



Codec Networks

Coding Threats. Decoding Solutions.

INDUSTRY BROCHURE · EDUCATION, EDTECH & RESEARCH

Protect the Student. Protect the Exam. Protect the Research.

Student data privacy, LMS and examination security, research IP protection, managed SOC and awareness for universities, school chains, coaching and test-prep, edtech platforms, examination bodies and research organisations.

Student Data Privacy

LMS & Exam Security

Research IP Protection

24/7 Managed SOC

Awareness & Drills

Edtech Platform Testing

THE CHALLENGE

In education, a cyber incident is a trust incident.

Education was the third most targeted industry worldwide in 2024, and two-thirds of higher-education organisations were hit by ransomware. Indian institutions hold the data of crores of children, run examinations now protected by criminal law and produce research that rivals and states want—mostly with thin IT teams.

What keeps leadership teams awake

- A breach of student, parent or children's data
- An exam paper or question bank leaking
- Ransomware during admissions or results
- Research data and patents walking out
- Phishing of students, parents and faculty
- DPDP, CERT-In and examination-law exposure



3rd

Most targeted industry worldwide in 2024 (Microsoft)

66%

Of higher-education bodies hit by ransomware (Sophos, 2024)

~22 m

Unacademy accounts offered for sale after a 2020 breach

6 hours

To report cyber incidents to CERT-In

The rulebook has changed

Instrument	What it means for you
CERT-In Directions and audit guidelines (2022, 2025)	6-hour incident reporting, 180-day logs; risk-based independent cyber audits of campus, cloud and applications
DPDP Act and Rules (2023, 2025)	Verifiable parental consent for children's data, no tracking or targeted ads at children; most obligations from May 2027
Public Examinations (Prevention of Unfair Means) Act (2024, amended 2026)	Criminal liability for leaks and unfair means, including service providers; secure exam systems are now a legal necessity
UGC, AICTE, boards · SEBI LODR	Institutional, accreditation and testing-agency expectations; quarterly incident disclosure for listed companies

One partner from admission to alumni

Built around our primary proposition for the sector: **student data privacy, LMS and examination security, research IP protection, managed SOC and awareness.**

Student Data Privacy

- DPDP gap assessment for student, parent and children's data
- Consent, notice and parental-verification design
- Data mapping across ERP, LMS, apps and vendors
- Retention, deletion and breach-intimation workflows

LMS & Exam Security

- LMS, portal and exam platform testing
- Question bank, evaluation and result-system controls
- Proctoring and exam-centre technology review
- Role, privilege and integrity audits

Research IP Protection

- Research data classification and access control
- Segmented lab, HPC and collaboration networks
- Threat hunting for espionage and bulk exfiltration
- Collaborator and sponsor security agreements

24/7 Managed SOC

- Campus, cloud and exam-system monitoring
- Account takeover and phishing detection
- Results-day and admissions-week surge coverage
- 6-hour CERT-In reporting support

Awareness & Drills

- Phishing simulation for staff, faculty and students
- Fee-fraud and scam awareness for parents
- Leak, ransomware and breach tabletop exercises
- Examination-crisis simulations with leadership

Edtech Platform Testing

- Web, mobile and API VAPT for learning apps
- Cloud posture and SDK privacy review
- SOC 2 and ISO 27001 readiness for vendors
- Secure SDLC for product teams

Who we serve: university groups and deemed universities · school chains · coaching and test-prep · online learning and edtech platforms · examination bodies and testing agencies · research organisations and laboratories.

Packaged for how institutions and platforms buy

Eleven Codec Networks bundles apply directly to education, edtech and research organisations:

B1 Cyber Assessment & VAPT Assurance	B2 Application, API & DevSecOps Security	B3 Cloud, Infrastructure & Zero Trust
B4 Regulatory Cyber Audit & Compliance	B5 GRC, ISO, SOC 2 & PCI DSS Maturity	B6 Data Privacy & DPDPA Program
B7 Managed SOC, MDR & Threat Monitoring	B8 Forensics, Incident Response & Malware RCA	B9 Third-Party & Supply-Chain Risk
B10 Cyber Simulation, Awareness & Tabletop	B11 Emerging Tech, AI & Web3 Security	

Foundation

Schools, colleges and coaching institutes

- Campus and portal assessment
- Backup and recovery review
- Student data privacy quick assessment
- Phishing and fee-fraud awareness

Assurance

Universities, school chains and edtech platforms

- LMS, app and API testing
- DPDP programme for children's data
- Annual independent audit
- 24x7 managed SOC

Continuous Resilience

Examination bodies, research organisations and listed edtech

- Continuous testing and red teaming
- Exam-integrity and research-protection programme
- SOC with threat hunting
- Board, regulator and sponsor reporting

Mapped to your obligations

Requirement	How we help	Bundle
Incidents to CERT-In in six hours; 180-day logs (CERT-In Directions)	SOC, IR retainer, reporting support	B7, B8
Independent cyber audits (CERT-In audit guidelines, 2025)	Independent campus and cloud audits	B4, B1
Children's data and parental consent (DPDP Act and Rules)	DPDPA programme for institutions	B6
Examination integrity and leak prevention (Public Examinations Act)	Exam-system testing and controls	B2, B1
Institutional and accreditation requirements (UGC, AICTE, boards)	Policies, evidence packs, ISO 27001	B5, B4
Quarterly incident disclosure, listed companies (SEBI LODR)	Incident records, disclosure support	B4, B8
Sponsor, collaborator and vendor security clauses (contracts)	Research and vendor assurance	B9, B3

Why institutions and platforms choose Codec Networks

CERT-In empanelled

Independent audits recognised by regulators, boards, sponsors and procurement.

Certified and accountable

ISO 9001:2015, ISO/IEC 27001:2022 and ISO/IEC 20000-1:2018 certified.

Academic-calendar aware

Testing and monitoring planned around admissions, examinations and results.

Privacy-first for children

DPDP programmes built for minors, parents and verifiable consent.

Full stack, one partner

Testing, privacy, SOC, forensics and awareness connected from finding to closure.

Certified experts

CISA, ISO 27001 LA/LI, CEH, OSCP and CHFI professionals.

How we engage

Discover & scope

Campuses and schools, LMS, ERP and apps, examination systems and vendors, research networks, cloud estate and your academic and audit calendar.

Assess & test

Threat-led testing and regulatory audits executed by certified specialists.

Report in business terms

Findings, risk ratings and a compliance gap matrix for the Board and regulators.

Remediate

Practical, prioritised fixes with technology and compliance teams.

Validate & prove

Retesting and an evidence tracker for auditors, regulators and partners.

Monitor & improve

Managed SOC, recurring testing and quarterly governance reviews.

What you receive: executive summary for the Board or its committee · technical findings with evidence and CVSS ratings · compliance gap matrix · prioritised remediation roadmap · retest reports · audit evidence tracker · SOC dashboards and MTTD/MTTR metrics.

DEPARTMENT OF CHEMISTRY

START WITH A SCOPING SESSION

Let's make your next admission cycle, examination and audit a non-event.

Tell us your institutions, platforms, examination systems and research programmes. We will propose a practical, calendar-aware assessment and assurance plan.

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Codec Networks

Coding Threats. Decoding Solutions.

Secure Today. Innovate Tomorrow. Regulatory references reflect public instruments as of October 2026; applicability depends on each entity's licence, category and activities. Packages are proposed groupings of Codec Networks bundles, finalised through scoping. Services support risk reduction and assurance and do not guarantee prevention of all incidents or regulatory compliance. Sources: Microsoft Cyber Signals (2024), Sophos State of Ransomware in Education 2024, public reporting, CERT-In. Confirm obligations against the official instruments.