KPR Institute of Engineering and Technology

Learn Beyond

(Autonomous, Affiliated to Anna University)

IEEE Robotics & Automation Society KPRIET SBC

IEEE VTS Connecting the Mobile World KPRIET SBC

MI QUINIX

Mechatronics Student Association

Chakravyuha

CODE DEBUGGING

Basic Guideline:

- Each team must consist of 3-4 members.

Event Phases:

➤ Phase 1: Debugging Round (Filter Stage)

- Task: Identify and fix syntax, logic, and edge-case errors in buggy code snippets (C, C++, Java, Python).
- Duration: 25–30 minutes.
- Evaluation: Correctness, efficiency, code quality.

➤ Phase 2: Medium DSA Round (Selection Round)

- Task: Solve a medium-level algorithmic problem (array/string based).
- Duration: 30–40 minutes.
- Evaluation: Automated scoring on correctness, edge cases, time & space efficiency.

➤ Phase 3: Final Round – Hard DSA Challenge (Interactive Showdown)

- Participants: 5 finalist teams.
- Task: Solve hard-level DSA problems with optimization focus.
- Interactive Element: Teams explain approaches live to judges. Judges may question or suggest modifications. Audience engagement encouraged.
- Duration: 45–60 minutes.
- Evaluation: Correctness, efficiency, clarity, defence of approach under questioning.

Evaluation & Judging Criteria:

- Correctness of solution.
- Handling of edge cases.
- Code efficiency (time & space).
- Quality of explanation and defence during Q&A (Final Round only).
- Overall teamwork and participation.

Event Protocol:

- Teams should report at the venue/hall within 10 minutes after the coordinator's announcement.
- No delays are allowed. Any change in timing must be informed to the coordinator in advance.
- Failure to report on me or absence without prior notification will lead to disqualification.

Evaluation and Jury Decisions:

- The team that performs best across all evaluation criteria will be declared the winner.
- The jury's decision will be final and binding.
- Any doubts or concerns regarding decisions should be directed only to the event officials.
- Non-compliance with rules or instructions from officials will result in disqualification.