

Complete AI Simulation & Evaluation for IELTS

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INTRODUCTION

Millions take IELTS yearly for academic and professional purposes; learners need realistic practice and reliable diagnostic feedback.

IELTS™ +4M
English for International Opportunity

PROBLEM STATEMENT

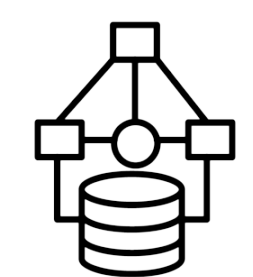
Existing tools target single parts or rely on large closed source models — there is no compact, complete, IELTS-level simulation and scoring pipeline.

OBJECTIVE

Provide an affordable and accurate full-exam simulator that gives band scores and actionable feedback.

Tools :
TTS 
Wav2Vec2 **GRPO**
Qwen3 **SFT**

CONTRIBUTIONS



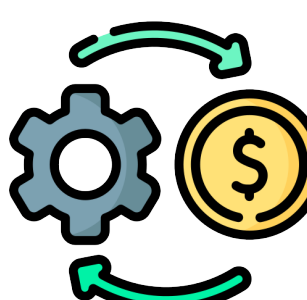
The first complete novel IELTS simulation using AI



Collected 2 new datasets

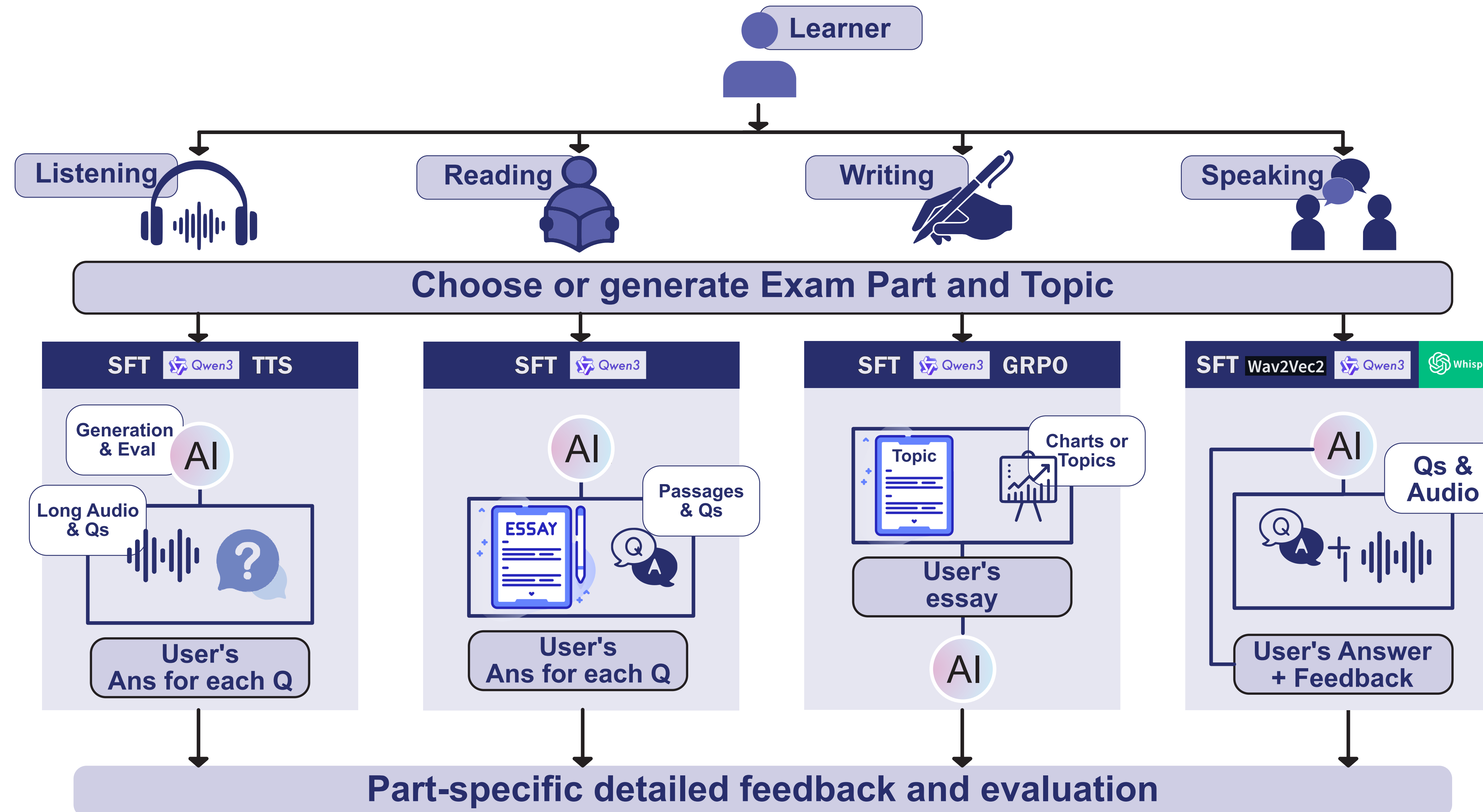


Verified our framework against different models

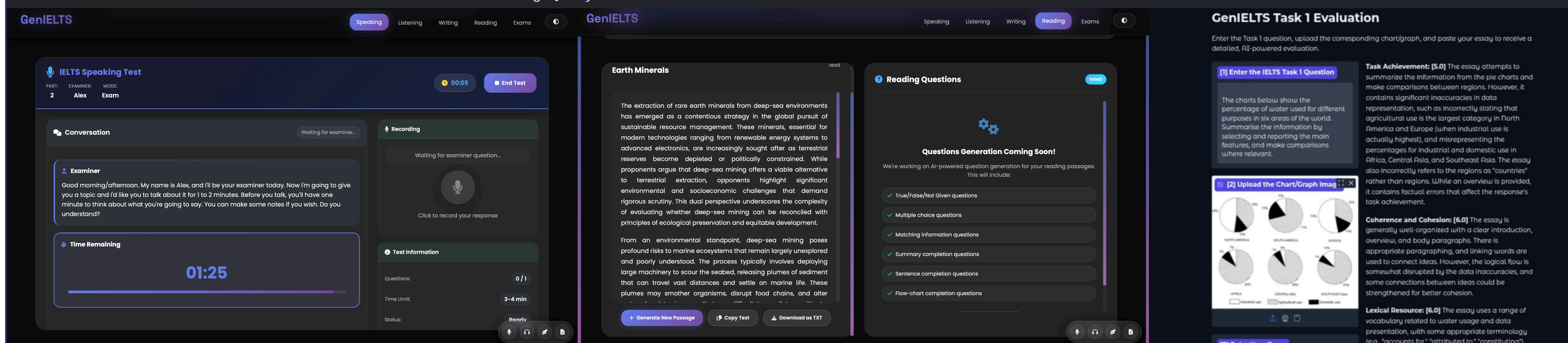
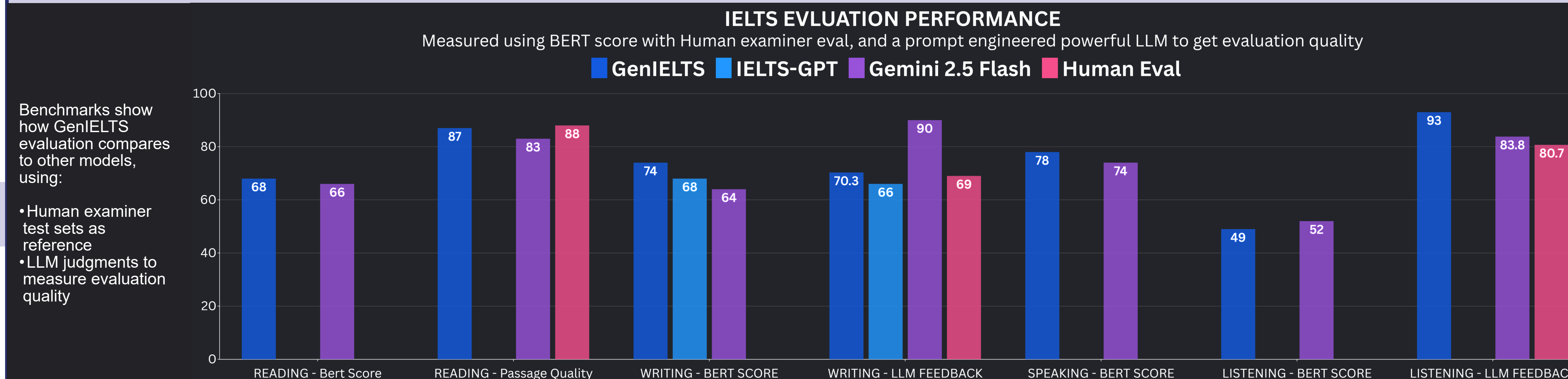


Efficient models with excellent performance

METHODOLOGY

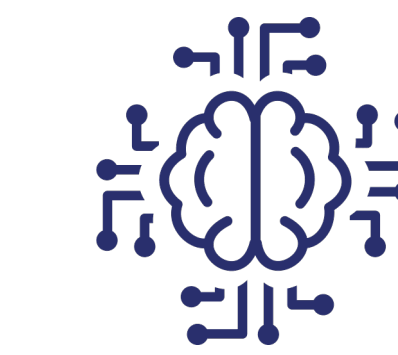


RESULTS



CONCLUSION

GenIELTS is the first complete end-to-end AI IELTS simulation with novel capabilities.



Compact modular system with models $\leq 14B$ parameters



Delivers actionable feedback for measurable learner progress



Achieves near human-level evaluation, paving the way for more effective IELTS preparation

DISCUSSION

Limitations:

- Accent and dialect coverage
- Edge cases in spontaneous speech

Future work:

- User-study driven UX improvements
- Public benchmark

MORE INFO

