A 2-DAYS NATIONAL LEVEL HACKATHON ON

AI in education

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College: SISTec GN

PROBLEM STATEMENT

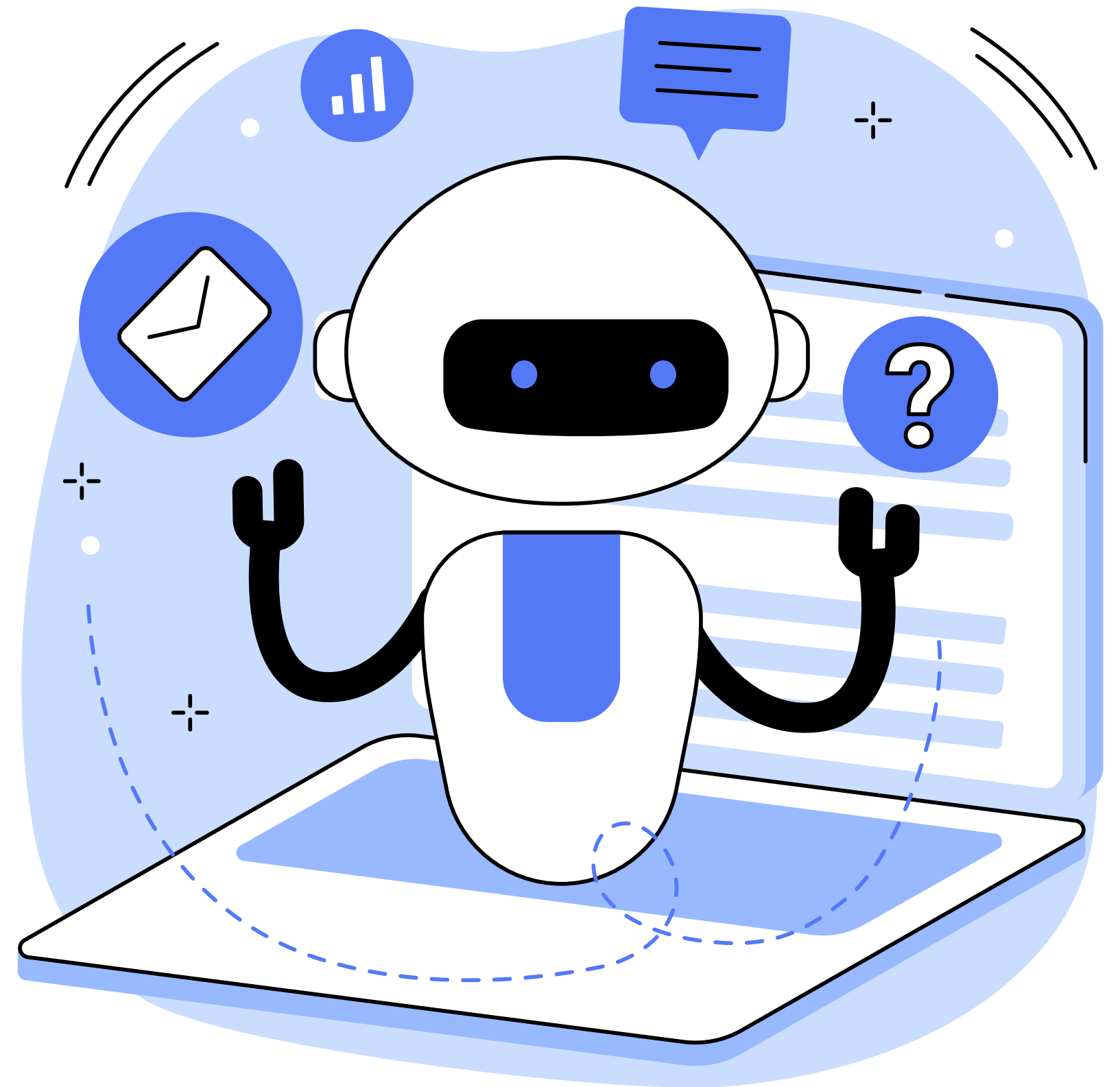Current educational tools are fragmented and lack personalization.

1 Students struggle with organizing, planning, and learning efficiently.

2 No single platform provides AI-driven solutions to cover all aspects of a learner's journey.

3 Need for adaptive, intelligent, and accessible educational support.

PROPOSED SOLUTION

AI Udaan Hub: A one-stop microservice platform powered by AI

- **Offers a modular suite of learning and productivity tools.**

- **Uses AI to enhance engagement, personalization, and learning efficiency.**

- **Microservice architecture ensures scalability and integration flexibility.**

KEY FEATURES (SERVICES)

To-Do List & Study Planner

AI-Powered Mentorship

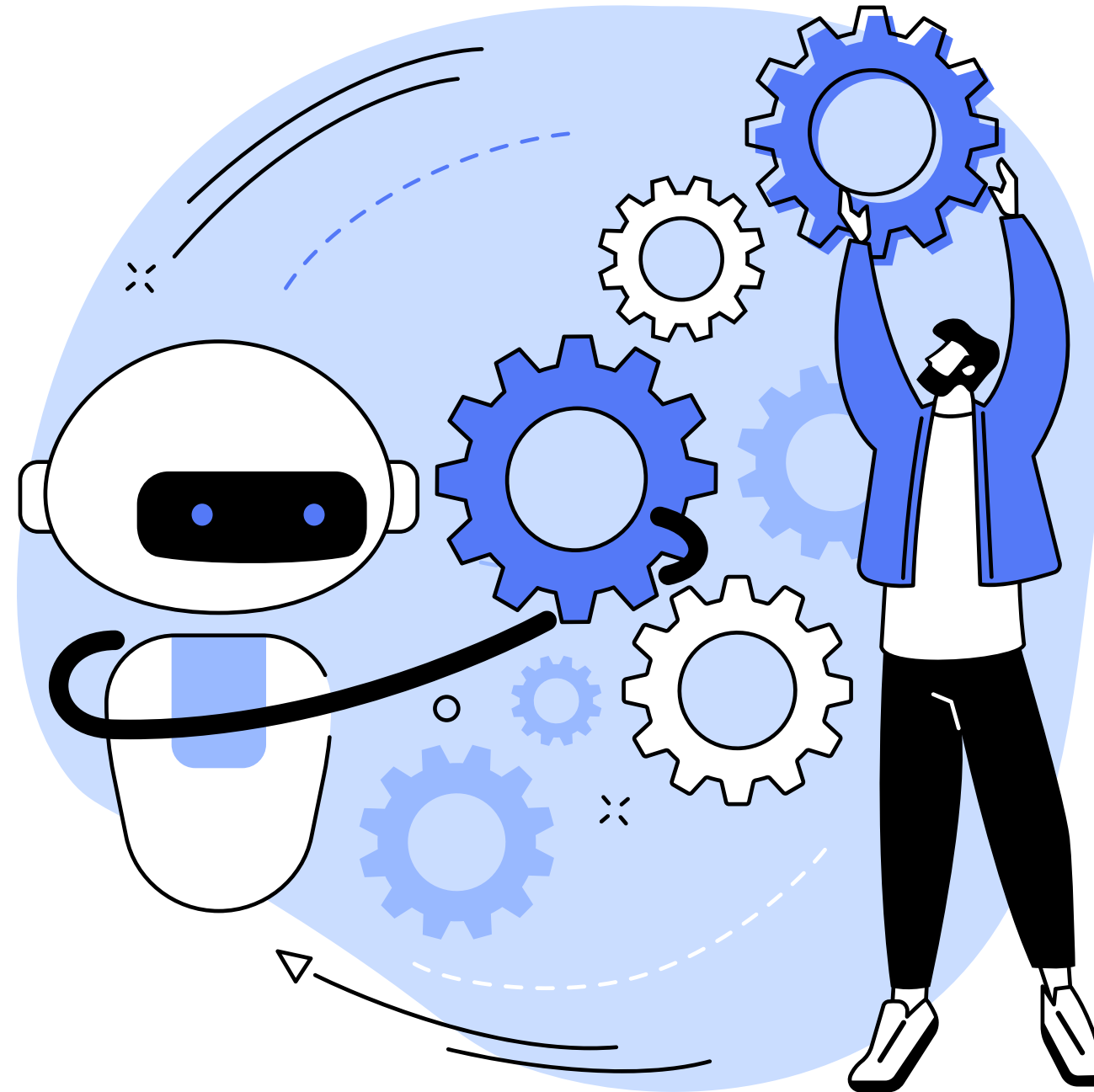Generate Notes from YouTube Video

Quiz Generator (from notes/topics)

Progress Tracker

Notes Summarizer & Flashcards

Handwritten Notes Analyzer

AI Interview Preparation

HOW AI POWERS THE PLATFORM

Briefly explain how AI is used in each service:

- NLP for summarizing and quiz generation.
- CV (Computer Vision) for analyzing handwritten notes.
- LLMs for generating flashcards, interview questions.
- Recommendation Systems for personalized mentorship & planning.

CHALLENGES IN EDUCATION TODAY

- Lack of personalized study support
- Difficulty in time management and planning
- Scattered, unstructured notes across multiple sources
- Limited feedback on conceptual mistakes
- Exam preparation struggles (lack of revision aids)
- Lack of effective mentorship

HOW AI UDAAN SOLVES THEM

Personalized study planning & tracking

Automated note summarization & flashcards

Instant quiz generation from notes/topics

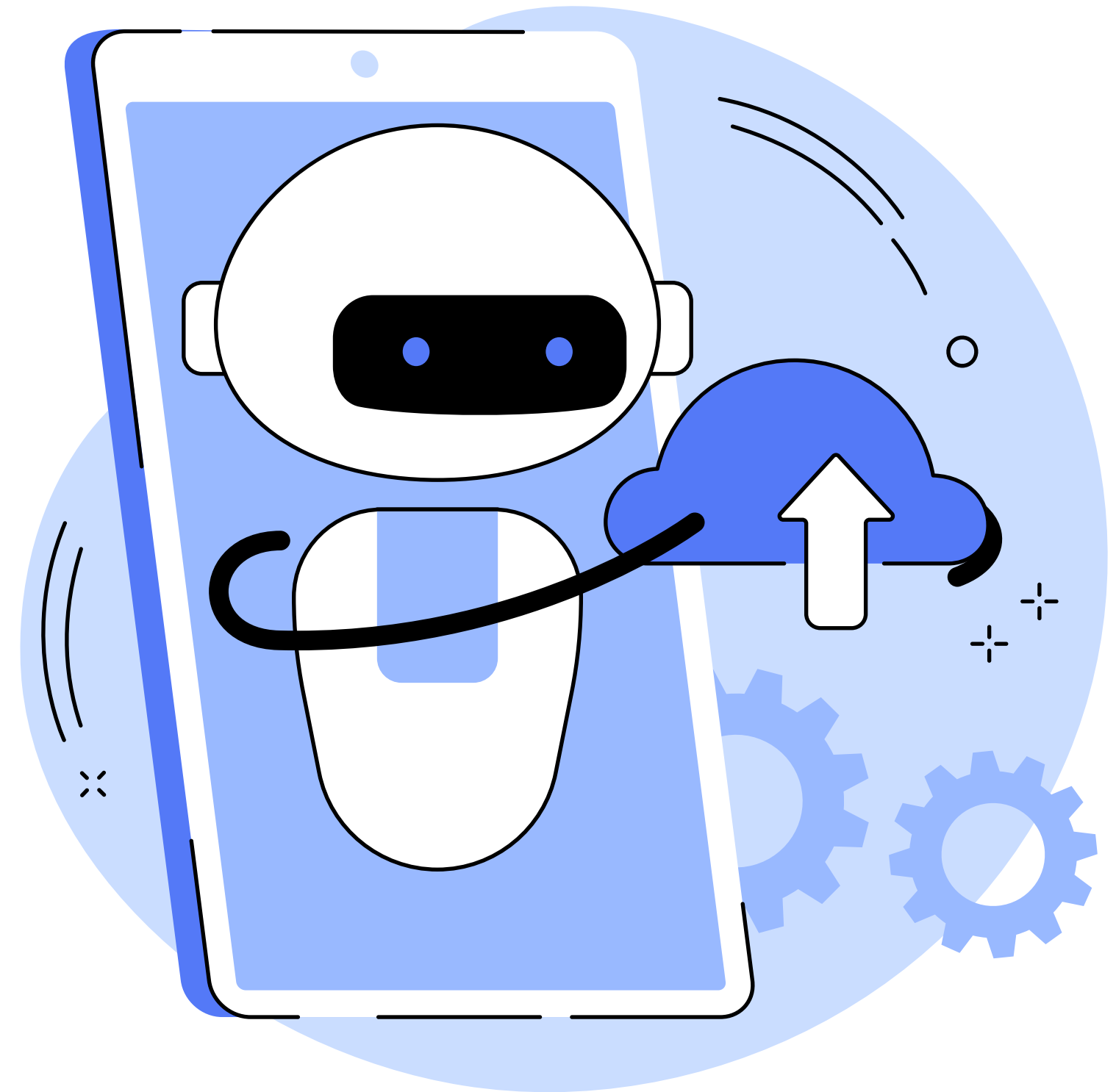Feedback from handwritten notes (error detection)

AI-driven mentorship & career guidance

Mock interview simulations for preparation

FUTURE ADD-ONS & SCALABILITY

- Collaborative study groups with AI moderators
- Gamification of study plans (XP, rewards, leaderboards)
- AR/VR immersive classrooms
- Integration with existing LMS & coaching platforms
- Scalable mentorship network powered by recommendation systems

THANK YOU FOR LISTENING!