Training Course on Cybersecurity Best Practices for School Data Systems

Professional Development Training Course Outline

Category	Educational Leadership and Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s digital age, educational institutions are prime targets for cyberattacks due to the vast amount of sensitive student data and administrative information they manage. With increasing reliance on cloud-based school management systems, it is imperative that school leaders, IT personnel, and educators understand and implement cybersecurity best practices to safeguard these systems. Training Course on Cybersecurity Best Practices for School Data Systems provides a comprehensive framework for identifying vulnerabilities, adopting preventive measures, and responding to breaches effectively within school networks and data systems.

The training focuses on building resilience through cyber hygiene, network security, data encryption, and compliance with data protection regulations such as FERPA and GDPR. Participants will learn to create a cybersecurity-aware school culture, evaluate third-party vendor risks, and implement secure access protocols. The course integrates real-world case studies, hands-on exercises, and up-to-date policy recommendations to empower educational stakeholders with the tools needed to protect digital learning environments.

Programme Curriculum

Training Course on Cybersecurity Best Practices for School Data Systems

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Course Objectives

1. Understand core cybersecurity principles in education.
2. Identify common cyber threats targeting school systems.
3. Learn best practices for school data protection.
4. Implement multi-factor authentication (MFA) and secure access.
5. Recognize phishing and social engineering attacks.
6. Design an effective incident response plan.
7. Conduct regular network vulnerability assessments.
8. Understand legal frameworks: FERPA, COPPA, and GDPR.
9. Develop cybersecurity awareness programs for staff and students.
10. Assess and manage third-party vendor risks.
11. Explore cloud security protocols for educational platforms.
12. Create strong data backup and recovery policies.
13. Promote a cyber-resilient culture within school communities.

Target Audiences

1. School IT Administrators
2. District Technology Officers
3. School Principals
4. K-12 Teachers
5. School Counselors
6. Data Protection Officers
7. EdTech Coordinators
8. Curriculum Developers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Cybersecurity in Schools

- Overview of cybersecurity threats
- Importance of school data protection
- Terminologies: malware, ransomware, phishing
- Roles of staff and administration
- Policy framework overview
- **Case Study:** A K-12 district's network breach and recovery

Module 2: Data Privacy Regulations & Compliance

- FERPA, COPPA, and GDPR explained
- Student privacy rights
- Record retention and deletion
- Compliance checklists
- Regulatory penalties and risks
- **Case Study:** GDPR violation in a European school system

Module 3: Secure Access & Authentication

- Password protocols and policies
- Implementing Multi-Factor Authentication (MFA)
- Role-based access control
- Secure login systems
- Preventing credential theft
- **Case Study:** MFA implementation success in a Texas school

Module 4: Threat Detection & Incident Response

- Recognizing red flags and breaches
- Building a response team
- Incident escalation procedures
- Reporting and documentation protocols
- Forensics and mitigation
- **Case Study:** Ransomware attack on a school network

Module 5: Network and Endpoint Security

- Firewalls and intrusion detection systems
- Securing endpoints (PCs, mobile, tablets)
- Wi-Fi security in classrooms
- Patch management
- Device encryption techniques
- **Case Study:** How a district secured its BYOD policy

Module 6: Cybersecurity Awareness & Training

- Designing awareness campaigns
- Engaging school communities
- Gamified training programs
- Phishing simulation tools
- Digital citizenship lessons
- **Case Study:** Cyber bootcamp for high school students

Module 7: Third-Party and Vendor Risk Management

- Vendor vetting processes
- Contractual data security clauses
- Monitoring vendor access
- Cloud services risk audits
- Integrating vendor compliance reviews
- **Case Study:** Data breach linked to an unsecured third-party LMS

Module 8: Backup, Recovery, and Continuity Planning

- Backup schedule and types
- Data recovery protocols
- Offline and cloud backup
- Testing recovery systems
- Creating a business continuity plan
- **Case Study:** How disaster recovery saved a district’s grading system

Training Methodology

- Interactive workshops and breakout sessions

- Live scenario-based simulations
- Expert-led video tutorials
- Policy-building group exercises
- Hands-on assessments and quizzes
- Use of LMS tools for digital tracking and engagement

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training CenterANCY LD account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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