



Marwadi
University
Marwadi Chandarana Group



Competitive Programming Club

Student Club by

**Department of Information and Communication Technology
Faculty of Engineering and Technology
Marwadi University**

Club Mentor

Prof. Nishith Kotak

(Location: MA157)

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Vision



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To empower students with strong problem-solving, algorithmic, and coding skills, enabling them to excel in competitive programming, technical interviews, and real-world computational challenges.

Mission



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- **CPM1:** To develop students' ability to approach problems analytically through algorithmic and project-based learning.
- **CPM2:** To provide structured learning paths, coding challenges, and assessments to enhance programming proficiency.
- **CPM3:** To offer exposure to data structures, algorithms, competitive coding platforms, and real-world applications, helping students discover their interests.
- **CPM4:** To engage with industry professionals, competitive programmers, and alumni to guide students toward placements, internships, and global coding competitions.

Club Objectives



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1. To encourage participation in coding competitions like Google Code Jam, Facebook Hacker Cup, TCS CodeVita, CodeChef, Leetcode, and Kick Start.
2. To enhance algorithmic thinking, optimization techniques, and coding speed through regular coding contests and hackathons.
3. To conduct mentorship programs where experienced coders guide beginners on problem-solving strategies.
4. To integrate industry-level coding challenges that align with placement preparation and technical interviews.
5. To facilitate collaborations with experts, alumni, and industry professionals through guest lectures, webinars, and workshops.
6. To foster a culture of innovation and teamwork, encouraging students to develop open-source projects and contribute to competitive coding platforms.

Club Outcomes



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- Increased participation and rank improvements in national and international coding contests.
- Enhanced coding efficiency and problem-solving skills, leading to higher placement success rates in tech companies.
- Stronger industry readiness, enabling students to secure roles in software development, AI, data science, and system design.
- A vibrant coding community that fosters collaboration, mentorship, and continuous learning.
- Improved logical reasoning and analytical thinking, beneficial for higher studies, research, and product development.

Club Activities



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- Fundamentals of programming
 - Unity Workshop
 - Introduction to Git and Github
 - Code Tracing and Debugging
 - Different types of coding and optimization-algorithm paradigms
 - Coding using MVC Architecture
 - How to build Chrome Extensions
 - Solving data structure problems
 - Building your own header files
 - Portfolio Designing
 - How to create backend restful APIs.
- And many more...

NOTE: Atleast 8 activities will be carried out in an academic year

Benefits to the Members



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1. Workshops and Hands-On training Sessions
2. Mentoring
3. Hackathon/Competition Supports
4. Interactions with the experts
5. Industry Visits
6. Placement Support to the Members

And many more...



Competitive Programming Club(Core)



ABHAY NATHWANI
Convener



ARYAN LANGHANOJA
Dy. Convener



VIVEK CHAVDA
General Secretary



KAUSHAL PARMAR
Event Coordinator



PAYAL MAKWANA
Tech Lead



ANSH RAYTHATHA
Content Manager

Skills to master:

C, C++,
Java Programming,
Data Structures,
Algorithms,
Algorithmic Optimization,
Git and Github



Prof. NISHITH KOTAK
Faculty Mentor



@CPCLUB_MU



For Registration



THANK YOU