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# **BrahmaX 1.0**

The Creation of Tomorrow

**BrahmaX 1.0**

[www.codecrax.com](http://www.codecrax.com)



DIVERSE DIVAS

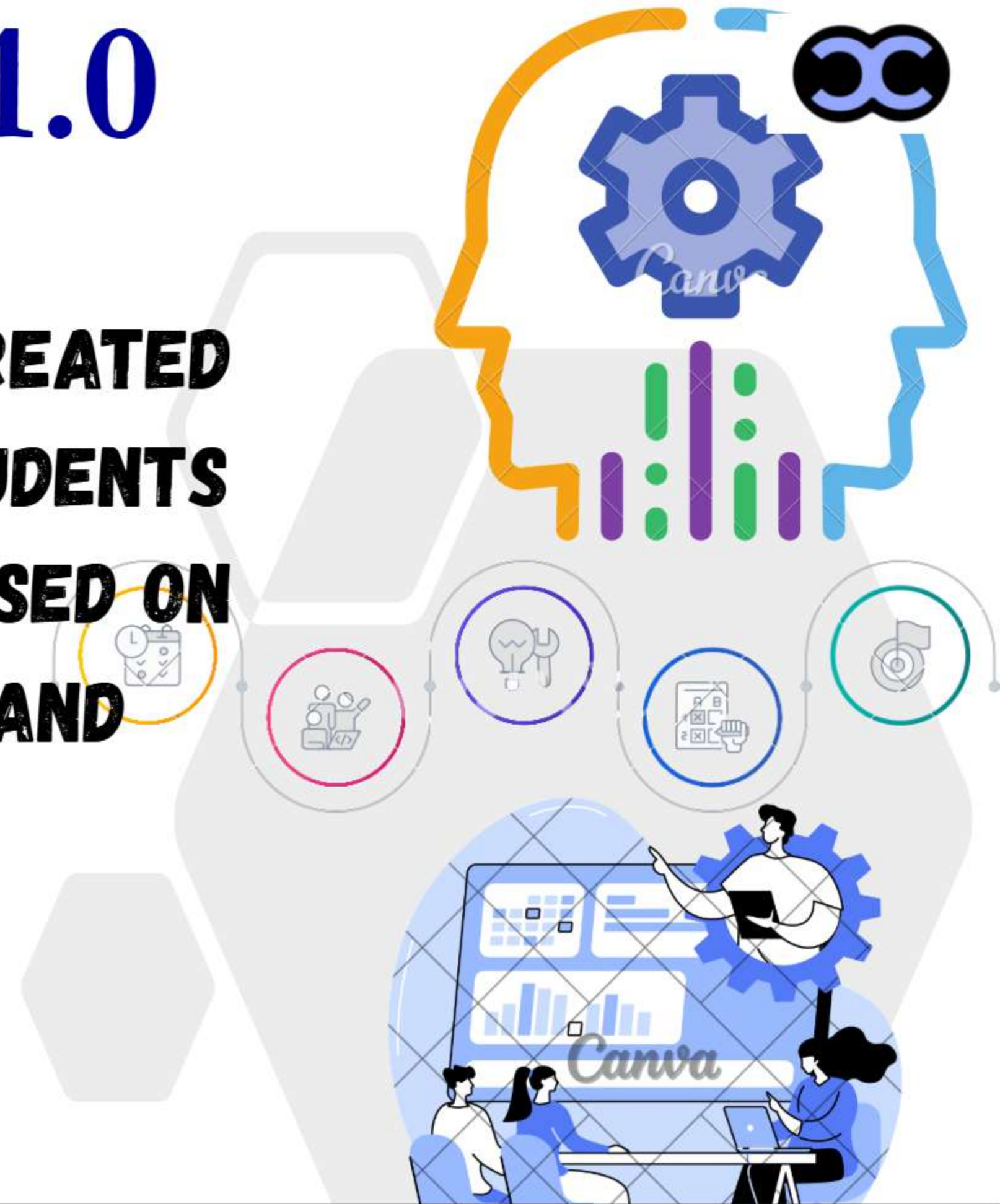
# BrahmaX 1.0

**THEME – EDTECH**

**PROBLEM STATEMENT TITLE – WE'VE CREATED  
A DYNAMIC PLATFORM THAT HELPS STUDENTS  
DISCOVER THE BEST CAREER PATHS BASED ON  
THEIR UNIQUE STRENGTHS, INTERESTS, AND  
GOALS.**

**TEAM ID –**

**TEAM NAME – DIVERSE DIVAS**



**BrahmaX 1.0**

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# IDEA/APPROACH DETAILS



## The Challenge

- Choosing the right career is overwhelming for students.
- Pressure from parents, peers, and society often leads to the wrong path.

## Our Solution

- We've built a dynamic, student-focused website.
- Helps students discover careers that match their skills, interests, and passions.
- Provides personalised guidance at key decision points.

## Goal

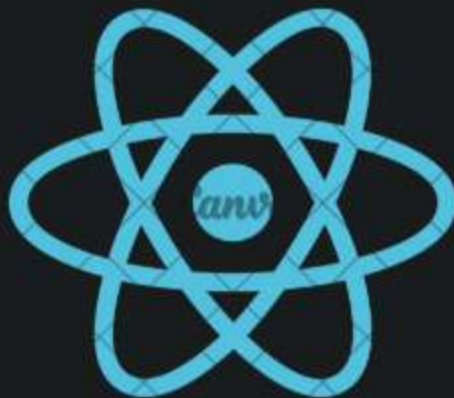
- Empower students to make informed, confident career choices for a fulfilling future.





# TECHNICAL APPROACH

## Technology used



## Methodology

**Research & Requirement Gathering**  
Identify student pain points, existing solutions, and target audience needs.

**Design Thinking**  
Create user personas, journey maps, and wireframes to guide development.

**Development Phase**  
Frontend + Backend development  
Integration of AI/ML models for smart career suggestions

**Testing & Feedback**  
Beta testing with students and educators  
Iterative feedback loops for improvement

**Deployment & Maintenance**  
Hosting on cloud (e.g., Vercel / Heroku)  
Regular updates based on user interaction

## Process flow

Student Login]



[Skill & Interest Assessment]



[Career Match Algorithm]



[Personalized Career Suggestions]



[Guided Pathways & Resources]





**Greater career satisfaction and mental well being**

**Students aligned with their interests experience higher job satisfaction and reduced burnout, leading to improved emotional health.**

**Inclusive Access and Institutional Impact**

**Scalable tech ensures equitable guidance, while student insights help schools tailor educational and counseling strategies.**

**Smarter, Informed Decision on**

**Empowers students to make self-aware, pressure-free choices, minimizing career shifts and dropouts.**

**Future ready talent pipeline**

**Equips students with clarity on modern careers and required skills, preparing them for the evolving job market.**

**Boosted productivity and Engagement**

**Passion-driven choices create more motivated, focused, and high-performing professionals.**







## GREATER CAREER SATISFACTION & MENTAL WELL-BEING

Students aligned with their interests experience higher job satisfaction and reduced burnout, leading to improved emotional health.



## BOOSTED PRODUCTIVITY & ENGAGEMENT

Passion-driven choices create more motivated, focused, and high-performing professionals.



## SMARTER, INFORMED DECISIONS EARLY ON

Empowers students to make self-aware, pressure-free choices, minimizing career shifts and dropouts.



## FUTURE-READY TALENT PIPELINE

Equips students with clarity on modern careers and required skills, preparing them for the evolving job market.



## INCLUSIVE ACCESS & INSTITUTIONAL IMPACT

Scalable tech ensures equitable guidance, while student insights help schools tailor educational and counseling strategies.



# feasibility and viability



## Feasibility

- Tech Stack: HTML, CSS, JS, Node.js, MongoDB — scalable & standard.
- Deployment: Cloud-ready (Vercel, Netlify, Heroku).
- Maintenance: Modular, easy to update.
- Accessibility: Responsive across devices.



## Challenges & Risks

- Security threats
- Performance lags
- Browser inconsistencies
- User adoption hurdles
- API integration complexity



## Mitigation Strategies

- Secure with HTTPS, JWT, and validation
- Optimize content & enable caching
- Cross-browser testing tools
- Onboarding & user support
- Standardized API use



# CORE PARAMETERS FOR A CAREER RECOMMENDATION QUIZ



## Interests

- What subjects or activities do they enjoy?
- E.g., reading, coding, art, solving puzzles, leading teams, helping others.

## Personality Type (based on MBTI or Big Five)

- Are they introverted or extroverted?
- Are they more analytical or creative?
- Are they risk-takers or prefer stability?

## Skills & Strengths

- What are they naturally good at?
- Logical thinking, communication, creativity, empathy, problem-solving, leadership, etc.

## Academic Performance / Preferences

- Strongest subjects in school/college
- Do they prefer theory or practical-based learning?

## Values and Motivations

- What drives them—money, impact, freedom, recognition, helping others, etc.?

## Working Style Preferences

- Do they like working solo or in teams?
- Prefer structure or flexibility?
- Office work vs.

## Lifestyle Expectations

- Do they want a 9-to-5 or a flexible schedule?
- High-income vs. work-life balance?
- Urban or remote work?

## Hobbies & Extracurriculars

- Sports, music, gaming, writing, volunteering—these can point to hidden strengths.

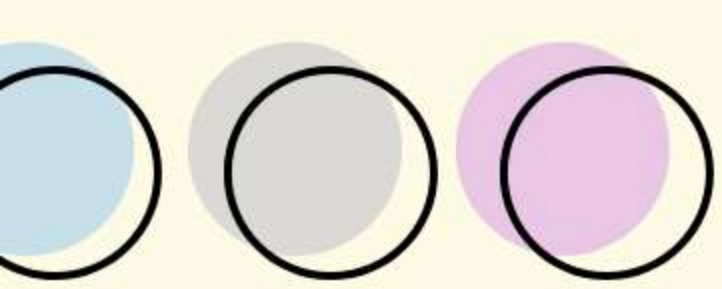
## Decision- Making Style

- Logical vs. emotional
- Quick decisions vs. thoughtful planning

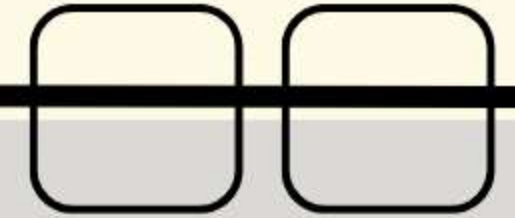
## Future Goals

Do they aspire to be entrepreneurs, researchers, public servants, etc.?





# REFERENCES



Harvard Business Review

"The Best Career Path Isn't Always the Straightest One."

<https://hbr.org/2021/04/the-best-career-path-isnt-always-the-straightest-one>

Learnful Career Satisfaction Report (2023)

Study on job satisfaction based on interest-driven vs. pressure-driven career decisions.

<https://learnful.ca/blog/career-satisfaction-study>

Global Scientific Journal (GSJ) – Volume 11, Issue 3, 2023

"Parental and Peer Influence on Student Career Choices"

<https://www.globalscientificjournal.com/research/gsj123456789>

These insights helped shape the problem statement, emphasizing the importance of aligning career choices with personal interests. They validated the need for a more guided, student-centric approach in career decision-making – forming the foundation for our proposed solution.