

SMART INDIA HACKATHON 2025



•**Problem Statement ID** - SIH25094

•**Problem Statement Title** - One-Stop

Personalized Carrer & Education Advisor

•**Theme** - Smart Education

•**PS Category** - Software

•**Team ID** - return_True

•**Team Name** - return_True



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True

CareerMargDarshan



❖Proposed Solution

Interactive aptitude quiz : To assess student interests and strengths.

Course-to-Career Mapping: Visually maps degree choices to various career outcomes.

Nearby Government Colleges Directory: Use AI-driven search and filters to help students discover the right government colleges based on courses, eligibility, and facilities.

Timeline Tracker: Timeline tracker for admission, exam, and scholarship deadlines.

Student Personalized Dashboard : An AI-powered personalized dashboard that empowers students by tracking their progress, suggesting courses, and delivering tailored career guidance.

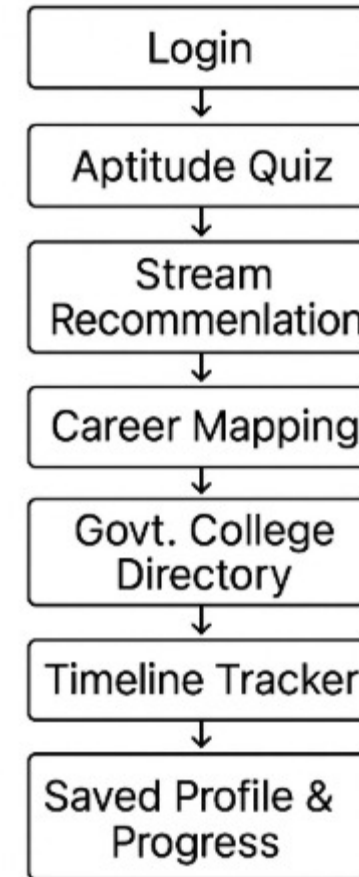
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TECHNICAL APPROACH



- **Frontend:** React.js , React Native
Quiz, dashboard ,directory
- **Backend:** Node.js + Express.js
Handles all APIs and business logic.
- **Database:** MongoDB or Neon
Stores quiz rules, courses, colleges, timelines, user profiles.
- **Logic in DB:** Predefined mappings (quiz → stream → career).
- **Timeline Tracker:** Express + MongoDB
- **Student Personalized Dashboard :** Deliver person-alized progress and guidance.

Methodology



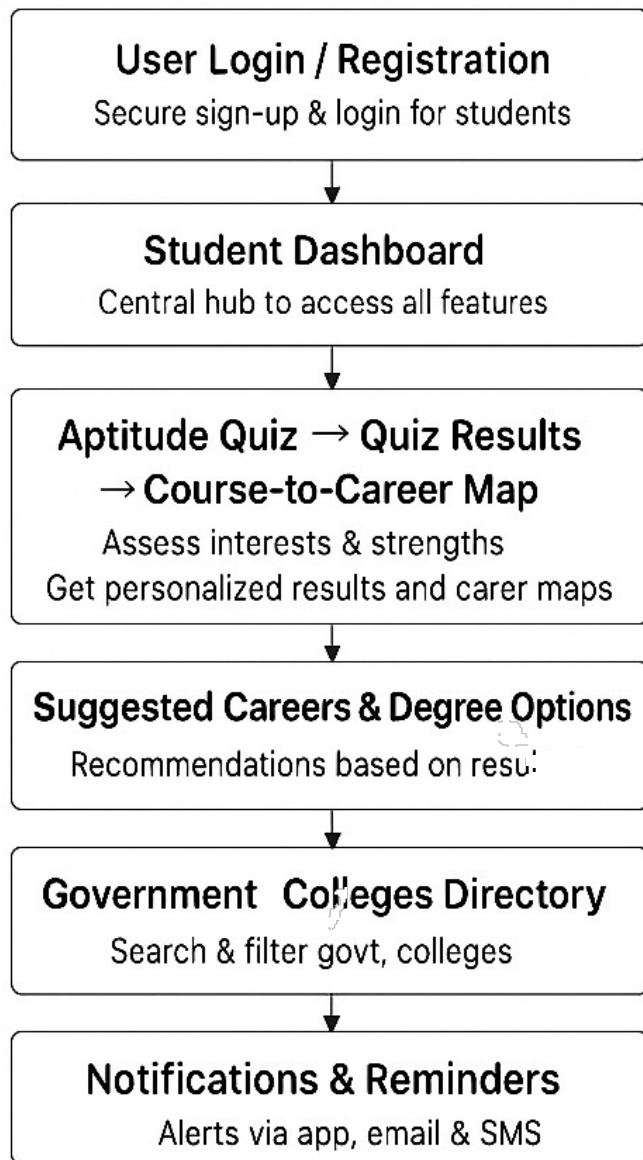
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Workflow

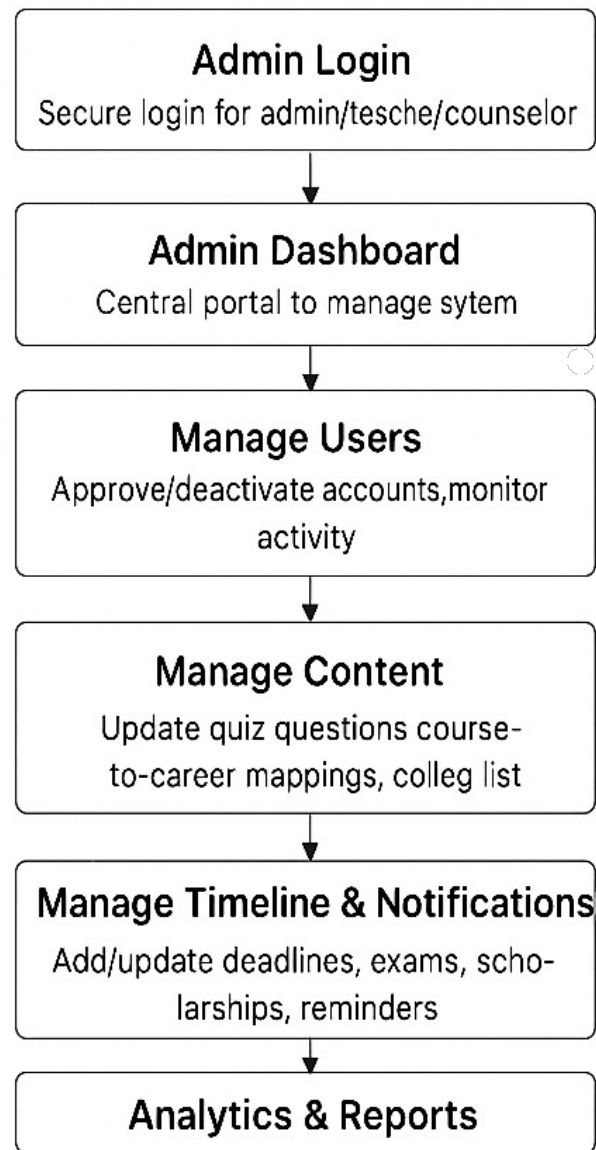


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Student Side



Admin Side



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FEASIBILITY AND VIABILITY



- **Feasibility :**

Targets the core awareness gap, making the solution both cost-effective and feasible.

Directly answers specific student confusions, which guarantees high relevance and demand

- **Challenges & Risks :**

Overcoming the digital divide to ensure the platform can reach every single student.

Countering the prevailing skepticism about the value of degrees over short-term courses.

- **Strategies :**

Use the platform's College Directory to improve the perception of local government colleges.

Empower students with career clarity by providing visual Course-to-Career maps.

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IMPACT AND BENEFITS



- **Potential Impact on Target Audience :**

Students get clear career and course guidance after Class 10 & 12.

Parents gain awareness of graduation benefits and career opportunities.

Teachers/counselors have a structured tool to guide students effectively.

- **Benefits of the Solution :**

Social: Empowers students, reduces dropouts, helps parents & teachers.

Economic: Builds skilled workforce, strengthens government colleges, cuts private costs.

Environmental: Digital-first, reduces paper and printing.

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RESEARCH AND REFERENCES



- **Maharashtra Admission Portal:**

A state-wide online portal for Class 11 that streamlines admissions and provides a career-path tool to guide students in choosing streams and planning careers.

<https://timesofindia.indiatimes.com/city/nagpur/from-policy-making-to-students-career-path-new-admission-portal-to-be-a-game-changer-state-education-commissioner/articleshow/121276341.cms>

- **Edumilestones – Career Counselling in Schools:**

Highlights the rising need for career guidance in schools and provides tools to implement effective , structured counselling for students.

<https://www.edumilestones.com/blog/details/Growing-demand-for-career-counselling-in-schools>