

**IT SECURITY IS
OUR MAIN
CONCERN**

**MiniFW-AI for
Schools &
Educational
Networks**

**Presentation
JUNE 2025**



Since 2013



MiniFW-AI for Schools & Educational Networks

- Sector-Specific AI Firewall
- Powered by ARCHANGEL 2.0
- Developed by Sydeco



What is MiniFW-AI?

- AI firewall embedded in ARCHANGEL 2.0 (IA2 Bis level)
- Observes encrypted/unencrypted traffic
- Uses AI to detect and manage content in real time
- Tailored policies for educational environments



MinFW-AI – 2025 Upgraded Features

- Now powered by L3 AI Engine (MLP-based)
- Encrypted Threat Detection (JA3 Fingerprinting, YARA, SNI Analysis)
- IoT Device Profiling for anomaly detection
- Bandwidth Abuse Alerts with live flow scoring

- Sector-specific dashboard and Zero Trust Enforcement
- MAC-locked secure .deb installers for verified devices only
- Full offline operation with ARCHANGEL 2.0 integration



Key Functions for Schools

- **Blocks YouTube Shorts and distractions**
- **Filters social media and online games**
- **Profiles and scores student device behavior**



Benefits for Educational Institutions

- Increases classroom focus and productivity
- Protects young users from inappropriate content
- Reduces network misuse and complaints



How It Enhances ARCHANGEL 2.0

- Adds advanced content categorization for youth
- Enables dynamic policy enforcement by group
- Real-time visibility into student behavior
- Integrated Zero Trust principles



Why It Matters

- Schools need strong digital protection
- Prevent distractions and security breaches
- MiniFW-AI helps keep learning environments safe and efficient

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