



SINHGAD TECHNICAL EDUCATION SOCIETY'S
**SINHGAD INSTITUTE OF
MANAGEMENT & COMPUTER APPLICATION**

(Affiliated to Savitribai Phule Pune University & Approved by AICTE)

'NAAC' Accredited with 'A' Grade



S. No. 49/1, Off Westernly Bypass, Pune – Mumbai Expressway, Narhe, Pune – 411041, Tel : (020) 66831896 / 66831908 / 66831907

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DIRECTOR, SIMCA

Best Practice 3:

LOGICA : A Coding Competition

Objectives:

Logica is a coding competition based on C, C++ and JAVA Programming. Coding competitions are an important platform for programmers to showcase their skills and improve their coding abilities. These competitions provide a challenging environment where participants can solve complex problems within a given time limit. By participating in coding competitions, programmers can improve their problem-solving skills, programming proficiency, and familiarity with programming languages and tools.

Apart from that, coding competitions can be a fun way to challenge oneself and push personal limits. Participants can compete against others or against their own personal best. Participating in coding competitions can help build a portfolio of projects and solutions. Moreover, coding competitions can provide networking opportunities, allowing participants to meet other programmers, potential collaborators, and even future employers.

Context:

SIMCA wants their students to enhance their coding abilities on their own, so we always try to create such an environment by conducting Logica events every year. As the whole event involves 3 rounds. Students from all around India are welcome to attend the 1-day Coding competition. The participants' technical and coding skills will be put to the test in this, one of the biggest coding competitions.

The Practice:

The students of various technical institutes participate in groups. In each group there are 2 students. Coding Competition has Three rounds Online Elimination, Blind Coding and Final Coding.

ONLINE ELIMINATION ROUND –

- Each participants would be given a set of question paper containing 25 multiple choice objective type questions
- Time limit - 15 minutes





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- Only first 50 participants would be selected for BLIND CODING ROUND which will be conducted in OFFLINE mode.
- In case of tie between 2 or more participants, further 5 questions would be asked for final selection.

OFFLINE ROUNDS – BLIND CODING ROUND:

- 3 questions would be given to solve in Blind Mode (Monitor status – OFF) using JAVA or JAVASCRIPT.
- Only the first 25 participants would be selected for the FINAL CODING ROUND.
- In case of tie between 2 or more participants, your approach regarding solving problems will be checked.

FINAL CODING ROUND

- 3 questions would be given to solve using JAVA or JAVASCRIPT.
- Three winners would be selected.

SURPRISE ROUND IN CASE OF TIE IN THE FINAL ROUND

Evidence of success:

Our Alumni in every Alumni Meet share their experience about their coding ability in which they never fail to mention the LOGICA event which gave them an exposure to developing coding skills required as per IT companies need. IT companies have also appreciated these activities in their coding skill enhancing. The students have also mentioned how excited they were for this coding competition.

Problems encountered and resources required:

- Time allotted to students is less. They find it very challenging to manage the strategy, execution.
- It is difficult to get the corporate people as judges as they have to spend a lot of time (whole day) with the students.
- Increasing industry involvement in Logica events.



Sinhgad Technical Education Society's
Sinhgad Technical Institutes Campus
Sinhgad Institute of Management & Computer Application, Narhe

LOGICA'23 REPORT

1	Title:- -	LOGICA'23
2	Domain:	Nation Level Coding Competition
3	Name of the Judge: -	Mr. Nitin Bhopatkar, Team Lead, Techox LLP
4	Faculty Coordinator: -	Prof. Amar Shinde
5	Date: -	31/10/2023
6	Venue: -	Vivekanand Hall SIMCA
7	Time: -	8.00 am - 5.00 pm
8	Objective of Day: The primary objective of the LOGICA (National Level coding competition) event on 31st October 2023 is to provide a platform for coding enthusiasts from across the nation to showcase their skills, knowledge, and problem-solving abilities. This event aims to:	<ul style="list-style-type: none">• Promote and celebrate the talent and creativity of aspiring programmers and coders on a national scale.• Create a competitive yet collaborative environment where participants can learn from each other and gain valuable experience.• Establish a fair and well-organized coding competition with clear rules and regulations to ensure a level playing field for all participants.• Recognize and reward the top performers who demonstrate exceptional coding skills and problem-solving capabilities.• Foster a sense of community among coding enthusiasts, encouraging networking and interaction among participants, mentors, and attendees.• Provide an educational experience for all attendees through challenging coding rounds and the exchange of knowledge.• Inspire the future generation of coders and programmers to pursue their passion for coding and problem-solving.• Conclude the event with a sense of achievement, with the distribution of prizes and a heartfelt vote of thanks to all those who contributed to the success of the event.
	Context: LOGICA 2023, the National Level coding competition held on October 31, brought together coding enthusiasts from across the nation for a day of fierce competition and innovation, culminating in a grand prize distribution ceremony	

9	<p>Schedule:</p> <p>Welcome Speech: The event started with a welcome speech, which is a common practice to set the tone and welcome all the participants and attendees.</p> <p>Rules and Regulations: Following the welcome speech, the organizers likely explained the rules and regulations of the competition. This step is crucial to ensure a fair and smooth competition.</p> <p>1st Round: After the rules and regulations were clarified, the first round of the coding competition began. Participants would have been given a coding challenge to solve.</p> <p>2nd Round: Once the first round was completed, the second round of the competition commenced. This round could involve more challenging problems or a different format from the first round.</p> <p>3rd Round: After the second round, the third and presumably final round took place. This round may have been the most challenging and could have determined the winners.</p> <p>Prize Distribution: After all the rounds of the competition were completed, it was time for the prize distribution. The winners of the competition were likely recognized and rewarded for their coding skills and achievements.</p> <p>Vote of Thanks: To conclude the event, a vote of thanks was given. This is a way to express gratitude to all the participants, organizers, sponsors, and attendees who made the event possible.</p>
10	<p>Summary:</p> <p>LOGICA 2023, the National Level coding competition, held on October 31, 2023, was a remarkable gathering of coding enthusiasts nationwide. The day commenced with a warm welcome and a clear exposition of the event's rules and regulations. Participants engaged in three challenging coding rounds that tested their problem-solving abilities and creativity. The competition culminated in a grand prize distribution ceremony to honor the top performers. Throughout the day, attendees had the opportunity to network, learn from each other, and gain valuable insights into the world of coding. The event successfully celebrated the talent and innovation of aspiring coders on a national scale.</p> <p>Key Learning: The LOGICA 2023 event underscored the significance of:</p> <ol style="list-style-type: none">1. Fair Competition: Clear rules and regulations ensured a level playing field for all participants, promoting fairness and transparency.2. Collaboration: Participants and attendees leveraged networking opportunities to share knowledge, fostering a sense of community among coding enthusiasts.3. Problem-Solving Skills: The competition tested and enhanced problem-solving and coding abilities, inspiring participants to push their boundaries and innovate.4. Recognition: Honoring top performers through prize distribution served as motivation for participants to continually strive for excellence in their coding endeavors.5. Inspiration: LOGICA 2023 served as an inspirational platform, encouraging aspiring coders to pursue their passion and contribute to the world of coding and innovation.

Event Banner & Photographs:

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LOGICA '23
TECHNICAL FEST OF SIMCA
CODING COMPETITION
QUIZETHON | HUNT THE TREASURE | CODE VERSA
Tuesday, 31 October 2023 | 8.00 AM

CONVENER	HEAD OF DEPARTMENT (MCA)	FACULTY CO-ORDINATOR	STUDENT CO-ORDINATORS
Dr. Vijaya Puranik (Director, SIMCA)	Dr. Rajesh Gawali	Prof. Amar Shinde	Akash Yerunkar (9834178825) Prasad Ranjane (9518751324)

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