

Zerobionic — AI-Powered Sign-Language Translation Robots for Deaf Students in Rural Kenyan Classrooms

AI in Education · Good practice · Kenya

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

A Nairobi startup's 3D-printed, recycled-plastic humanoid robots translate speech to sign language in real time for deaf students in low-connectivity Kenyan schools. Self-reported 92% accuracy and rising recognition, but no independent outcome evaluation yet exists.

Key dimensions

Dimension	Score
Evidence of learning impact	0/3
Equity & inclusion	2/3
Transparency, ethics & data protection	1/3
Teacher capability & pedagogy	1/3
Scalability & sustainability	1/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-07-18

[Zerobionic, in partnership with Young Scientists Kenya \(YSK\)](#) — accessed 2026-07-18

[TechCabal profile of Zerobionic and founder](#) — accessed 2026-07-18

[PC Tech Magazine: Zerobionic joins Qualcomm Make in Africa 2026](#) — accessed 2026-07-18

[Mjengo Hub: Nairobi startup builds AI robot for classroom communication gap](#) — accessed 2026-07-18

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