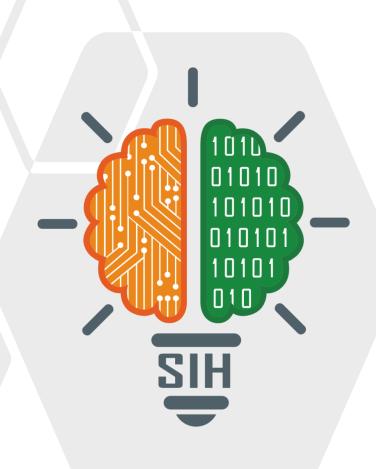# SMART INDIA HACKATHON 2024

- **Problem Statement ID –** 1666

- **Problem Statement Title** - Develop Effective Career Counselling and Guidance Programs in Schools to Enhance Student Career Choices

- **Theme-** Smart Education

- **PS Category-** Software

- **Team Name** - EduVisionaries

Leading Insights for Navigating Knowledge

❖ Proposed Solution

- **Career Mentorship Programs:**

Establish a network of professionals from diverse fields to mentor students, offering tailored guidance and insights into various careers.

- **Comprehensive Career Resource Portals:**

Develop an all-encompassing online platform providing resources on career options, skill requirements, educational pathways, and job market trends.

- **AI-Driven Personalization:**

Implement AI to deliver customized career advice, drawing from students' strengths, interests, and real-time industry data..

TECHNICAL APPROACH

- **Languages**:
   Python (AI/ML models), JavaScript (frontend), Node.js (backend)
- **Frameworks**:
TensorFlow (AI), React.js (frontend), Express.js (backend)
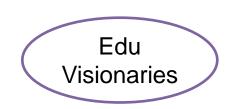- **Databases**:
   MongoDB (for user data, psychometric assessments)
- **APIs**:
 Job Market APIs (for real-time job data), Education APIs (for courses and certifications)
- **Data Visualization**:
   Power BI (for career path and salary trend visualization)

FEASIBILITY AND VIABILITY

- **Feasibility**:

Our platform leverages established technologies like AI/ML and cloud infrastructure, ensuring scalability and reliability. Real-time API integration enhances the accuracy of the data Provided.
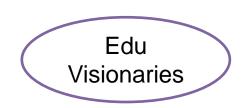
- **Challenges**:

 Ensuring data accuracy, driving user adoption, handling scalability, and addressing AI bias are potential hurdles.

- **Overcoming Data and Scalability Issues**:

Form strategic data partnerships, conduct regular system audits, and utilize cloud services for automatic scaling and performance optimization

- **User Engagement and Retention**:

Continuously gather user feedback, refine AI models, and enhance the user experience to maintain engagement and relevance.

IMPACT AND BENEFITS

•**Target Audience Impact**:

Empowers students by providing personalized career guidance and mental health support, leading to more informed career decisions and overall well-being.

•**Educational Alignment**:

Directs students towards skills and careers that align with current and future job market demands, creating a more relevant educational experience.

•**Social Benefits**:

Promotes awareness of mental health, reducing stress and cultivating a supportive environment within the student community.

•**Economic Benefits**:

Helps build a more skilled workforce, reducing unemployment and driving economic growth.

Edu Visionaries

- https://files.eric.ed.gov/fulltext/ED613308.pdf
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7778393/
- https://www.pushfar.com/article/the-importance-of-career-counselling/
- https://www.researchgate.net/publication/357685235_Exploring_the_Role_and_Importance_of_Career_Counselling_in_Developing_Awareness_of_Graduate_Students'_Career_Choices_during_Corvid_19