



**SRI VENKATESWARA COLLEGE OF ENGINEERING
SVCE SCIENCE CLUB
ANNUAL REPORT 2023-24**

LIST OF EVENTS CONDUCTED

S.No	Event Date	Name of the event conducted
1	04/09/2023 06/09/2023 07/09/2023	AB- INITIO 2.0
2	27/09/2023	CALIBRATIONS 23' - The Chamber of Mystery
3	16/10/2023	CHANDRAYAAN UTSAV AND INAUGURATION CEREMONY
4	13/2/2024	THE THIRD EDITION OF iCUBE - Inauguration
5	16/2/2024 17/2/2024	THE THIRD EDITION OF iCUBE-Final Phase
6	28/02/2024	NATIONAL SCIENCE DAY
7	07/05/2024	HIGHWAYS 24' - ESCAPE ASYLUM
8	15/05/2024	SPARRING SOR SCIENCE
9	08/08/2024	VALEDICTORY CEREMONY



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AB- INITIO 2.0

AB-INITIO 2.0, a State-level Science expo cum experimental demonstration for school students was held from the 04th to the 07th of September 2023. Over 500 students from Sri Chaitanya, Velammal Matric, PSBB Matriculation Higher Secondary School, Gurukshetra Public School, KBJ Gurukulam School, and from various regions of Chennai, Kanchipuram, and Sriperumbudur participated in the event. The event commenced with an Inaugural ceremony in the presence of Dr. C. Shanmugam, a renowned Scientist in the field of Physics and Chemistry. It was followed by a warm welcome address by our esteemed Principal, Prof. Dr. S. Ganesh Vaidyanathan, who addressed the audience and displayed tremendous encouragement throughout the event. The gathering was also addressed by Dr. K.S. Badrinathan, Dean- Educational Development and Dr. R. Muthucumaraswamy, Dean- Research.

The students were taken to the following departments- Mechanical Engineering, Marine Engineering and Automobile Engineering where they were exposed to the laboratories. In the department of Automobile Engineering, the students were given a brief explanation of the various types of automobiles, their manufacturing and working. In the Department of Marine Engineering, the Students witnessed the primary frame structure of the most significant component of the marine, the ship. The students had the opportunity to learn about cutting-edge technology in the mechanical engineering field in the department of mechanical engineering. The department's advanced equipment, including the 3-D printer, robotic arm, and numerous other mechanical and automation components, were on display for the students to observe. The students also witnessed the projects displayed by the students of SVCE on various domains. The school pupils were able to observe the projects presented by the college students and interact with students from every discipline. Following the department visit and project expo students assembled at the Hall for a demonstration by the chief guest. The chief guest took the students to witness some experiments performed, and it was a really engaging and enjoyable session where the students learned a lot about the fundamental ideas.

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A poster presentation competition was conducted to the school students on the theme ‘Sustainability’. Students participated enthusiastically and displayed the posters they had prepared. The posters submitted by students were judged and certificates were distributed to the winners.

Velammal Matriculation school from Mogappair and Gurukshetra School from Kanchipuram bagged the first position. During the valedictory the certificate of achievement were presented to the students by The Regional Manager from Sri Chaitanya School.



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CALIBRATIONS 23' - The Chamber of Mystery

The Chamber of Mystery unfolds as a riveting competition, where 30 teams initially vie for supremacy. Only the top 15 teams advance, showcasing their exceptional puzzle-solving skills in the Filtration Round. Round 1 sets the stage across 2 rooms, each team confronting 15 unique puzzles within a strict 25-minute window. Randomized puzzle selection and strategic teammate swapping every 8 minutes heighten the challenge, testing not just individual intellect but also teamwork and adaptability.

Round 2 elevates the complexity with crime riddles, introducing a multi-level challenge. The team that cracked Round 1's puzzle first gains a strategic advantage in choosing their room for Round 2, setting the tone for tactical decision-making. In each room, teams unravel crime riddles, starting with identifying the culprit and advancing to uncovering the weapon used. Success in both levels of the riddle marks the teams' escape from Round 2's rooms, showcasing their collaborative prowess and deductive acumen.

The culmination sees the triumphant team of 3 members emerge as the ultimate champions, having navigated through a labyrinth of puzzles and riddles in The Chamber of Mystery. Their victory is a testament to their intellect, teamwork, and resilience in unraveling the enigmatic challenges presented.





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CHANDRAYAAN UTSAV AND INAUGURATION CEREMONY

SVCE Science Club, in collaboration with the Student Council, organized Chandrayaan Utsav, honoring Chandrayaan-3's success, featuring themes like "India on Moon" and "Self-reliant India's Chandrayaan." Events included a Poster-making Competition judged on idea, articulation, design, and reasoning; a Short-film Contest judged on storytelling, visuals, and creativity; and an Art Exhibition assessed for visual impact, clarity, skill, and engagement.

Top 15 poster entries were presented and judged by Dr. R. Muthucumaraswamy and Dr. K. S. Badrinath. Short-films were screened and judged by Dr. R. Muthucumaraswamy and Dr. N. R. Sheela, offering entertainment and insights. The Art Exhibition showcased sustainable art pieces and prototypes, judged by Dr. R. Anitha and Dr. N. R. Sheela, with Sri. V. Kumbakarnan as the esteemed guest.

The Inauguration Ceremony of SVCE Science Club for the academic year 2023-2024 was held on 16th October 2023. The ceremony commenced with the blessings of the almighty by reciting the Morning Prayer. Our Chief Guest for the occasion was Sri. V. Kumbakarnan, former Scientist/Engineer-H, Satish Dhawan Space Centre (SDSC), SHAR ISRO, Sriharikota.

The Chief Guest delivered an insightful lecture on ISRO's Launch Complex, discussing cutting-edge technologies and India's space exploration capabilities. Winners of the Poster-making, Short-film Making, and Art Exhibition were felicitated in the presence of esteemed faculty members including Dr. K. S. Badrinath, Dr. R. Muthucumaraswamy, Dr. G. A. Sathish Kumar, Dr. Sudhakar K Bharatan, Dr. S. Ramesh Babu, and Dr. A. Gnanasekar. The lecture provided attendees with a deeper understanding of ISRO's activities and vision, while the felicitation ceremony acknowledged the creativity and talent displayed by the participants in the Chandrayaan Utsav event.

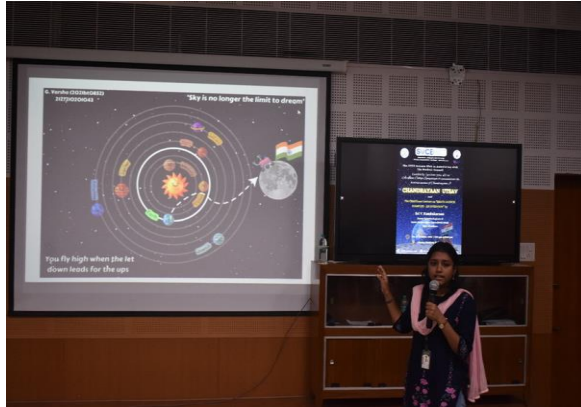


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The Office Bearers for the academic year 2023-2024 were announced during the ceremony. The list of the Office bearers is mentioned below:

OFFICE BEARER's NAME	POSITION
Mr. ADITYA KRISHNAN	PRESIDENT
Mr. VISHNUVASAN T S	CHIEF EXECUTIVE OFFICER
Ms. MASEERA AHMEDI M	VICE PRESIDENT
Ms. TEJASVI BOLLA	GENERAL SECRETARY
Mr. NARESH RAJ P	CHIEF MARKETING OFFICER
Mr. SHOBAN S	JOINT SECRETARY
Ms. RASHMIKA	TREASURER
Ms.SAKTHI MAHESWARI M	EXECUTIVE MEMBER
Mr. JUSTIN KIRAN KUMAR	EXECUTIVE MEMBER
Mr. RAHUL G	EXECUTIVE MEMBER
Ms. SUBASREE S S	EXECUTIVE MEMBER

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THE THIRD EDITION OF iCUBE - Inauguration

The Third Edition of i-CUBE, a National Level Intercollegiate Technical Event organized by the Students' Council in association with the SVCE Science Club, commenced on February 13th, 2024. Mr. VIJAY GNANADESIKAN, Founder and CEO of FaceTagr, graced the occasion as the esteemed guest of honor. Accompanying the dignitaries were Dr. M Sivanandham, Secretary of SVEHT, Dr. K. R. Santha, Vice Principal, Dr. R. Muthucumaraswamy, the Dean of Research, and Dr. N. R. Sheela, HoD, Department of Applied Physics and Coordinator of SVCE Science Club.

The dignitaries unveiled the teaser for the event, and Dr. N. R. Sheela, Coordinator of SVCE Science Club, provided an overview of i-CUBE's success and future editions. The Secretary highlighted the importance of innovation and research, while the Vice-Principal encouraged active participation. Mr. GNANADESIKAN emphasized the value of participation and learning, concluding the ceremony with a Vote of Thanks.



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THE THIRD EDITION OF iCUBE-Final Phase

The Third Edition of i-CUBE, a National Level intercollegiate Technical Event, was organized by The Students' Council in association with the SVCE Science Club. Ideate, Innovate, and Investigate are likely the three adjectives that best capture the core of this event. Phase I involved the review of abstracts submitted by participants. Out of the 165 teams that submitted abstracts, 102 teams were chosen. Phase II of the event took place on 16th and 17th February 2024

The event witnessed participation from premier colleges across the state such as SRM University, Sathyabama University, Rajalakshmi Engineering College, Saveetha Engineering College, R.M.K Engineering College, Chennai Institute of Technology, Velammal Engineering College, KCG College of Technology, St.Xaviers catholic College of Engineering, PSNA College Of Engineering and Technology, PSR Engineering College, and The New College.

Dr. R. Muthucumaraswamy welcomed participants, and Dr. N. R. Sheela, Dr. S. Ananda Babu, and Ms. Visalakshi Subramanian extended wishes. Dr. S. Ganesh Vaidyanathan appreciated collaborative efforts. Teams presented their models to internal and external panels. Day one concluded with project work and a surprise event, "Tech Buzz." On February 17, teams presented integrated ideas based on industry themes. Evaluation criteria included innovation, presentation, communication, novelty, and feasibility. Winners were selected based on these criteria.



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NATIONAL SCIENCE DAY

The Science Club at Government Boys Higher Secondary School, Sriperumbudur, celebrated National Science Day on February 28, 2024, from 10:00 am to 12:00 pm. Dr. N. R. Sheela delivered an enlightening speech on the day's theme. The event featured a lively Quiz competition with various rounds such as 'Simple Recall Test,' 'Connections,' and 'Rapid Fire.' Students enthusiastically participated, showcasing their knowledge and quick thinking skills.

After rigorous competition and exciting rounds, three students emerged victorious in the Quiz competition. They were awarded certificates and science quiz books by Dr. N. R. Sheela, the Headmaster, and Assistant Headmaster of the school. To commemorate the occasion and promote environmental awareness, all participants and teachers received biodegradable pens as tokens of appreciation.

The event concluded with a vote of thanks, acknowledging the collaborative efforts of the Science Club, school staff, and students in making the National Science Day celebration a memorable and educational experience.



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In view of National Science Day, a workshop titled "Science Driving Engineering" and a quiz competition were organized for Government Girls School students in association with the Bureau of Indian Standards Club at SVCE Campus.

The workshop aimed to inspire interest in science and engineering, featuring hands-on activities, guest lectures, and career guidance sessions. The quiz competition added an element of fun and knowledge-sharing, fostering a spirit of curiosity and innovation among the participants.





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HIGHWAYS 24' - ESCAPE ASYLUM

Escape Asylum hosted by SVCE Science Club had a variety of rooms up its arsenal. It challenged the participants to use various skills in some rooms and tickled their spine in some rooms. The room's themes are as follows:

- Anime and Webseries
- Snake and Ladder
- Blindfold
- Takeshi's castle

Anime and webseries room had riddles culminating in anime and webseries trivia ranging from easy to hard in a balloon and it was tied to the ceiling. Participants were required to cross hurdles present in the room to get the riddles and answer the questions. Gem was given to whoever answered a minimum of 10 riddles.

Snake and ladder followed the usual snake and ladder we used to play but on a larger scale. It follows the regular rules of the game and whoever reaches the 100th square were asked riddles and whoever answered it received the gem.

Blindfold was a team game where a team consisting of 3 participated. The team is required to roll two dice, according to which their table is determined. In the table, there will be 3 riddles ranging from easy, medium, hard which had general trivia as questions were to be answered. The answering part had a twist, which was, one person had to enact the answer to the second teammate, and then they both had to tell the answer to their blindfolded teammate. They had to direct the blindfolded teammate to the bench where they'll write the answer. Gems were given according to the number of questions answered.

Takeshi's castle was a hurdle room with a crawling, jumping and more adventurous twist to it. After initial hurdles crossed, there were traced paths to follow which was the second level to complete. Next level had a numeric puzzle with confusing numbers to remember and retell. Last level had a crime puzzle to solve which, if solved, resulted in a gemstone.

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SPARRING FOR SCIENCE

The SVCE Science Club organized Sparring for Science, a United Nations stimulation style debate event. The event aimed to encourage participants to engage in diplomatic discussions while tackling global issues from a scientific and geopolitical perspective.

Round1: Delegate Representation

In this round, participants had to embody the role of their assigned country's delegate. Each delegate presented their nation's stance on the global situation at hand, detailing their country's political and scientific perspectives. Following this, participants explained their country's anticipated course of action if the situation escalated into World War III, adding depth to the simulation.

Round 2: Crisis Simulation – Housing Crisis in Canada

The second round focused on a hypothetical scenario involving a severe housing crisis in Canada. Each delegate had to propose what their respective countries would do if faced with a similar issue, drawing from their nation's policies and resources. After preparation time, the participants delivered speeches outlining their country's strategy for resolving such crises domestically.

Round 3: Debate – Israel-Palestine Conflict

The final round brought participants into a heated debate on the Israel-Palestine conflict, discussing its historical roots and present-day complexities. Participants were divided into two teams, debating opposing sides of the issue, highlighting the key arguments for both parties, and proposing potential diplomatic solutions to resolve the ongoing genocide. The discussions in this round were intense and thought-provoking, showcasing each delegate's understanding of international diplomacy and negotiation tactics.

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Throughout the event, participants skilfully balanced diplomatic negotiation and creative problem-solving, tackling real-world issues with well-researched arguments and a clear display of global awareness.





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VALEDICTORY CEREMONY

The valedictory ceremony marked the successful conclusion of an engaging and impactful academic year for the SVCE Science Club.

The event commenced with an invocation, followed by the Welcome address delivered by Dr. R. Muthucumaraswamy, Dean of Research.

Next, the annual report for the academic year 2023-24 was presented by Dr. N.R. Sheela, Head of the Department of Applied Physics and Faculty Coordinator of the SVCE Science Club. The report meticulously highlighted the various activities, events, and initiatives undertaken by the club throughout the year, showcasing the dedication and enthusiasm of its members.

Following the annual report, Mr. Vishnuvasan T S , Chief Executive Officer of the SVCE Science Club, introduced the chief guest for the day. Dr. K. Pitchandi, Professor and COE, Department of Mechanical Engineering, delivered a compelling lecture on “Nurturing Leadership Skills in Educators and Learners.” Dr. K. Pitchandi's insightful talk provided valuable perspectives on fostering leadership qualities and their importance in both educational and professional contexts.

The winners of “Sparring for Science” were felicitated during the Valedictory Ceremony with certificates and books. The ceremony also included a special recognition segment where Certificates of Appreciation were awarded to core members of the club.

The valedictory ceremony concluded with a vote of thanks delivered by Mr. Aditya Krishnan, President. The event was wrapped up with the National Anthem, bringing a dignified close to the ceremony.

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