Binary Fission

Step into a world where every decision collapses into two outcomes: right or wrong, true or false, on or off. Binary Fission breaks computer science down to its purest logic where complexity is split and meaning is rebuilt from simple choices. This category is designed for coders and non coders alike and does not reward memorized syntax or prior technical experience. Instead it challenges reasoning pattern recognition and clarity under pressure. Concepts and references are provided throughout. The real test is how you think when time works against you.

Round 1:

Three teams enter a fast paced battle of reaction and reasoning. Questions arrive rapidly testing foundational computer science ideas drawn from a shared syllabus base. Speed matters but confidence matters more. Teams must commit to answers knowing hesitation can cost control of the round. This stage rewards focus decisiveness and mental agility rather than technical background.

Delegate Cap: 2

Topics For Round 1:

- Hardware & CPU
- Logic gates
- Operating System
- Software
- Pseudocode & Flow Charts
- Databases
- Human–Computer Interaction
- Networking Internet
- Security
- AI
- Quantum cryptography

Note: All concepts, principles, and tasks assessed in this round will be based on the O Levels, A Levels, and FSC Computer Science curricula.

Round 2 :

Numbers speak in only two states: zero and one. In this round teams translate binary signals into decimal meaning while racing against time and competing minds. The challenge is intuitive and fully accessible to non coders relying on logic consistency and focus instead of programming knowledge. Patterns emerge quickly for those who stay calm and accurate.

Delegate Cap: 2

Round 3:

The final round shifts from interpretation to construction. Teams are given a problem and the tools needed to solve it including a syntax reference sheet to ensure fairness. A programming language, revealed only on the day of the round, will be used only as a medium while logical structuring takes priority, making the round accessible and friendly for non-coders. Delegates must break the problem into parts, design a clear solution and implement it under pressure. Success depends on precision adaptability and clean reasoning. No prior preparation is needed.

Delegate Cap: 2

ROUNDS MAY CHANGE DUE TO UNFORESEEN CIRCUMSTANCES.