a smart AI-based feature to give students personalized skill-building support.

Companies & Startups

Used by HR teams to identify talent early and train freshers with the right skills.

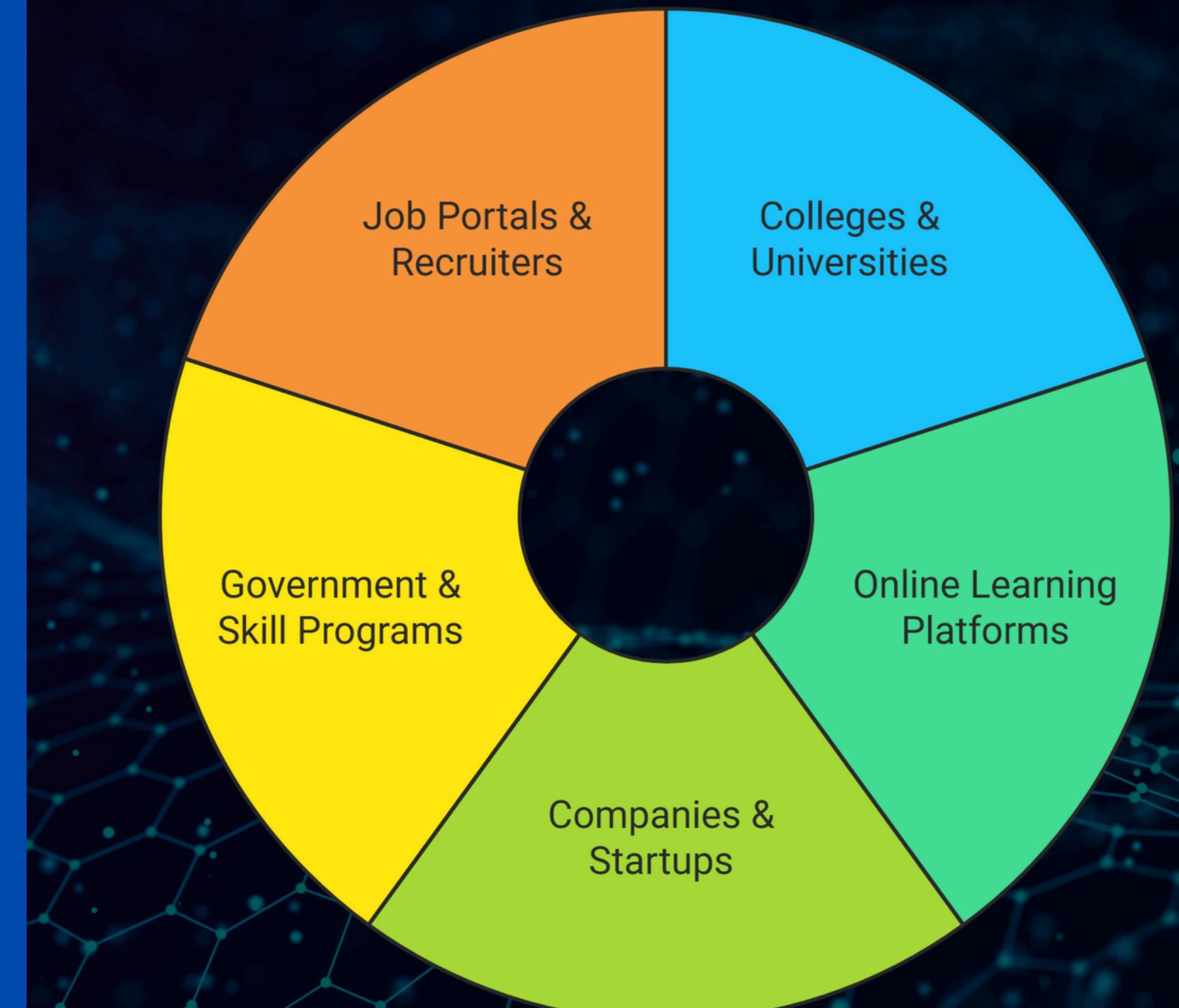
Government & Skill Programs

Supports government initiatives to improve employability in small towns and rural areas.

Job Portals & Recruiters

Matches students with jobs based on their skills and auto-improves their resumes.

Comprehensive Skill Development Ecosystem



Utility & Innovation



Conceptual growth



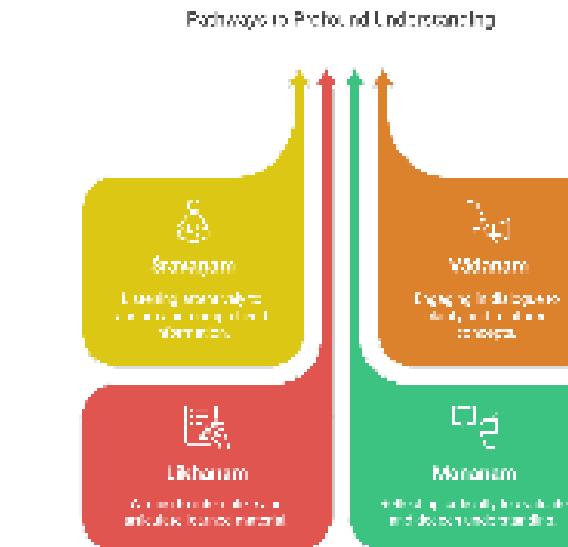
5-hour log-in period



25 min one time window



Ikigai Concept



Vedas Base Learning



24*7 Automated Approach

Scalability

Current Market Size & Growth

Current Valuation: \$7.5 billion (~₹62,250 crore)

Projected Valuation (2030): \$29 billion (~₹2,40,500 crore)

Growth Drivers:

Digital expansion, hybrid learning, AI-based education, and demand for skill development.

TAM (Total Addressable Market):

Approximately: **240,700** Crores Indian Rupees

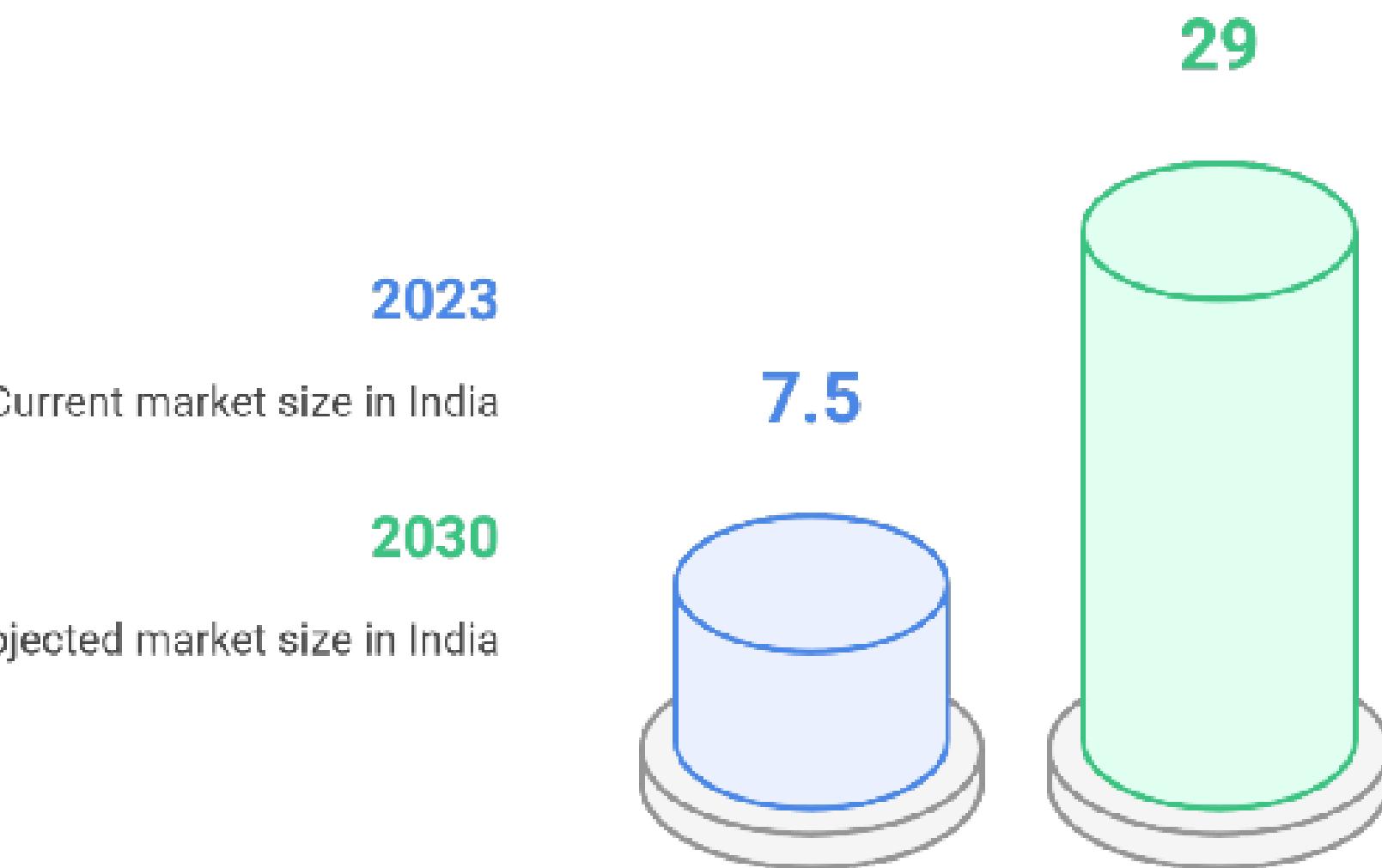
SAM (Serviceable Available Market):

Approximately: **24,070** Crores Indian Rupees.

SOM (Serviceable Obtainable Market):

Approximately: **240.7** Crores Indian Rupees.

Projected Growth of EdTech Market in India



Made with Napkin

Economic Sustainability

1 Student Subscription Model (B2C)

- Target: 100,000 students
- Pricing: ₹200/month per student
- Estimated Revenue: ₹24 crore/year

💡 Growth Potential: Capturing just 0.25% of India's 40M college students scales this to ₹100 crore+ annually.

2 College Bulk Subscription Model (B2B)

- Target: 100 colleges (min 1000 students per college)
- Pricing: ₹150/student/month
- Estimated Revenue: ₹18 crore/year

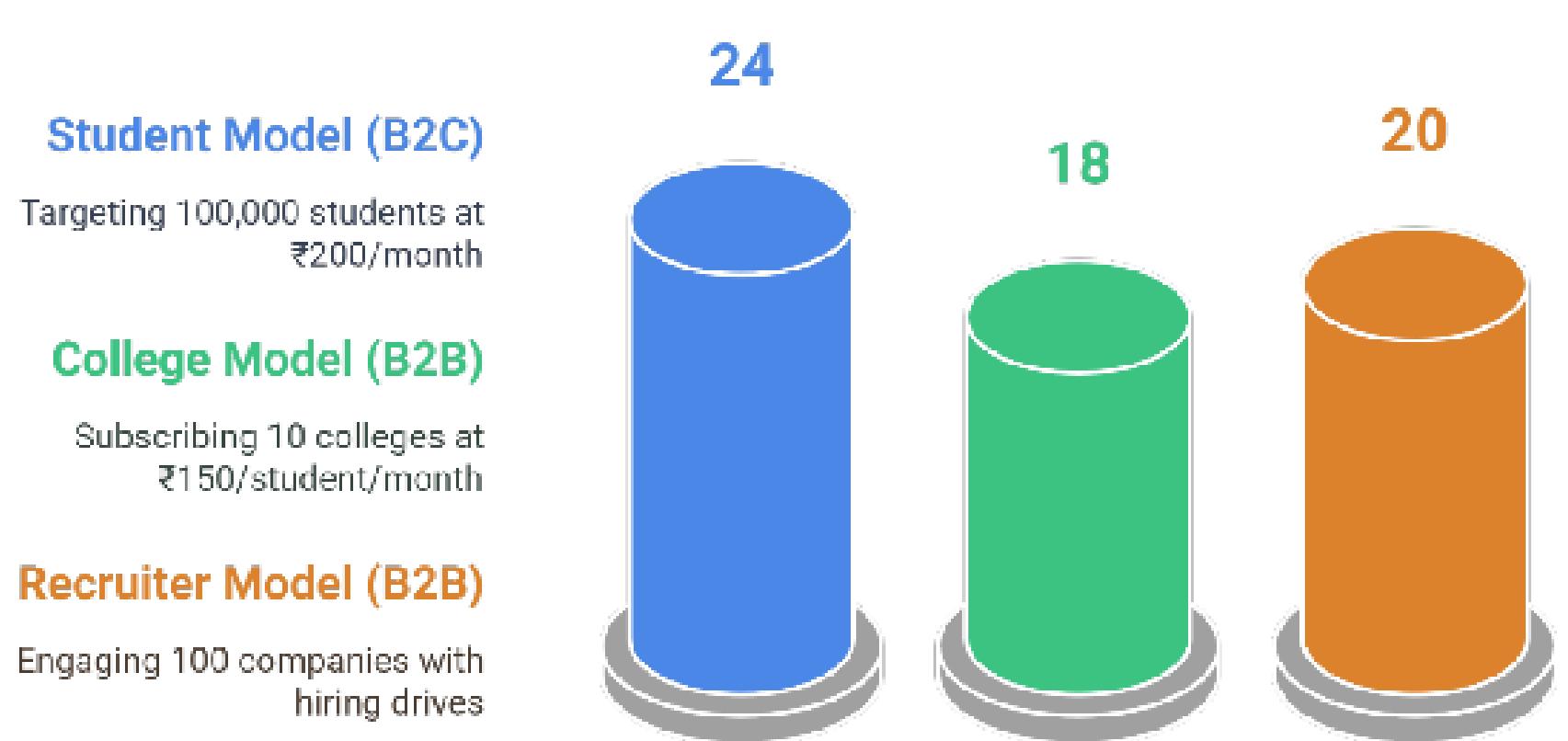
💡 Scaling Potential: Reaching 100 colleges can push this beyond ₹180 crore/year.

3 Recruiter Hiring Fee Model (B2B)

- Target: 100 companies
- Pricing: ₹15,000 per hiring drive
- Estimated Revenue: ₹20 crore/year

💡 Scaling Potential: With corporate tie-ups, AI hiring & job fairs, this can exceed ₹100 crore+ annually.

Projected Annual Revenue by Business Model



Made with ➡ Napkin

Future Scope



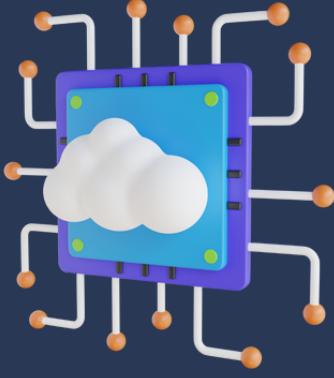
Enhanced AI & Career Guidance

- Improved AI algorithms for accurate career path recommendations.
- Real-time skill gap analysis and personalized feedback.
- AI-driven resume building and job-matching suggestions.



Mobile Accessibility & Global Reach

- Develop a mobile-friendly app for easy access and career guidance.
- Multi-language support for international job markets.
- Expand industry-specific learning modules and assessments.



Advanced Machine Learning & Validation

- Use ML to refine recommendations and enhance feedback accuracy.
- Include human interaction for validation and improved user experience.
- AI-powered soft skill training and real-world job simulations.

Execution plan



🧠 PHASE 1:



📝 PHASE 2:



💡 PHASE 3:



🎯 PHASE 4:

1

CAREER PLANNING

📌 **Objective:** Help users identify the right career path based on their interests and department.

- ✿ **Features:**
- Department-wise Job Roles
 - Check My Role
 - Role Roadmap
 - Course Roadmap

2

LEARNING & DEVELOPMENT

📌 **Objective:** Equip students with the skills and knowledge needed to succeed in their chosen path.

- ✿ **Features:**
- Courses
 - Explore Courses
 - Projects & Project Verification
 - Recall (Interview Q&A)
 - JD wise Preparation
 - 30 Days Preparation Plan

3

INTERVIEW PREPARATION

📌 **Objective:** Help users confidently prepare for real-world interviews with personalized and practical support.

- ✿ **Features:**
- Tools Companies Use
 - Check My Resume
 - Prepare for Jobs
 - Mock up interview
 - Coding Round

4

FINAL PROTOTYPE

📌 **Objective:** Combine all phases and onboard Company to complete the ecosystem.

- ✿ **Company Features:**
- Company Dashboard
 - Post Jobs
 - Evaluate Students
 - Conduct Assessments
 - Hire Talents
 - Arrange Assessment