TECHSYNOPSIS

Round 1: Abstract & Idea Submission (Concept Stage)

Time: 30-45 mins
Output: One-page abstract of the proposed software idea

- Domains are given to the teams
- The abstract should include:
    - Project Title
    - Problem Statement
    - Proposed Solution (basic functionalities)
    - Target Users
    - Expected Impact

- Innovation & Relevance (20 points) – Is the idea unique and meaningful?
- Feasibility (20 points) – Can it be developed with existing technologies?
- Clarity of Thought (10 points) – Is the abstract well-structured?

Round 2: SRS Drafting (Requirement Engineering Phase)

Time: 60-90 mins
Output: First draft of the SRS document

- Selected teams expand their abstract into a structured SRS document.
- The document must follow IEEE SRS standards and include:
    - Introduction (Scope, Definitions, Overview)
    - Functional Requirements (Features, Use Cases, Inputs/Outputs)
    - Non-Functional Requirements (Performance, Security, Usability)
    - Constraints & Assumptions

- Completeness of SRS (25 points) – Are all key sections covered?
- Clarity & Organization (20 points) – Is the document well-structured?
- Technical Feasibility (15 points) – Are the requirements realistic?

Final Round: Presentation & Defense

Time: 10-15 mins per team
Output: Presentation + SRS defense

- Teams present their final SRS to a panel of judges.
- They must justify their decisions, explaining:
    - Why they chose specific requirements.
    - How they handled changes.
    - How the software will work from a user perspective.
- Judges question teams to test their understanding.

- Presentation Skills (20 points) – Is the explanation clear and confident?
- Understanding of Software Requirements (20 points) – Can they defend their choices?
- Depth of Thought & Problem Solving (20 points) – Did they handle unexpected questions well?