

ANNEXURE – A

DETAILED CURRICULUM (EPC – ERWA – ECP)

The EthicBizz Curriculum Framework is structured to provide students with a comprehensive, progressive, and industry-aligned learning experience in Cybersecurity, Artificial Intelligence, Cloud Computing, Web Technologies, and Digital Ethics. Designed for both school and college environments, the curriculum ensures that students not only gain foundational knowledge but also engage in practical applications and finally demonstrate their competencies through real-world capstone projects.

1. EthicBizz Professional Core (EPC)

The EPC pillar is the foundational layer of the EB School model. It is designed to give students conceptual clarity, technical exposure, and a strong understanding of digital technology fundamentals. The modules cover essential topics such as:

- **Cybersecurity Essentials:** Understanding cyber threats, attack types, security principles, passwords, phishing, malware, safe browsing, digital hygiene, data protection, encryption basics, and foundational cyber laws.
- **Network Security & Ethical Hacking Basics:** Introduction to network layers, protocols, IP addressing, ports, packet flow, firewalls, intrusion concepts, ethical hacking methodology, reconnaissance, scanning, enumeration, and safe lab environments.
- **AI & Data Literacy:** Understanding datasets, responsible AI, machine learning basics, simple model building concepts, prompt engineering, bias & fairness, AI ethics, and practical applications of AI in daily life.
- **Cloud & Web Technologies:** Basics of cloud platforms (Azure/AWS/GCP), cloud architecture, virtualization, introduction to web development, HTML/CSS fundamentals, basic JavaScript logic, understanding web vulnerabilities (OWASP Top 10 - beginner level).
- **Digital Ethics & Responsible Technology:** Cyberbullying awareness, responsible social media usage, digital identity protection, misinformation awareness, privacy literacy, and global ethical technology practices.

The EPC modules include structured weekly sessions (minimum 24–32 sessions per academic year), slide decks, activities, quizzes, scenario-based learning, and student worksheets.

2. EthicBizz Real-World Application (ERWA)

ERWA is the application-driven component of the EB School learning model. This stage transforms theoretical learning into action, helping students experience real-world cybersecurity and AI use cases in a safe, guided environment.

Some of the ERWA activity clusters include:

- **Attack & Defense Simulations:** Phishing simulations, password cracking demonstrations (ethical), network scanning labs, traffic monitoring exercises, and safe exploit demonstrations using tools like Wireshark, Nmap, or browser-based labs.
- **AI Practical Applications:** Building basic AI models using no-code platforms, experimenting with chat-based AI tools for automation, understanding datasets, generating AI reports, and identifying AI-generated content.
- **Web & Cloud Mini Projects:** Students build small static websites, deploy simple cloud-hosted pages, and understand the basics of cloud storage, IAM roles, and security configurations at a student-friendly level.
- **Threat Reporting & Investigation:** Writing basic cyber incident reports, performing simple threat assessments, analyzing phishing emails, conducting “digital health checks,” and practicing SOC-style workflows.
- **Campus Awareness Initiatives:** Students conduct cyber awareness campaigns, poster-making competitions, digital safety sessions, and peer-to-peer education under the guidance of faculty and mentors.

ERWA includes 8–12 major tasks, each with evaluation rubrics and structured mentor feedback.

3. EthicBizz Capstone Project (ECP)

The ECP is the culmination of the EB School experience. Students work individually or in teams to develop a structured digital solution, project, or campaign aligned with cybersecurity, AI, cloud, or web development.

Sample ECP deliverables include:

- Cybersecurity Monitoring Dashboard
- AI Chat Tool for Productivity
- Web-Based Authentication System
- Digital Safety Campaign for School/College
- SOC Mini Simulation Report
- Threat Intelligence Briefing
- Early-Stage Startup Prototype

Each project includes:

- Proposal submission
- Literature/context review
- System design and workflow
- Implementation steps
- Ethical guidelines followed
- Testing/validation
- Final report + presentation

The capstone is evaluated by EthicBizz and Institution mentors, using a detailed 20+ point rubric focusing on creativity, depth, ethical compliance, and real-world feasibility.

ANNEXURE – B

INFRASTRUCTURE & RESOURCE REQUIREMENTS

The EB School model is intentionally designed to be lightweight, cost-effective, and compatible with any school or college infrastructure. The objective is to ensure smooth delivery of sessions, hands-on labs, and events without requiring heavy hardware or costly installations.

1. Classroom/Lab Requirements

The institution must allocate one dedicated room to function as the **EB Centre for Applied Cybersecurity & AI (ECACA)**.

Ideal infrastructure:

- Seating for 30–50 students
- Projector or LED display
- Whiteboard and markers
- Stable internet connection
- Electrical points for laptops/charging

The room can be a computer lab, a SMART classroom, an IT block, or a multipurpose academic space.

2. Device & Hardware Requirements

EthicBizz programs are designed to work even in low-resource environments.

Recommended devices include:

- Basic desktop/laptop systems (4GB/8GB RAM acceptable)
- Shared devices for practical lab groups
- Students may bring personal laptops (optional)

Cybersecurity labs are conducted using **browser-based platforms**, avoiding the need for heavy installations.

3. Network & Software Requirements

- Internet bandwidth: Minimum 10 Mbps for class usage
- Access to cloud portals (Azure/AWS/Google) – free-tier supported
- Access to AI platforms and online coding environments
- No installation of unsafe or unauthorized tools; all tools provided by EthicBizz comply with educational safety standards

4. Administrative Support

The following support from the institution ensures program success:

- Scheduling coordination
 - Faculty coordinator availability
 - Student registration and communication
 - Documentation and reporting support
 - Event space arrangements
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5. Branding & Visibility Requirements

EthicBizz will provide:

- EB School & ECACA branding templates
- Posters and digital materials
- Certificates, event banners, and digital badges

The institution may display co-branded materials for visibility.

6. Safety & Compliance Considerations

EthicBizz follows all safety, ethical, and digital compliance standards:

- No harmful tools or real attacks are executed
- All cybersecurity activities run in safe, sandboxed labs
- AI projects follow responsible AI guidelines
- No invasive data collection takes place

Security and compliance documentation can be submitted upon request.

ANNEXURE – C

PROPOSED TEAM STRUCTURE & GOVERNANCE MODEL

The EB School partnership operates under a collaborative governance framework involving EthicBizz and the institution. This structure ensures smooth functioning, academic quality, and accountability.

1. EthicBizz Team Structure

a. Program Director

- Overall responsible for program planning and implementation
- Ensures curriculum quality and alignment
- Leads MoU compliance and institutional communication

b. Lead Trainer / Faculty Mentor

- Conducts sessions and workshops
- Oversees curriculum delivery
- Guides projects and assignments
- Maintains student progress records

c. Assistant Trainers

- Support hands-on sessions
- Provide implementation support
- Assist in monitoring student performance

d. Industry Mentors

- Provide real-world insights
- Conduct guest sessions and bootcamps
- Evaluate capstone projects
- Offer guidance for certification readiness

e. Evaluation & Reporting Team

- Prepares monthly and semester-level reports
 - Tracks attendance, progress, and project status
 - Maintains EB Dashboard
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2. Institution Team Structure

a. Faculty Coordinator

- Primary liaison between EthicBizz and institution
- Support in scheduling, student coordination
- Supervise events and academic integration

b. Department Heads / Management

- Review program progress
- Facilitate institutional resources
- Ensure NEP compliance and alignment

c. Student Volunteers (EB Leaders Club)

- Assist peer learners
 - Help organize events
 - Promote EB School activities
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3. Governance & Review Framework

Monthly Review Meetings

- Review attendance, session quality, feedback
- Track ERWA project progress

Quarterly Review Meetings

- Evaluate overall program impact
- Identify improvement recommendations

Annual Strategic Review

- Assess outcomes of ECB cycle
- Discuss expansion to other departments/classes
- Align next-year roadmap

This governance ensures transparency, quality, and long-term sustainability.

ANNEXURE – D

MONITORING, REPORTING & IMPACT ASSESSMENT FRAMEWORK

EthicBizz incorporates a structured Monitoring & Reporting system to ensure transparency, accountability, and measurable educational outcomes. This framework is aimed at institutions, accreditation bodies, and policymakers who require evidence-driven results.

1. Data Collection & Tracking Tools

a. Attendance & Participation Monitoring

A digital tracker will be maintained containing:

- Student attendance per session
- Participation scores
- Mentorship engagement
- ERWA task completion

b. Assignment & Project Tracking

EthicBizz maintains project logs:

- Activity submissions
 - Lab participation
 - Mini-project outcomes
 - Capstone project milestones
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2. Evaluation Components

a. Formative Assessments (Continuous)

- Quizzes
- Worksheets
- Lab-based exercises
- Reflection notes

b. Summative Assessments (Final)

- Capstone evaluation
- Certification practice scores
- Final viva/presentation

- Portfolio submission

Assessment methods adhere to NEP-2020's competency-based model.

3. Project Evaluation Rubrics

Rubrics Cover:

- Originality & creativity
- Ethical compliance
- Technical depth
- Documentation quality
- Problem-solving ability
- Practical applicability

Each category is graded on a standardized scale (e.g., 1–5 or 1–10).

4. Impact Reporting for Institutions

Reports submitted:

- **Monthly Progress Report**
- **Quarterly Impact Report**
- **Annual Consolidated Report**

The final report includes:

- Student achievements
 - Capstone showcase highlights
 - Certifications earned
 - Placement/internship recommendations (colleges)
 - Institutional visibility outcomes (events, media presence)
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5. Parent & Community Engagement Reporting

Special reports may include:

- Cyber awareness campaigns
- Peer-learning initiatives

- School-wide digital safety impact
 - Student leadership development metrics
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6. Compliance & Ethical Monitoring

EthicBizz ensures:

- All cybersecurity tasks are done in safe simulations
- Zero violation of privacy or systems
- AI projects follow responsible AI standards
- No collection of sensitive student data beyond permissible norms

A compliance summary is part of the annual report.