

SiPKPM AI Early-Warning System — National Dropout Prediction in Malaysia

AI in Education · Good practice · Malaysia

Quality score: 53/100

Evidence strength: Moderate

Summary

Malaysia's Ministry of Education added AI risk-screening to its student-tracking system, SiPKPM. In 2025 it helped over 9,000 at-risk students, including 3,287 girls, return to school, while national exam-day absenteeism fell from over 10,000 to about 8,000.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-07-29

[Ministry of Education Malaysia \(KPM\), with UNICEF Malaysia](#) — accessed 2026-07-29

[BERNAMA — Pengukuhan Sistem Pengesanan Murid Dengan AI Mampu Atasi Isu Keciciran Pelajar](#) — accessed 2026-07-29

[UNICEF Malaysia — Future-ready and resilient: How AI is keeping Malaysian students in school](#) — accessed 2026-07-29

[Malay Mail — SPM dropout issue sees improvement as MOE plans secondary education reforms](#) — accessed 2026-07-29

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