

Malaysia SiPKPM — AI-enhanced national early-warning system for school dropout prevention

AI in Education · Good practice · Malaysia

Quality score: 80/100

Evidence strength: Observational / pre–post

Summary

Malaysia's Ministry of Education (KPM) and UNICEF deploy SiPKPM, an AI early-warning system tracking 5 million learners on 7 risk factors. In 2025, 4,758 dropouts reintegrated (up 76%); UNICEF reports 9,000+ returns (3,287 girls); SPM absenteeism cut to 8,076.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-06-24

[Kementerian Pendidikan Malaysia \(KPM\)](#) — accessed 2026-06-24

[The Star: AI-enhanced student tracking to reduce SPM dropouts](#) — accessed 2026-06-24

[UNICEF Digital Education: AI keeping Malaysian students in school](#) — accessed 2026-06-24

[The Sun: SiPKPM helps 4,758 dropout students return to school](#) — accessed 2026-06-24

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