

TITLE PAGE

MOTIVATION

ADVICE

Project Overview: Mentor Connect

- **Problem Statement ID:** 1630
- **Title:** Mentor's Mantra
- **Theme:** Smart Education
- **Category:** Software

Team Details:

- **Team ID:** 10025
- **Team Name:** ByteNest



SUPPORT

COACHING

DIRECTION

❖ Proposed Solution : Mentor's Mantra

- ❑ **Problem:** Lack of personalized, structured mentorship.
- ❑ **Solution:** AI-driven platform that connects mentees with industry experts, automating scheduling and providing seamless communication.

❑ How It Helps:

- Saves time with automated scheduling.
- Provides personalized career guidance.
- Ensures secure, integrated communication.

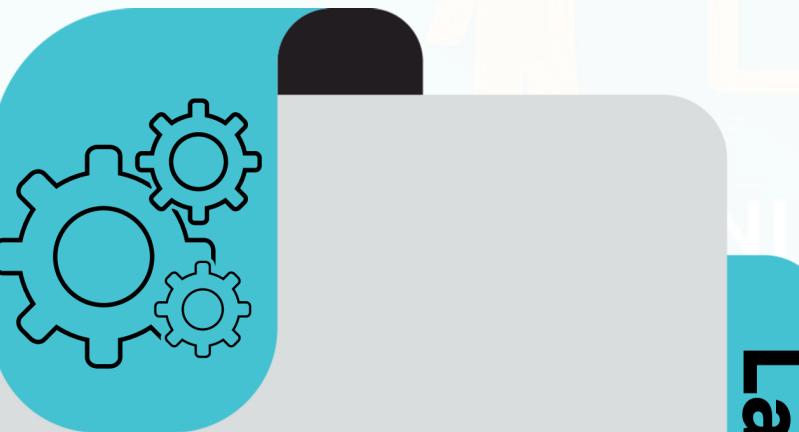


❑ Innovation and uniqueness

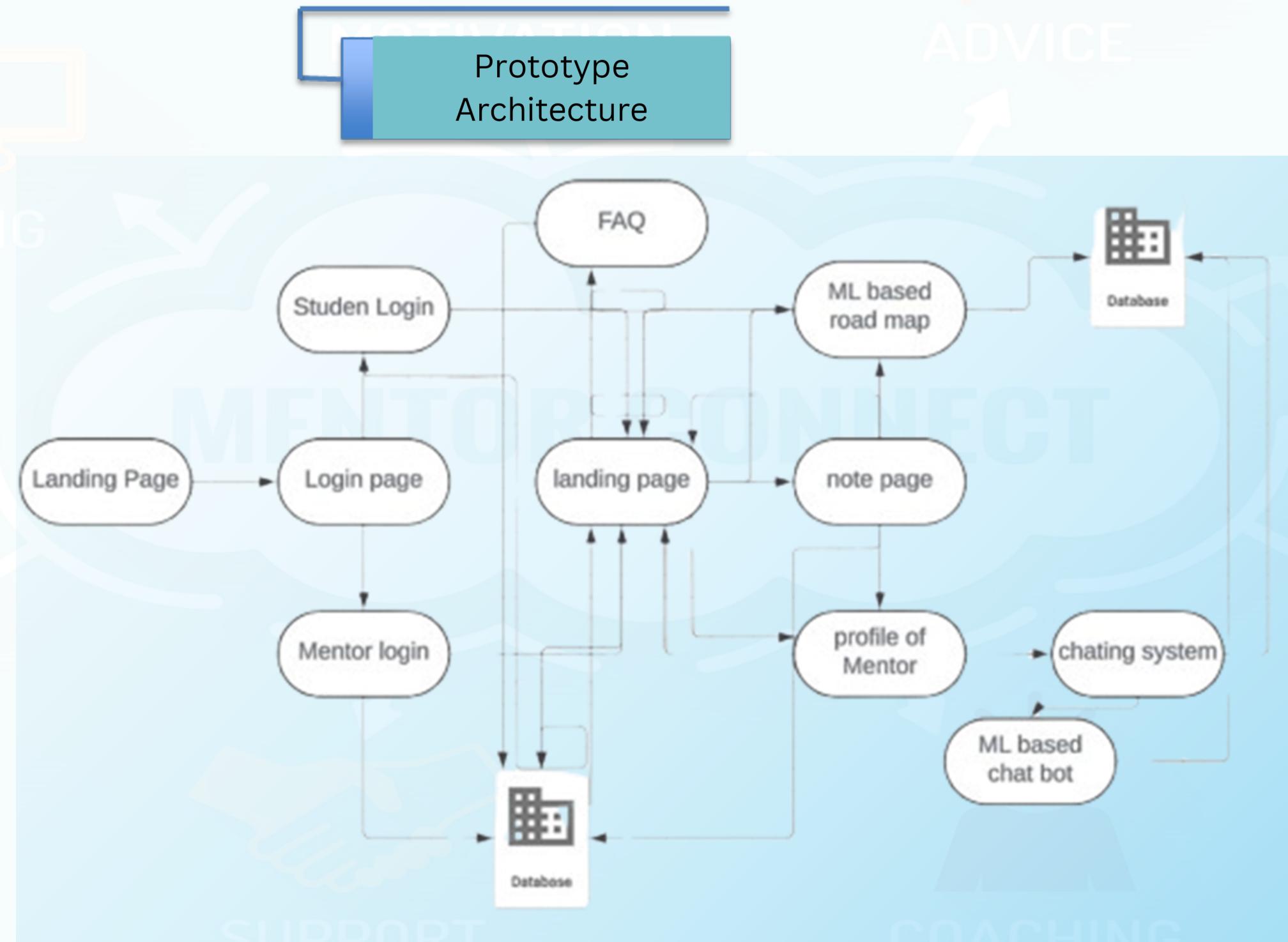
- **AI-Driven Personalization:** Tailored mentor-mentee matching and automated scheduling optimize mentorship process.
- **Fully Integrated System:** In-platform video calls and feedback loops create seamless, adaptive mentorship experiences.

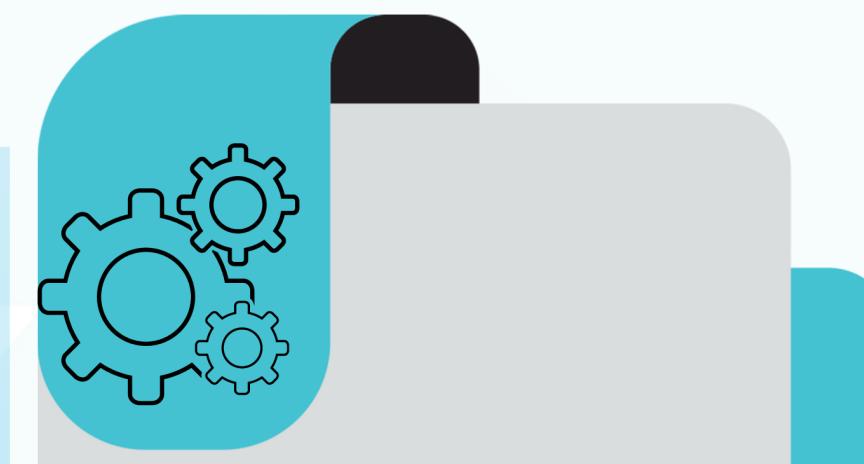
TECHNICAL APPROACH



 Languages & Tools

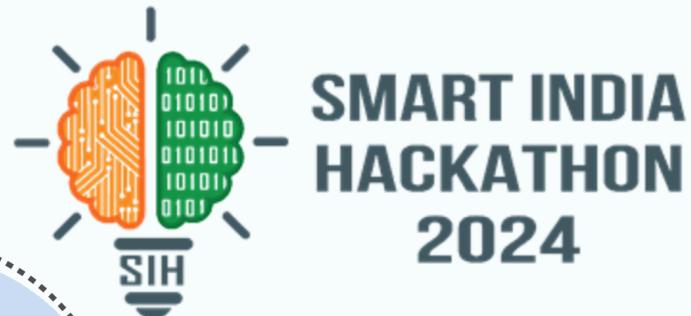
Frontend: HTML/CSS
Backend:
Node.js/Django
AI/ML: Scikit-learn
Database: PostgreSQL
Video Calls: WebRTC
Calendar: Google
Calendar API
Security: OAuth 2.0



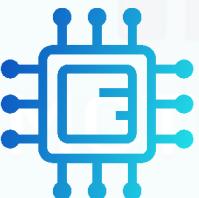
 Methodology

Design: UI/UX wireframe
Development: Build frontend, backend, and AI/ML features.
Testing: Perform unit, integration, and user testing.
Deployment: Cloud deployment on Azure.

FEASIBILITY AND VIABILITY



Technical Feasibility



Leverages: Existing technologies (Calendly, WebRTC, AI/ML)

Market Feasibility



Demand: High for AI-driven mentorship platforms

Operational Feasibility



Scalable: Cloud deployment, user-friendly interface

Precise mentor-mentee matching



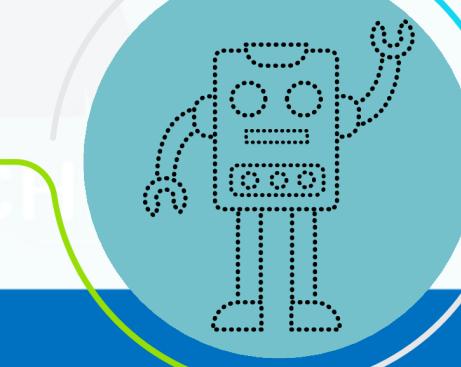
Continuous model training

Securing personal data



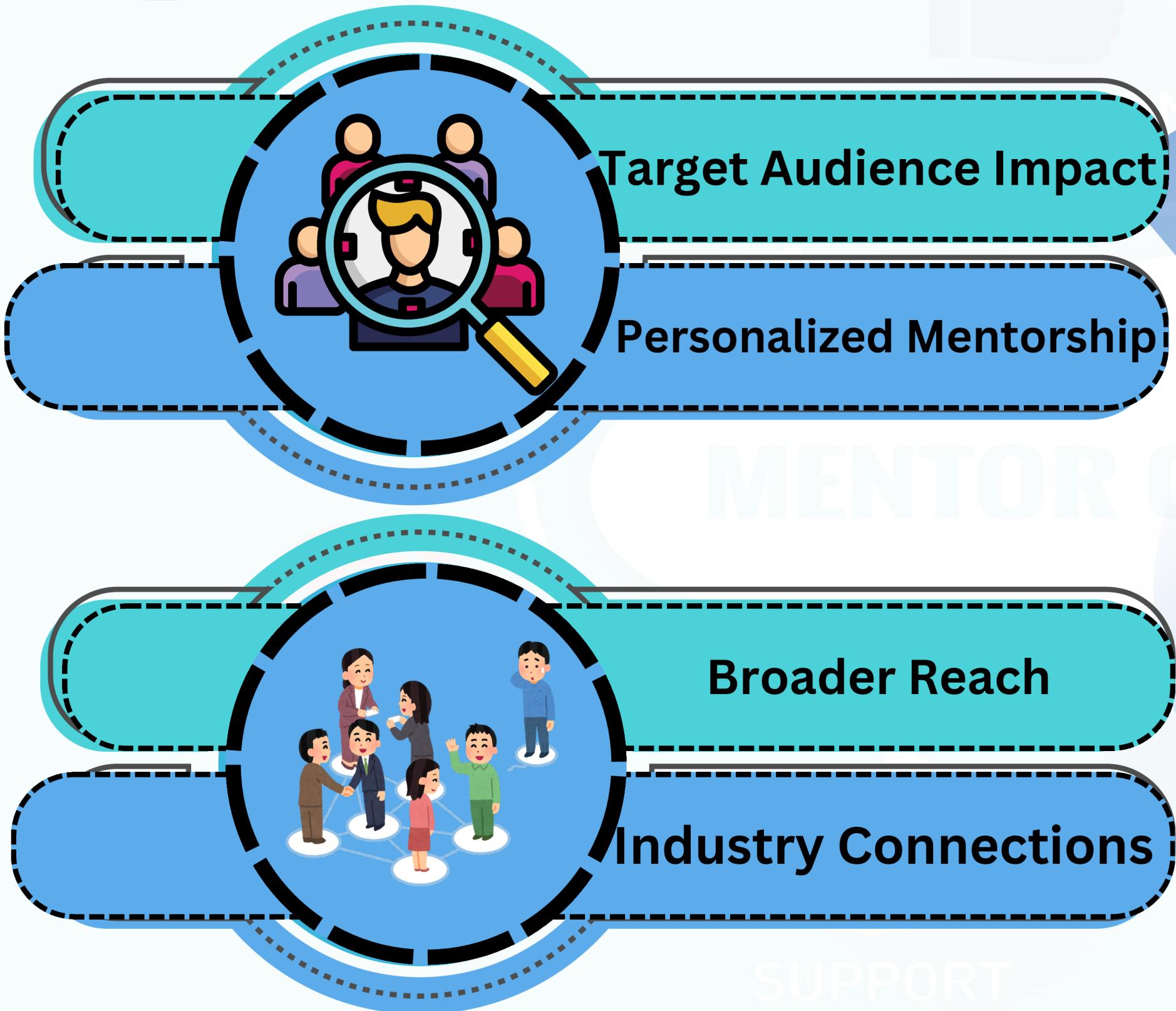
Strong encryption, compliance

Engagement of mentors/mentees



Tutorials, incentive, seamless UX

IMPACT AND BENEFITS



Social Impact



Fosters skill development and access to expert guidance regardless of location

Economic Impact



Enhances employability, leading to better job opportunities and economic growth

Environmental Impact

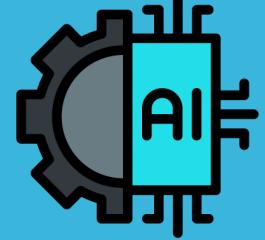


Promotes virtual mentoring, reducing travel and lowering carbon footprint

RESEARCH AND REFERENCES



SMART INDIA
HACKATHON
2024



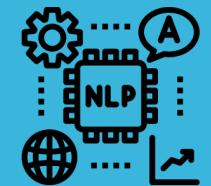
AI and ML in Career Guidance

[Read Article]

Article: "How AI is Transforming Career Guidance"

Author: John Doe

Source: Tech Journal, 2023



NLP for Mentorship

[Read Paper]

Paper: "Natural Language Processing for Career Advice Systems"

Authors: Jane Smith, Emily Brown

Source: Journal of AI Research, 2022



Case Studies on Virtual Mentoring

[Read Study]

Study: "Virtual Mentoring: Benefits and Challenges"

Authors: Sarah White, Robert Black

Source: Career Development Quarterly, 2021



Additional Resources

[Read Paper]

TensorFlow Documentation: TensorFlow Guide

spaCy NLP Library: spaCy Documentation

Calendly API Documentation: Calendly API