



# CONSISTIFY

**AI-Based Learning Accountability & Daily Viva System**

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**Ideathon 2026**

**Don't Track Study Time  
– Verify Learning**



# Background Problem

## The Real Issue in Education



Students make study plans...  
but consistency fades within  
days.

- “Study time turns into screen time.”
- “Attention shifts from learning to scrolling.”
- “One message → one reel → study gone.”

Students spend time  
studying but cannot  
explain concepts in  
exams.

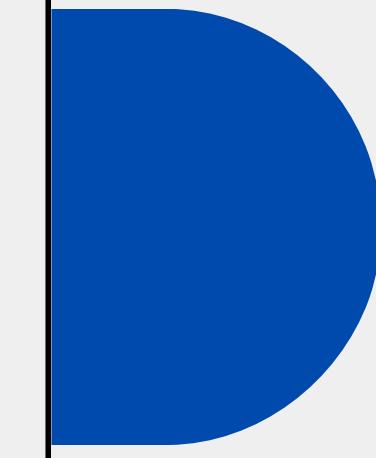


WhatsApp

Problems



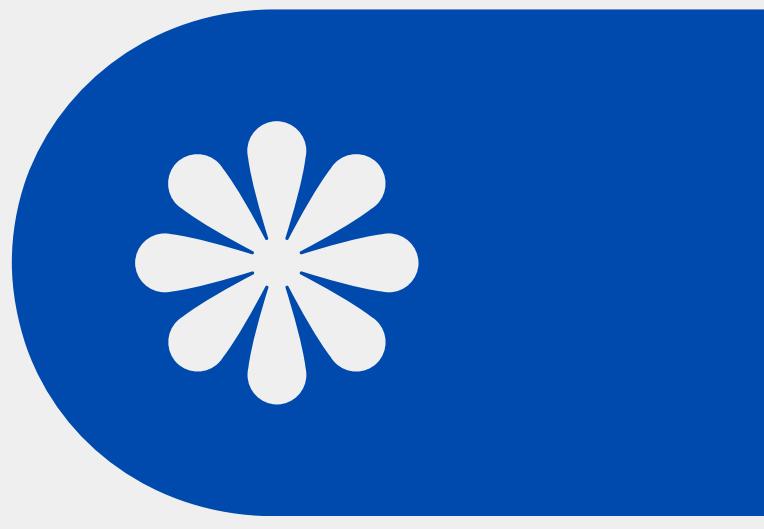
outcomes



**“Education tracks attendance, but learning requires understanding.”**



# Why Current method Fails ?



**Existing study tools measure time, not learning**

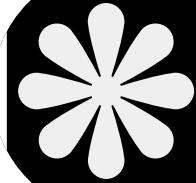
- Timers count hours, not understanding
- Habit apps trust intention, not behavior
- Reading creates comfort, not clarity

**Missing Element: Accountability**

**“Time spent studying is not equal to knowledge gained.”**



# Target Audience



**Students :**  
School, college & competitive exam aspirants

**Teachers / Mentors :**  
Track real learning & weak areas

**Institutions / Coaching Centers :**  
Improve performance & engagement

**Parents :**  
See daily progress, not only marks



# Innovative Solution Overview

## CONSISTIFY : Learning Accountability System



### Consistify Platform

AI-Powered Learning Accountability System

An innovative platform that **verifies learning** through a combination of **behavior tracking** and **oral explanation**, operating as a continuous daily verification cycle.

Students are **rewarded only when they demonstrate understanding** of what they studied, creating genuine accountability.

- An AI-based platform that measures:  
**Consistency + Understanding**
- Instead of only tracking study time, the system verifies learning through:
- Focus tracking (Flow Mode)
- Study evidence capture (screenshot timeline)
- AI-based daily oral viva
- Performance feedback & rewards

**“Students are rewarded only when they can explain what they learned.”**

# Technical Methodology & Key Features

## Technical Stack

- Computer Vision: OpenCV, MediaPipe – focus & presence tracking
- OCR: Tesseract, Cloud Vision – topic detection from screenshots
- Speech Processing: Whisper / Google Speech-to-Text – converts answers to text
- AI Engine: GPT / BERT – question generation & evaluation
- Database: Firebase (Cloud) – stores scores, streaks & reports



### Core Features

AI Oral Interview Daily verification	Screenshot Evidence Learning timeline
Focus Tracking Flow Mode	Analytics Dashboard Performance insights
Streak System Gamification	Leaderboard Peer motivation
Privacy-First Voluntary participation	Learning Timeline Progress tracking

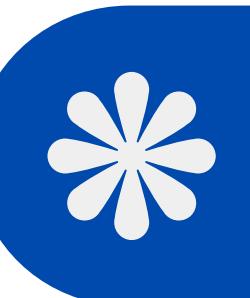
Output: Daily feedback on both concentration and understanding.

# Feasibility & Resource Requirements

- Uses existing AI APIs (no model training required)
- Works on normal laptop & smartphone
- Requires only webcam, microphone & internet
- Low deployment cost
- Scalable through cloud services

- Software
  - Application framework (desktop/mobile)
  - Cloud database
  - AI APIs (speech recognition & evaluation)
- Hardware
  - Laptop/PC
  - Webcam
  - Microphone
  - Internet connection

# Six-Step Verification Process



## 01 Learning Declaration

Student informs app via chatbot about planned study topic

- ⌚ Creates psychological commitment

## 02 Evidence Capture

Voluntary screenshots capture study materials and progress

- 🕒 Timestamp recorded
- 📋 Material documented

## 03 Topic Identification

OCR extracts text from screenshots to identify subject and topic

- 💡 AI-powered content recognition

## 04 Focus Tracking

Flow Mode monitors study consistency and detects distractions

- 💻 Tab switching detection
- 📱 Distracting app usage

## 05 AI Oral Viva

End-of-day oral interview where student explains concepts learned

- 🎙️ Speech-to-text conversion
- 🧠 AI comprehension analysis

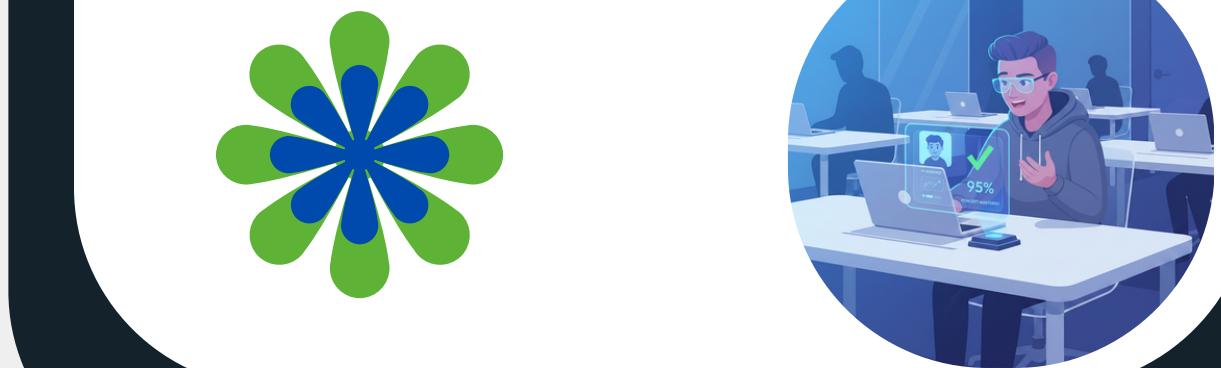
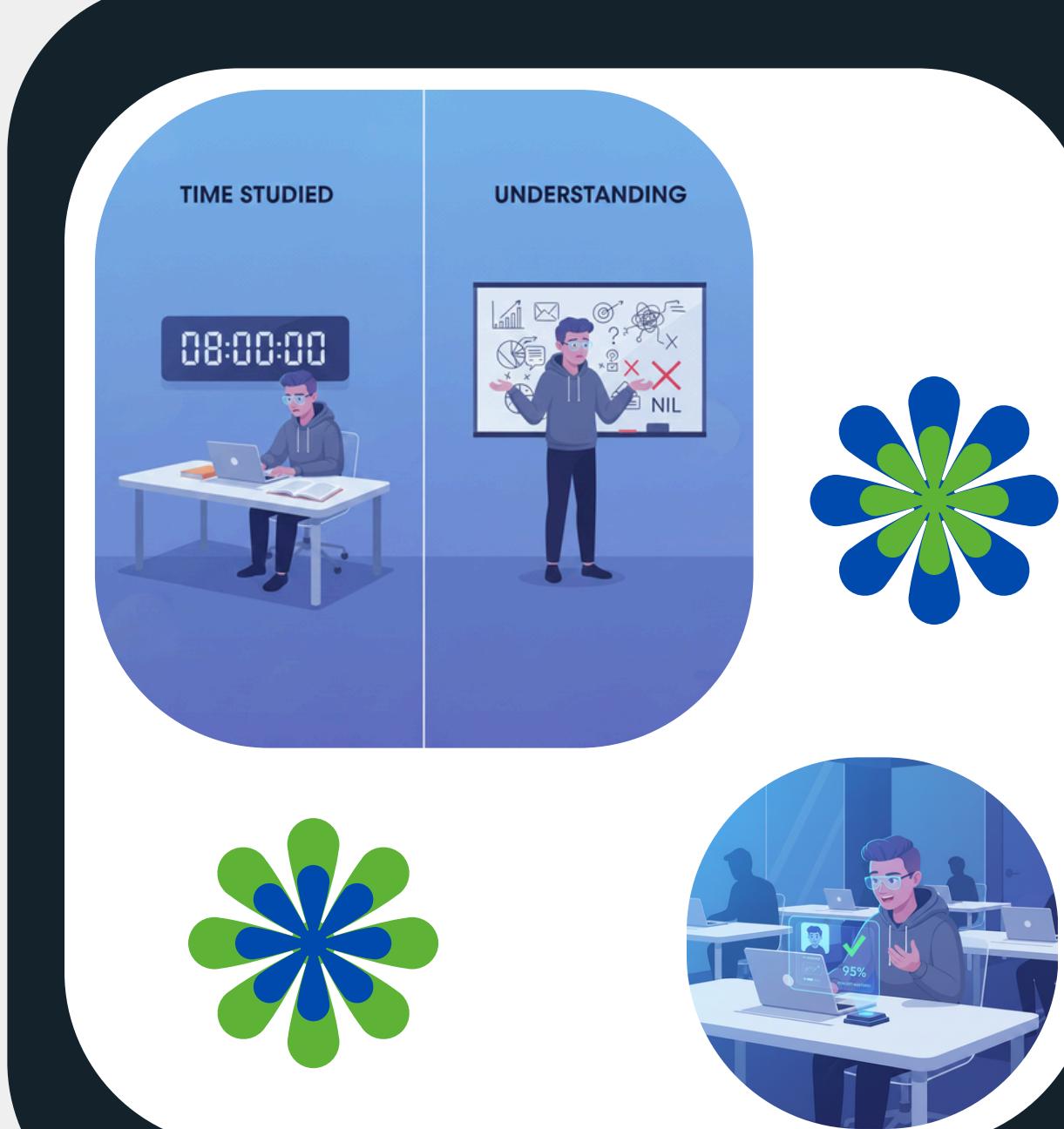
## 06 Evaluation & Feedback

System generates comprehensive performance analysis and rewards

- ⭐ Learning Score
- ⌚ Focus Score
- ⚠️ Weak Areas
- 💡 Suggestions



# Expected Outcomes & Benefits



## For Students

- Improves study consistency
- Better concept understanding
- Builds daily revision habit
- Increases confidence in exams
- Reduces hesitation in speaking and interviews (through daily AI oral viva practice)

## For Teachers

- Continuous feedback on student learning
- Early identification of weak topics

## For Parents

- See real progress instead of only marks

## Key Benefit:

**Learning becomes measurable, and students gain confidence in explaining concepts.**





# Impact & Scalability



## Social Impact

- Reduces procrastination and distraction
- Lowers exam stress
- Encourages disciplined learning behavior

## Educational Impact

- Useful for coaching institutes & schools
- Improves academic performance and retention
- Can integrate with online learning platforms

- Can be deployed in schools, colleges, and coaching centers
- Works on any laptop or smartphone
- Expandable to national level EdTech platform

# Conclusion

**CONSISTIFY converts studying into a guided and accountable learning process. The system not only checks whether a student studied, but verifies how consistently and how effectively they learned.**

**Through:**

- **Focus tracking (consistency)**
- **Learning evidence (study activity)**
- **AI oral viva (understanding)**
- **Reward system (motivation)**

students are encouraged to study regularly, revise daily, and confidently explain concepts.

The reward mechanism motivates learners to continue improving, turning discipline into a habit rather than a temporary effort.

CONSISTIFY also helps students overcome hesitation in speaking and interviews by practicing explanations every day.

**“When effort is recognized daily, learning becomes a habit.”**