

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**

PROBLEM STATEMENT

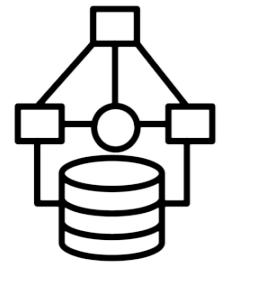
Existing tools target single parts or rely on large closed source models — there is no compact, complete, IELTS-level simulation and scoring pipeline.

OBJECTIVE

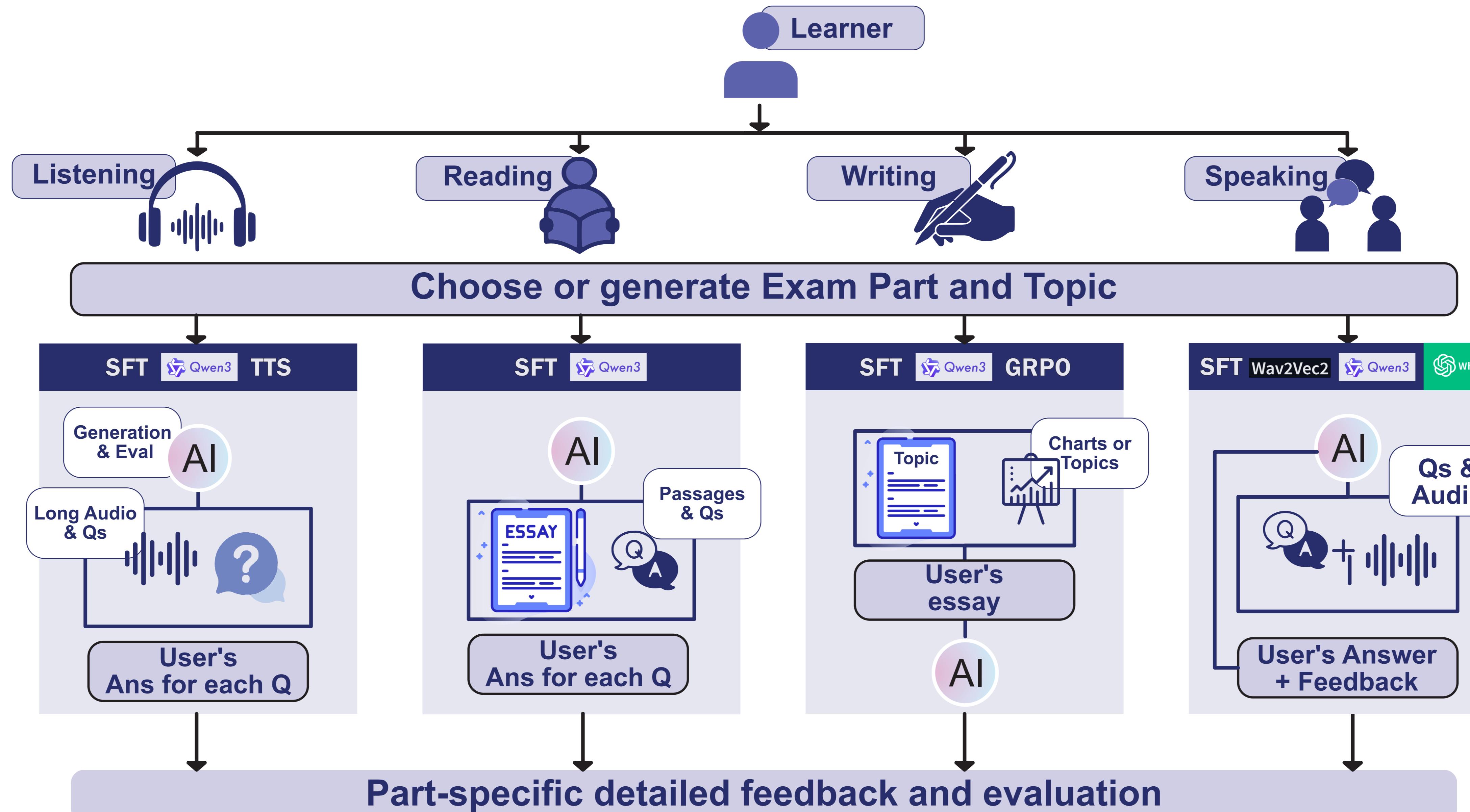
Provide an affordable and accurate full-exam simulator that gives band scores and actionable feedback.

Tools : **TTS**  **Whisper**
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

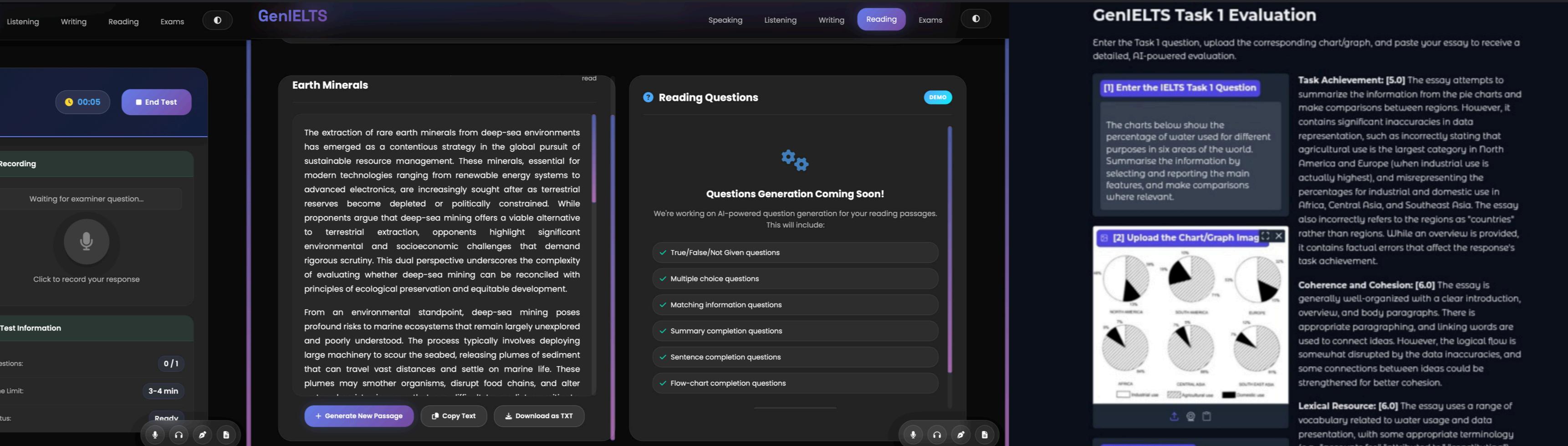
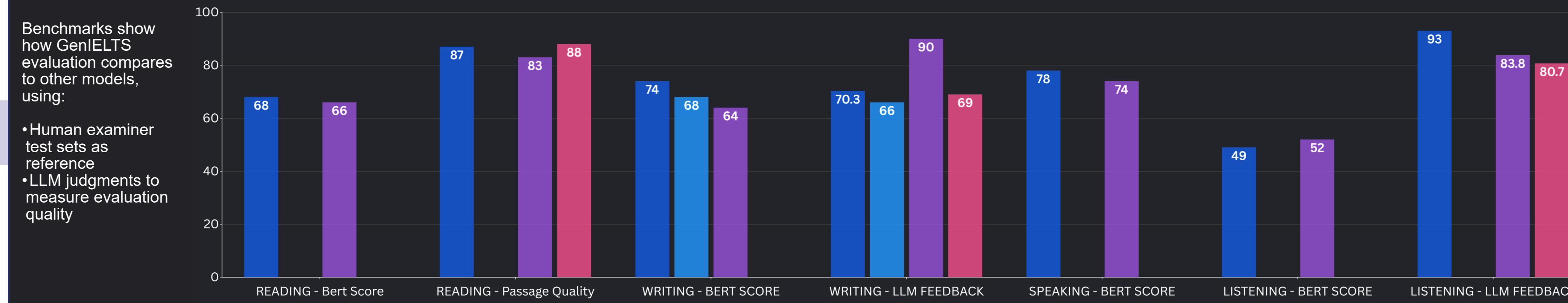


RESULTS

IELTS EVALUATION PERFORMANCE

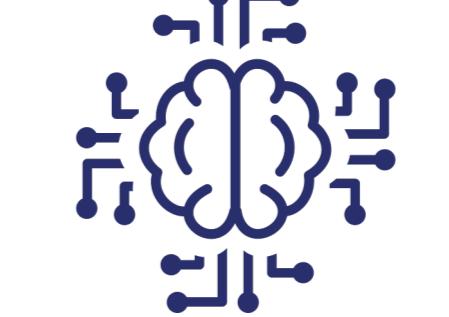
Measured using BERT score with Human examiner eval, and a prompt engineered powerful LLM to get evaluation quality

■ GenIELTS ■ IELTS-GPT ■ Gemini 2.5 Flash ■ Human Eval



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

