Details of team and problem statement.

Ministry of Education/Organization Name/Student Innovation:
Problem under Ministry of Education

PS Code: SIH1434

Problem Statement Title:
Making Career Choices and AI-Based Counseling Accessible to Every Child at the Secondary Level Along with Aptitude Tests and Detailed Career Paths

Team Name:Cipher

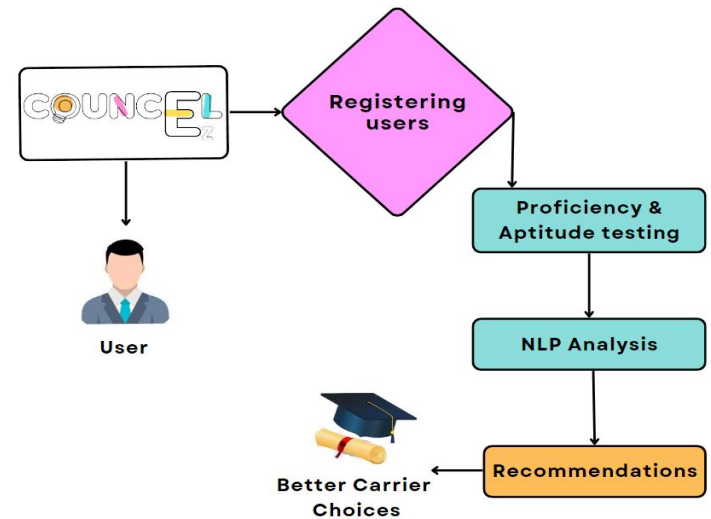Team Leader Name: Suyash Agarwal

Institute Code (AISHE):c-36239

Institute Name: Madhav Institute of Technology & Science , Gwalior

Theme Name: Smart Education

COUNCEL

MAPPING CAREERS, INSPIRING FUTURES

In a rapidly evolving world, making informed career choices has become increasingly critical. However, students at the secondary level often lack access to comprehensive career guidance. Our project aims to bridge this gap by leveraging Artificial Intelligence (AI) to provide personalized career counseling, aptitude tests, and detailed career paths to every secondary-level student.

Tech stack

- Flutter
- Dart
- Django
- MongoDB
- AWS
- Python
- TensorFlow, PyTorch, Scikit-learn
- HTML
- CSS
- JavaScript

Use Cases

Personalized AI-driven Career Pathways.

Virtual Career Counselor.

Accessibility and Inclusivity Features.

Impact on Future Education.

Real-World Application.

Long-Term Impact.

3

Dependencies

High-Quality Training Data.

Natural Language Processing (NLP) Libraries.

Machine Learning Frameworks.

Expertise in Machine Learning and Data Science.

Cloud Computing Resources.

Data Preprocessing Tools.

Model Validation and Testing Tools

Team Member Details

Team Leader Name: Suyash Agarwal

Branch : BTech   Stream : CSE   Year : III

Team Member 1 Name: Chirag Bachwani

Branch): BTech   Stream : CSE   Year : III

Team Member 2 Name: Yash Agarwal

Branch: BTech   Stream : CSE   Year : III

Team Member 3 Name: Ayush Tiwari

Branch : BTech   Stream : CSE   Year : III

Team Member 4 Name: Vedant Singh

Branch : BTech   Stream : CSE   Year : III

Team Member 5 Name: Prachi Rahadawe

Branch : BTech   Stream : CSE   Year : III

Team Mentor 1 Name: Type Your Name Here

Category (Academic/Industry):   Expertise (AI/ML/Blockchain etc):   Domain Experience (in years):