

Pubudu — Deep-Learning Screening for Dyslexia, Dysgraphia and Dyscalculia in Sri Lanka

AI in Education · Good practice · Sri Lanka

Quality score: 67/100

Evidence strength: Observational / pre–post

Summary

SLIIT researchers built Pubudu, a deep-learning mobile app screening Sri Lankan children aged 6-7 for dyslexia, dysgraphia and dyscalculia in local languages. Tested on 100 children, it reached 88-99% accuracy on three measures but only 58% for dyslexia.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-07-12

[Sri Lanka Institute of Information Technology \(SLIIT\)](#) — accessed 2026-07-12

[IEEE Xplore — peer-reviewed publication](#) — accessed 2026-07-12

[SLIIT Research Data Archive — institutional record](#) — accessed 2026-07-12

Cite this — Evidoria. *Pubudu — Deep-Learning Screening for Dyslexia, Dysgraphia and Dyscalculia in Sri Lanka*. Persistent ID: 420ed561-3fb2-4fb7-bfef-d78392f4e221.