



SRI SAIRAM ENGINEERING COLLEGE, CHENNAI

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

IEEE COMPUTATIONAL INTELLIGENCE SOCIETY

## QUINTESSENCE NEXUS 2.0

**DATE:** 26th and 27th December 2024

**DAY-1(26.12.2024)**

**MOCK PARLIAMENT**

**VENUE:** Intel Lab

**DURATION:** 3 Hours(09:00 AM - 12:00 PM)

### **Introduction:**

The Mock Parliament session was successfully conducted on 26th December with enthusiastic participation from individuals across various constituencies. The event aimed to provide participants with a platform to experience parliamentary procedures, debate on key issues, and propose solutions while representing their allotted constituencies. The objective was to enhance public speaking skills, foster critical thinking, and provide an understanding of the legislative process in a simulated environment.

## **Guest Speaker Details:**

The session was honored by the presence of **Mrs. Abirami A**, Assistant Professor, SRM Easwari Engineering College, as the Chief Guest.

## **Key Highlights of the Session :**

**Debates on Key Issues:** Participants engaged in debates on topics such as environmental sustainability, healthcare reforms, and education policy

**Interactive Q&A:** A vibrant Q&A session followed the debates, where other members responded to queries regarding the impact of business intelligence on public sector efficiency, further deepening the participants' understanding of technology's role in governance.

**Role of Speaker and Committees:** The session simulated a parliamentary setting with a Speaker overseeing the debates. Committees were formed to draft resolutions on discussed issues, providing participants with hands-on experience in crafting policy.

## **Conclusion:**

The Mock Parliament session provided an excellent platform for participants to immerse themselves in the legislative process. The debates, guided by constructive feedback from Mrs. Abirami A, enabled participants to view real-world problems through the lens of data and governance. The event fostered learning, critical thinking, and collaboration.

## **Acknowledgement:**

We extend our heartfelt thanks to:

- The guest speakers for their valuable time and knowledge.
- The organizing committee for their meticulous planning and execution.
- All the participants for their spirited involvement and meaningful contributions.
- The audience and volunteers for their support in making this event a success.

## **Feedback:**

Feedback was overwhelmingly positive, with participants appreciating the opportunity to develop their debating skills and gain insights into parliamentary functions. Some suggested more time for debates and enhanced interaction with guest speakers. Overall, the session was well-received, and participants expressed interest in future editions of the event.

## **COLLEGE PREMIERE LEAGUE(CPL)**

**VENUE:** Intel Lab

**DURATION:** 3 Hours(01:00 PM - 04:00 PM)

## **Introduction:**

The CPL (Creative Premier League) event, modeled after the famous IPL bidding process, took place on 26th December, 2024. Participants were given a virtual sum of ₹100 crore to bid for players, and the one with the best strategy and selections emerged as the winner. The event brought together bright minds to engage in strategic decision-making, negotiation, and team-building.

## **Guest Speakers Details:**

The session was graced by the presence of **Dr. Brindha Saminathan, IEEE SB Counsellor, Sri Sairam Engineering College**, who served as the chief guest. His insights into leadership, decision-making, and the importance of analytical skills in modern-day industries added significant value to the proceedings.

## **Key Highlights of the Session:**

- Participants were divided into teams, each representing a franchise, and were given ₹100 crore to bid for players.

- The event simulated real-time bidding processes, teaching participants about market dynamics, negotiation tactics, and value-based decision-making.
- Teams demonstrated their understanding of player strengths, financial management, and risk assessment during the intense bidding rounds.
- The event also featured interactive segments where participants had to justify their bidding decisions, further enhancing the competitive spirit.

### **Conclusion:**

The CPL event was a success, allowing participants to not only enjoy the thrill of bidding but also to sharpen their financial management and team-building skills. The session helped the attendees develop a deeper understanding of real-world negotiation strategies while fostering a spirit of healthy competition.

### **Acknowledgments:**

Special thanks to Dr. Brindha Saminathan, IEEE SB Counsellor, Sri Sairam Engineering College, for his motivational talk and for sharing valuable insights. Appreciation is extended to the organizing committee, volunteers, and all participants for making the event a grand success.

### **Feedback:**

The event received positive feedback from the participants. They appreciated the engaging format and the opportunity to apply strategic thinking in a simulated business environment. Many noted that the event challenged their financial acumen and team collaboration skills, making it a valuable learning experience.

## **DAY-2(27.12.2024)**

### **CODE FEST**

**VENUE:** Intel Lab

**DURATION:**3 Hours(09:00 AM- 12:00 PM)

#### **Introduction:**

On 27th December 2024, we hosted CodeFest, an exciting coding competition aimed at fostering problem-solving skills and promoting collaboration among participants. The event featured a series of programming challenges that required participants to demonstrate their expertise in algorithms, data structures, and problem-solving techniques.

Participants engaged with a variety of coding problems ranging from finding specific elements in arrays to designing efficient algorithms for real-world applications. The challenges were designed to push the boundaries of creative thinking and solution optimization, all while fostering a spirit of healthy competition.

From small-scale coding problems to advanced algorithm design tasks, the event provided a platform for coders of all levels to showcase their talents and learn from one another. With problem statements that ranged from simple number manipulations to more complex matrix transformations and coin change problems, CodeFest successfully challenged participants to think critically and come up with innovative solutions.

#### **Guest Speakers Details:**

**Name:** [Dr.Soma Prathibha](#)

**Profile:** Professor | IEEE HKN| IEEE CS-SBC Chapter Advisor| Excom Member IEEE WIE MAS Section | Cloud Computing,Data Science and BlockChain Enthusiast

## **Key highlights of the session:**

Participants faced a variety of interesting coding challenges, such as:

- This problem involved implementing the second phase of insertion sort to sort arrays. Participants demonstrated their understanding of sorting algorithms and their applications.
- Tasked with determining whether fruits landed on Sam's house based on their positions, this challenge tested participants' ability to work with arrays and coordinate systems.
- Participants calculated and displayed the ratios of positive, negative, and zero elements in an array. The problem required attention to detail and precision in handling floating-point numbers.

### **Advanced Algorithm Design**

The session also included complex algorithm design problems that tested participants' skills in dynamic programming and matrix manipulations:

- Designing an optimal solution for the coin change problem using dynamic programming.
- Rotating a matrix by 90 degrees, showcasing the participants' understanding of 2D arrays and matrix manipulation.
- Finding the maximum area between lines to form a container, a classic algorithmic problem involving efficient two-pointer techniques.

### **Engaged and Competitive Participants**

The event saw enthusiastic participation from coders of all levels. They displayed great skill in tackling both beginner-friendly and advanced coding challenges, working in a competitive yet collaborative environment.

### **Real-Time Problem Solving**

Participants were required to solve problems within a fixed timeframe, which added an element of excitement and pressure. Despite the time constraints, several teams delivered optimized and creative solutions.

### **Interactive Learning**

The event provided an opportunity for learning and growth. Participants engaged in discussions after the competition, exchanging ideas on alternative solutions and improving coding practices.

### **Recognition of Excellence**

The best-performing teams were recognized for their efficient and innovative

solutions. Their ability to solve complex problems with minimal code complexity was particularly noteworthy.

## **Conclusion:**

CodeFest 2024 was a remarkable success, bringing together a diverse group of coders to solve a series of engaging and challenging problems. The event provided a platform for participants to showcase their problem-solving abilities while also learning from one another. With a variety of tasks that ranged from fundamental coding exercises to complex algorithmic challenges, the event catered to coders of all experience levels.

The competitive yet collaborative atmosphere encouraged participants to push their boundaries, demonstrating creativity, resilience, and technical prowess. The event also fostered a sense of community, where participants shared insights, learned from each other's approaches, and enhanced their coding skills.

Overall, CodeFest 2024 not only celebrated the participants' achievements but also helped them grow as programmers, making it a truly enriching experience for all involved. We look forward to hosting more such events in the future to continue nurturing talent and encouraging innovation in the coding community.

## **Feedback:**

The students thoroughly enjoyed participating in CodeFest 2024, and their feedback reflected the positive experience they had throughout the event:

### **1. Engaging Challenges**

Participants appreciated the variety of coding problems, which were not only stimulating but also pushed them to think outside the box. Many noted that the problems were well-balanced, catering to both beginners and advanced coders alike.

### **2. Learning Opportunity**

Students expressed that the event was a great learning experience, as it allowed them to apply theoretical concepts in practical scenarios. The hands-on approach with real-time problem-solving helped enhance their coding skills and deepen their understanding of algorithms and data structures.

### **3. Collaborative Environment**

Many students valued the collaborative atmosphere during the event. Although it was competitive, there was a strong sense of camaraderie, with participants exchanging ideas and learning from one another's approaches.

### **4. Time-Management Skills**

The time-bound nature of the challenges added an exciting layer of pressure,

helping students improve their time-management skills. They particularly enjoyed the thrill of racing against the clock while ensuring the accuracy of their solutions.

5. **Fun and Interactive**

Above all, the students found the event fun and rewarding. The friendly competition, interactive problem-solving, and opportunity to challenge themselves in new ways made CodeFest an unforgettable experience.

6. **Constructive Feedback**

Many participants also appreciated the feedback they received on their solutions, which helped them identify areas for improvement and refine their coding techniques.

## **REVIVE AND THRIVE**

**VENUE:** Intel Lab

**DURATION:** 3 Hours(01:00 PM - 04:00 PM)

### **Introduction**

The Revive and Thrive event, held on Day 2, 27th December 2024, focused on the theme of promoting a failure product. The session was aimed at equipping participants with practical strategies to transform underperforming products into success stories. The event offered valuable insights into analyzing failures, identifying market gaps, and creating impactful marketing campaigns for a product revival. Attendees were introduced to real-world case studies of brands that successfully turned their failing products into market leaders. The speakers emphasized the importance of customer feedback in reshaping product design and functionality. Techniques for leveraging social media and digital platforms to build a stronger brand presence were explored. Participants engaged in hands-on activities, such as redesigning a product roadmap and formulating a relaunch strategy. The session highlighted innovative tools for market analysis and competitor benchmarking. The event also emphasized collaboration across teams to ensure a comprehensive approach to product revival. Overall, the session empowered participants with actionable strategies and inspired a mindset shift towards innovation and resilience in the face of challenges.

## **Guest Speaker Details**

The guest speaker for the event was **Mr. Niresh Kumar S**, Assistant Professor at St. Joseph's College of Engineering. His extensive academic and industry background made him the perfect choice for this session.

## **Key Highlights of the Session**

- **Identifying Product Failure Causes:** Mr. Niresh Kumar S emphasized the importance of a detailed analysis of why a product failed, from market research flaws to misaligned customer expectations.
- **Pivoting and Rebranding:** The session covered successful strategies for pivoting, rebranding, and repackaging products to address the market's evolving needs.
- **Marketing Campaigns for Reviving Products:** Participants learned the significance of targeted marketing campaigns, focusing on the unique selling points that were overlooked or misunderstood during the product's initial launch.

## **Conclusion**

The 'Revive and Thrive' event provided attendees with a fresh perspective on product failures, showing that with the right strategies and mindset, even unsuccessful products can be revitalized and made competitive in the market. Mr. Niresh Kumar S's insightful approach to product failure management left the participants with actionable steps to turn their challenges into opportunities.

## **Acknowledgement**

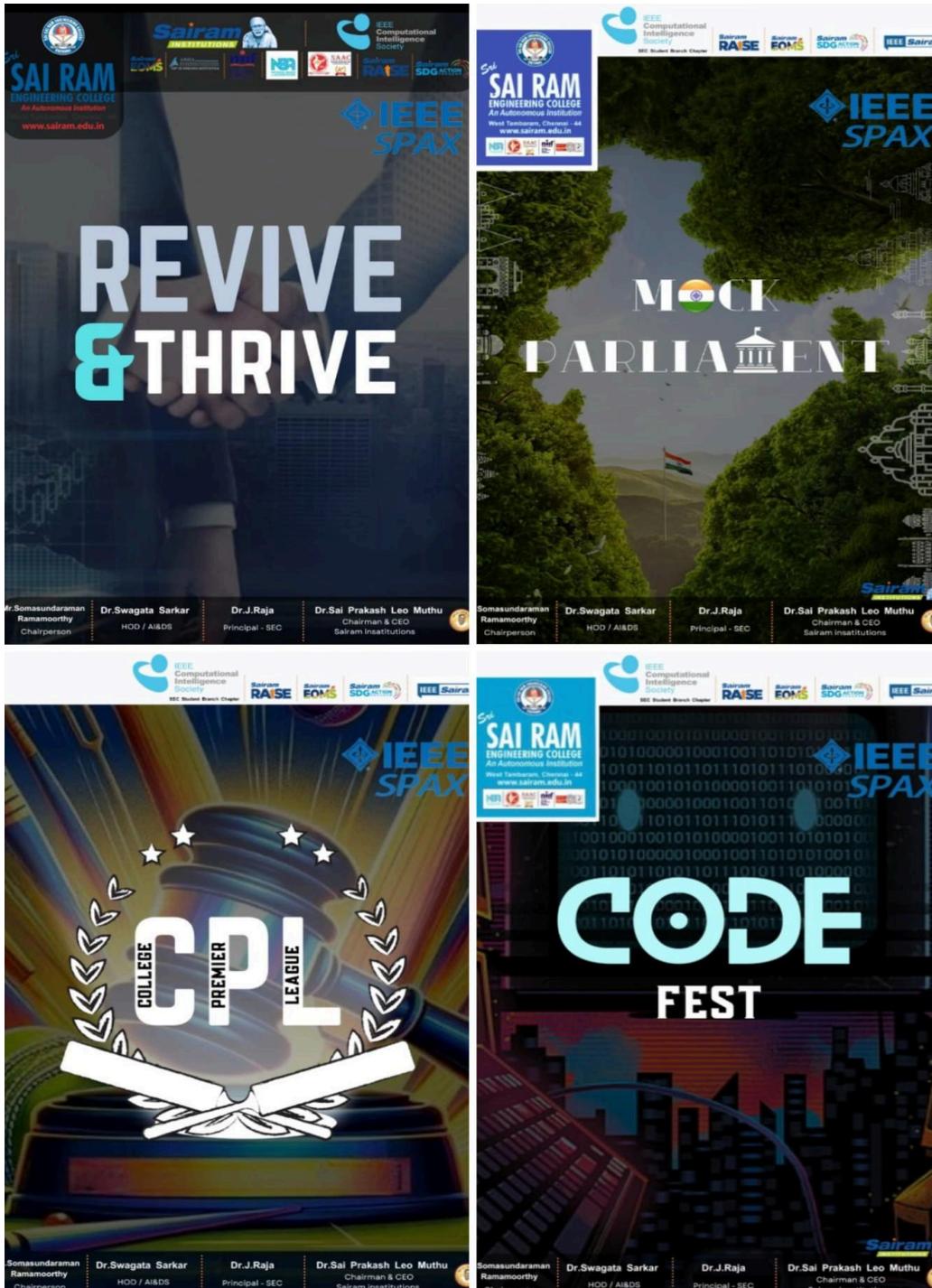
We would like to express our heartfelt gratitude to Mr. Niresh Kumar S for his time and invaluable insights into product revival. His expertise and enthusiasm truly made the session impactful. We also thank all participants for their active engagement, and the organizing committee for their efforts in making the event a success.

## **Feedback**

The participants appreciated the practical approach taken during the session. Many found Mr. Niresh Kumar S's use of real-life examples highly relatable and beneficial for their current

projects. Attendees highlighted the interactive nature of the session, as a valuable learning experience. Overall, the event was rated highly for providing tangible strategies to revive underperforming products.

**Event Poster:**



## Event Photos:

