



Learn Beyond

**KPR Institute of  
Engineering and  
Technology**

(Autonomous, Affiliated to Anna University)



**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 time 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.**