



IPSC IT FEST 2026

Platform & Environment Specification

The Black Box

The Doon School

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Platform & Environment Specification

1. Languages and tools

1.1 Permitted languages: English for all written documentation, forms, logs, and oral presentations. No programming languages are required or permitted.

1.2 Only The Black Box AI Deployed Model and one of many standard system web browsers (Google Chrome, Microsoft Edge, or Mozilla Firefox) will be allowed.

1.3 Prohibited tool: Any local or cloud-based programming environments (e.g., Python, Jupyter Notebooks, VS Code), machine learning frameworks (e.g., PyTorch, TensorFlow, OpenCV), image editing software (e.g., Photoshop, GIMP, Canva), AI assistants or LLMs (e.g., ChatGPT, Claude, Gemini), and browser extensions that automate web actions or edit page content.

2. Devices

2.1 Participants may bring any device of their choice other than those capable of providing Internet Access through Hotspot (these shall be deposited from before the competition starts). Use of any device of any sort will not be allowed post the starting of the round.

2.2 All participants will be given computers for the round. Also, the following shall be provided:

• Sealed folder containing the online-based Phase 1 dataset audit sheets and printed image samples.

• Digital dataset folder containing the baseline image dataset (provided via USB drive or local network share).

• Official printed worksheets for Phase 1 (Autopsy Log), Phase 3 (Confusion Matrix & Error Log), and Phase 4 (Override Plan).

• 30 unseen test images (distributed physically or via a locked digital folder at the start of Phase 3).

2.3 The Computers will get continuous power supply.

3. Network

3.1 Internet access will be available, but restricted strictly to accessing designated submission forms.

3.2

Reachable: Official event submission portals/forms only.

Blocked: All external websites, AI chatbots, search engines, image editing web tools, code repositories (e.g., GitHub), and messaging apps.

3.3 If local Wi-Fi or internet connection fails:

• Participants must immediately raise a hand to alert an event head.

• The team's official phase timer will be paused by the Event Head if the outage exceeds 2 continuous minutes.

• Teams must not switch to unauthorized personal mobile hotspots without explicit approval from the Event Head.

4. AI tools

4.1 What is permitted: Only the no-code training and evaluation interface provided natively by The Black Box AI Deployed Model.

4.2 What must be declared: All model training settings modified in The Black Box AI Deployed Model (Note that it is possible that modification is not permitted) must be logged on the Phase 2 and Phase 4 submission sheets.

4.3 Participants must be able to explain how their model was trained, why specific patch photos were taken, how those photos directly address identified dataset flaws, and how to interpret their confusion matrix results during the Phase 5 presentation and judge Q&A.

5. Provided resources

5.1

Baseline Dataset: A folder containing a set of heavily compromised images across designated classes.

Test Set: A collection of 30 unseen images handed out at Phase 3.

No specialized account creation is required; The Black Box AI Deployed Model runs directly in the browser without logins.

6. Submission

6.1 Format:

• Phase 1, 3, and 4 worksheets: Physical paper logs filled out in pen or digital PDF submission via Google Mail.

• Phase 2 & 4 Models: The Black Box AI Deployed Model exported model link or saved local project file.

• Phase 5 Deliverable: Slide presentation (PDF/PPTX format, max 5 slides) uploaded to the submission drive.

6.2 All digital files must be uploaded to the official event submission drive/form before the countdown clock hits 00:00 for each respective phase. Physical sheets must be handed directly to an assigned event head at the deadline. The details of how to upload the digital files will be provided during the event.

6.3 In case of Late or Malformed Submissions:

Late Submission: Subject to a penalty per minute late (up to 5 minutes maximum as per Rulebook §6.1). Submissions received after 5 minutes late receive 0 points for that phase.

Malformed Submission: (e.g., broken model link, unreadable file format, corrupt upload): The team is given 2 minutes upon notification to re-submit the original file. If uncorrected, the team is scored based on the visible or accessible components only.