



IEEE Xtreme 18.0

Ultimate Guide to Competitive Excellence

Sessions Series Handbook

Session Flow

July 26

Champion's
Playbook -
Learn from the
world
champions

Aug 03

Mastering Data
Structures and
Algorithms
Day 01

Aug 10

Team
Dynamics &
Competition
Mastery

Aug 17

Mastering Data
Structures and
Algorithms
Day 02

Aug 24

Mastering
Proctor
Relations

Aug 31

The Core of
Competitive
Coding

Sep 07

IEEE Xtreme
Awareness &
Competition
Essentials

Sep 14

Mastering
Soft Skills for
IEEE Xtreme
Success

Sep 21

Proctor
Power-Up



Champion's Playbook - Learn from the world champions

26th July
7.00 pm to
8.30 pm

Unlocking the Secrets

- Insights from Top IEEE Xtreme Winners
- Time Management Techniques for Competitions
- Overcoming Common Competition Challenges
- Success Stories and Motivational Tips
- Interactive Q&A with Champions



Mastering Data Structures and Algorithms Day 01

03rd August
6.00 pm to
7.30 pm

Unlocking the Secrets

- Basic data structures: arrays, linked lists, stacks, queues.
- Advanced data structures: trees, heaps, hash tables, graphs.



Team Dynamics & Competition Mastery

10th August
7.00 pm to
8.30 pm

Unlocking the Secrets

- Introduction to team dynamics.
- Roles and responsibilities of team members.
- How to find correct team members.
- Effective communication.
- Setting team goals.
- Time management and scheduling.
- Resource management.
- Post competition review.



Mastering Data Structures and Algorithms Day 02

17th August
6.00 pm to
7.30 pm

Unlocking the Secrets

- Sorting and searching algorithms.
- Recursion and backtracking.
- Complexity analysis and optimization techniques.



Mastering Proctor Relations

24th August
7.00 pm to
8.30 pm



Unlocking the Secrets

- Communication Etiquette.
- Reporting Issues.
- Adhering to Rules and Instructions.
- Proctor Feedback

The Core of Competitive Coding

31st August
6.00 pm to
7.30 pm



Unlocking the Secrets

- Introduction to Competitive Coding
- Problem-Solving Techniques
- Code Optimization Strategies
- Overcoming Common Challenges

IEEEExtreme Awareness & Competition Essentials

Unlocking the Secrets

- Competition rules and structure.
- Benefits of participation.
- Preparation strategies.
- Planning and Preparation.
- Team Roles and Responsibilities.
- Problem solving techniques.
- Budgeting and Funding.
- Venue and Logistics.
- Registration and Participant Management.

7th Sept
7.00 pm to
8.30 pm



Mastering Soft Skills for IEEE Xtreme Success

Unlocking the Secrets

- Highlight the importance of teamwork, communication, time management, and stress management.
- Build a cohesive team by leveraging strengths and practicing team-building exercises.
- Master clear communication, active listening, and use effective communication tools.
- Apply strategies for efficient time allocation and maintaining focus under pressure.
- Recognize and manage stress with mindfulness, encouraging continuous learning and growth.



14th Sept
6.00 pm to
7.30 pm

Proctor Power-Up



Unlocking the Secrets

- Understanding Proctor Roles and Responsibilities.
- Best Practices for Effective Proctoring Managing.
- Common Proctoring Challenges Ensuring Fairness and Integrity in Competitions.

21st Sept
7.00 pm to
8.30 pm

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