



# AI Application for Interactive Learning

Welcome to the future of interactive learning!

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# Environmental Monitoring for Enhanced Comfort

Classroom comfort is crucial for effective learning.



## Temperature & Humidity

Maintains optimal conditions.



## Noise Detection

Monitors classroom acoustics.



## Activity Tracking

Detects student movement.



# Accurate Presence Detection via Geolocation

Accurately tracking student presence is essential for attendance and engagement analysis for **researchers** and **professors**.

## Geofencing

Virtual boundaries for classrooms.

## Passive Tracking

No manual interaction needed.



# Interactive Quizzes and Gamified Progress Tracking

Keep students actively involved with interactive quizzes and gamified progress tracking.



## Quizzes

Test comprehension.



## Gamification

Earn rewards.



## Leaderboards

Track progress.



# AI-Powered Course Chatbot for Instant Support

Our AI-powered course chatbot acts as a virtual assistant, trained on lecture material to answer student questions during and after class.

## In-Class Support

Answers questions during lectures.

- Provides real-time information
- Adapts to student behavior

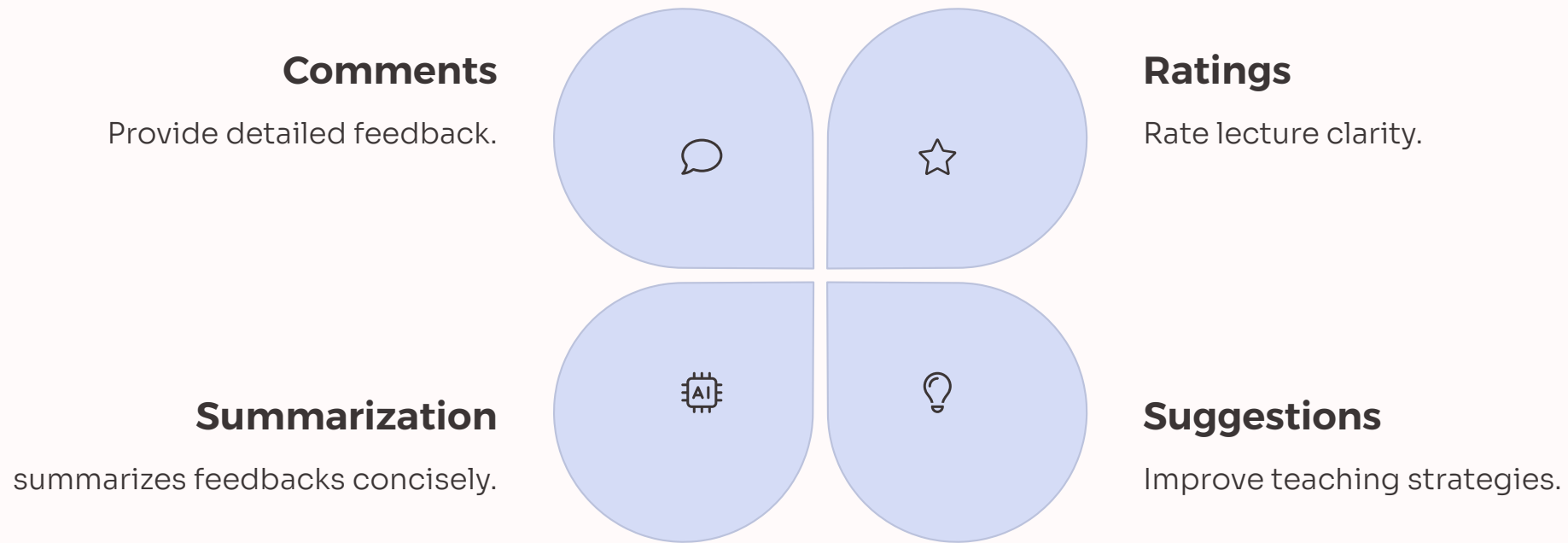
## Out-of-Class Assistance

Simplifies lessons and offers resources.

- Provides mini-quizzes
- Recommends tutorials and exercises

# Anonymous Feedback System for Continuous Improvement

Gather honest feedback without fear of judgment through end-of-session anonymous feedback.



# Real-Time Visual Explanation Generator

Enhance lectures with our real-time visual explanation generator.

$f(x)$

**Math Functions**

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**Flowcharts**

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**Scientific Phenomena**

# Class Mood Detection for Proactive Engagement

Understand the emotional state of your class with our class mood detection feature.

 **Happy**

 **Neutral**

 **Confused**





