

VectorMind AI for Education

Operational intelligence for education: faster admissions, reliable compliance and better student outcomes.

Secure, auditable Gen-AI that turns applications, learning records, assessments & institutional systems into timely operational insight without exposing IP or student data.



Educational institutions manage high volumes of heterogeneous documents (applications, transcripts, funding evidence), multiple legacy systems and strict data-protection obligations. Manual processing, slow enrolment decisions and fragmented student records increase cost, reduce yield and impair student experience.

CohesionX's VectorMind embeds enterprise-grade Gen-AI across the student lifecycle to extract authoritative data, link provenance, automate rules and surface explainable recommendations (all with tenant isolation, full audit trails and policy controls suitable for global regulators and funders).



business GPT

Admissions & Document Verification

High application volumes and diverse credential formats slow enrolment decisions and increase rejection risk; VectorMind automates verification, equivalence checks and conditional offer workflows to accelerate admissions and protect quality.

How it works:

Ingest: Iris ingests online application forms, scanned transcripts, referee letters, passports and agent uploads via secure portal.

Extract & Normalise: Iris extracts applicant identifiers, module codes, grades, award authorities and document metadata; normalises grade scales and dates.

Verify & Cross-check: Neuroflow cross-references awarding-body registries, qualification databases and prior application records; Atlas links supporting documents and prior verifications to build an evidential graph for each applicant.

Reason & Recommend: Business GPT assesses equivalence (international qualifications), flags missing or suspicious items (possible fraud) and suggests offers (conditional/firm) with cited evidence.

Orchestrate Actions: Neuroflow issues conditional offers, schedules required checks (DBS, visa evidence), opens exception cases for verification failures and routes them to admissions/officer with prefilled dossiers and SLA deadlines.

Search & Audit: Synaptic Search surfaces historical equivalence decisions and precedents to support consistent decisioning.



Gains

- **Faster admissions decisions** and higher conversion through quicker verification and conditional offer issuance.
- **Reduced fraud & mis-acceptances** via automated checks and provenance-linked evidence.
- **Consistent equivalence decisions** supported by historical precedent retrieval.
- **Lower manual workload** for admissions teams and better applicant communication.
- **Defensible audit trail** for regulators, auditors and external verifiers.

Student Support & Case Management

Timely, evidence-based student support (welfare, disability adjustments, appeals) improves retention; VectorMind centralises records, surfaces relevant history and automates triage to ensure consistent, timely interventions.

How it works:

Iris ingests case referrals, medical notes, accommodation requests, counselling records and communications and Atlas links these to the student's academic and conduct history. Neuroflow creates triage workflows, attaches prefilled evidence dossiers and enforces SLA-bound actions while Business GPT summarises case risks and recommended interventions for student support teams.



Faster triage | Reduced case backlog | Better compliance | Improved student satisfaction

More Retail Use Cases



Assessment Processing & Academic Integrity

High volumes of scanned exams, coursework submissions & plagiarism checks strain admin & delay marking release. Iris extracts submission metadata & content (incl. images), Atlas links submissions to student records & prior attempts, etc.



Research Administration & Contract Management

Fragmented grant contracts, deliverables & ethics approvals increase admin overhead & risk of non-compliance. Extract grant terms, milestones & reporting requirements; Atlas links ethics approvals, deliverables etc.



Regulatory Reporting, Accreditation & Audit Readiness

Accreditation bodies & regulators demand traceable records, timely submissions and defensible evidence for key metrics. Atlas builds provenance graphs across learner records, assessments & compliance activities.



Funding, Scholarships & Compliance

Complex scholarship criteria, conditional funding requirements & funder audits require detailed evidence & traceability. Iris ingests funding applications, award letters and supporting documents; Atlas assembles evidence graphs.



Student Finance, Fee Recon & Debt Recovery

Split payments, sponsorship discrepancies and manual reconciliation slow fee collection and burden finance teams. Iris extracts invoices, sponsor remittances and payment gateway reports; Neuroflow reconciles payments to fees etc.



Alumni & Partner Relations (Donations, Placements & Employer Data) Disparate alumni records, placement outcomes & employer agreements hinder fundraising & employability reporting. Synaptic Search & Iris consolidate alumni interactions & contracts etc.



vectormind

your data, our AI

VectorMind provides an affordable, easy-to-integrate Gen-AI solution, giving your employees access to the magic of all the top global commercial Gen-AI models, without exposing IP and sensitive data.



Get rid of tedious
tasks & human error



Automate actions &
set alerts



Always ensure factual
AI answers



Homegrown
affordable South
African software

www.cohesionx.co.za

info@cohesionx.co.za

www.vectormind.online