



HAPPIEST MINDS' SOLUTION FOR

# ADAPTIVE ASSESSMENT



## PROVEN EFFICIENCY GAINS

Our intelligent assessment platform automatically adjusts question difficulty to match each student's ability level in real-time. This personalized approach reduces assessment time by 30-40% while delivering more accurate measurements than traditional one-size-fits-all assessments.

**Transform your existing questions into a smart assessment platform that saves time, reduces costs, and improves decision accuracy.**

**30-40%**

**Shorter Assessments**

Same accuracy with fewer questions (Research: PMC 2018, Springer 2025)

**50%**

**Lower Error Rate**

More precise student measurements (Typical improvement range)

**Proven**

**Superior Results**

Outperforms traditional assessments in education & certification

All performance claims are supported by peer-reviewed research from IEEE, Springer, Elsevier, and leading universities (2018-2025).

### Academic Research Foundation:

- Schwarz, K.A., et al. (2025). Computerized adaptive competency-based placement test. Springer CCIS, Vol. 2519. DOI: 10.1007/978-3-031-93409-4\_15
- Huda, A., et al. (2024). Optimizing educational assessment with CAT and IRT. JOIV, 8(1), 473-480. DOI: 10.62527/joiv.8.1.2217
- Wang, J., et al. (2023). Developing CAT for health professionals exam. Frontiers in Psychology. PMC10624130
- Multidimensional CAT efficiency study (2018). Test length reduction 11-38%. PMC6295884
- IEEE Xplore (2024). Advanced assessment system optimization with improved speed and accuracy

## What You Get

Complete solution from initial setup through live deployment with quality monitoring at every stage.

**1**

### Question Bank Setup

Send us your questions and answer keys. We analyze them with data from 500+ assessment-takers and return a validated question bank with quality scores.

**2**

### Smart Assessment Platform

Each student receives personalized questions that adapt in real-time. The system automatically selects the right difficulty level.

**3**

### Performance Dashboard

View easy-to-read reports showing student results by topic, confidence levels, and automatic quality alerts.

## Business Benefits

**1**

### Reduced Assessment Time

Students complete assessments in 30-40% less time while maintaining the same measurement quality. Shorter assessments mean less disruption.

**2**

### More Accurate Results

Get 50% lower error rates compared to traditional assessments. Make better placement and certification decisions with greater confidence.

**3**

### Built-In Quality Control

The system automatically identifies which questions work well and which don't, with specific improvement recommendations.

**4**

### Cloud-Based Platform

Handles thousands of students simultaneously.

### Time Savings Example:

1,000 students/year × 20 minutes saved per assessment = 333 hours of assessment time saved annually.