



Report on Vivacity 2024



20 - 21 Sept 2024



Code
Crafters



Tangle



Cyber
Stalkers



IoT
Quest



AI-Powered
Tales



Buzzer
Battle



Thought
Duel



Khazane
Ki Khoj

HEAD OF DEPARTMENT
Prof. Gayatri Kapadia

STUDENT CO-ORDINATORS
Ashish Sarvaiya (99240 64662)
Dharmesh Ambasht (73590 45487)

FACULTY CO-ORDINATORS
Prof. Prashant Keswani
Dr. Mayank Jain
Prof. Margee Rawal

PRINCIPAL
Dr. Hiren Patel

ABOUT VIVACITY 2024

To foster technical expertise and ignite the innovative spirit of young engineers, Sarvajanic College of Engineering and Technology proudly organized Kshitij 2024—Anant Gyan ki Talaash Mein. This year, Kshitij was held on September 20th and 21st, featuring a diverse array of events organized by various departments within SCET.



The poster for Vivacity 2024, organized by the MCA Department of Sarvajanic College of Engineering & Technology, is a vibrant collage of information. At the top, it features the college's logo, the event title in Hindi 'क्षितिज', and the department name. The central focus is the 'VIVACITY' logo with the dates '20 - 21 Sept 2024'. Below this, a grid of icons represents various activities: Code Crafters, Tangle, Cyber Stalkers, IoT Quest, AI-Powered Tales, Quiz, Duxter Bottle, Thought Duel, and Khozone Ki Khoj. The poster also lists the 'HEAD OF DEPARTMENT' (Prof. Gayatri Kapadia), 'STUDENT CO-ORDINATORS' (Ashish Sarvaiya and Dhormesh Ambasht), 'FACULTY CO-ORDINATORS' (Prof. Prashant Keswani, Dr. Mayank Jain, and Prof. Margee Rawal), and the 'PRINCIPAL' (Dr. Hiren Patel). At the bottom, it displays logos for 'IT PARTNERS' (STE tech, Taproot), 'SPONSORS' (ALAG, VJAY & NANI), and 'REFRESHMENT SPONSOR' (LA BENDA, neno, AMBICOT). A QR code for registration is located on the right side, and social media handles for SCET and MCA are at the very bottom.

The event brought together students, faculty, and industry professionals to explore the latest advancements in technology and innovation. Featuring a series of workshops, seminars, and competitions, Vivacity provided a platform for participants to showcase their skills and knowledge. Attendees engaged in thought-provoking discussions, hands-on activities, and networking opportunities, fostering a spirit of collaboration and creativity. The enthusiasm and talent displayed by participants not only highlighted the department's commitment to academic

excellence but also reinforced the importance of staying at the forefront of technological advancements.

"Individually, we can accomplish small tasks; together, we can achieve greatness."

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|--------------------------------|---|
| Faculty Conveners | Prof. Prashant Keswani Dr. Mayank Jain Prof. Margee Rawal |
| Student Coordinators | Ashish Sarvaiya Dharmesh Ambasht |
| Student Co-coordinators | Dhruvin Jobanputra Dhruv Patel Yashvi Jariwala Bhavya Pancholi |

Pre Vivacity Talk

As part of Kshitij, the MCA Department hosted Vivacity 2024—revive the Tech-Spirits Within. This vibrant event included both technical and non-technical activities, along with a Pre-Vivacity expert talk on “IoT: A Hands-On Workshop”. The session aimed to equip students with valuable insights and skills relevant to the evolving job market. Vivacity 2024 successfully encouraged participation in co-curricular activities while exposing attendees to current trends in technology and professional development. The event not only showcased the talent and creativity of the students but also reinforced the MCA Department’s commitment to nurturing the next generation of innovators and leaders in the tech industry.

The Internet of Things (IoT) is essential for Computer Science students as it bridges the gap between software and hardware, offering practical experience in developing real-world applications. By engaging with cutting-edge technologies like embedded systems, sensors, cloud computing, and data analytics, students gain skills that are highly sought after in today’s job market. IoT’s integration with AI, machine

learning, and big data further equips students with valuable interdisciplinary knowledge. Moreover, it emphasizes cybersecurity challenges and promotes innovation, enabling students to contribute to transformative fields like smart cities, healthcare, and sustainability. With the goal of equipping students with this expertise, the MCA Department had organized a Pre-Vivacity workshop on 18th September 2024, titled “IoT: A Hands-On Workshop”

| | |
|------------------------------|---|
| Date and Time: | 18 th September 2024, Wednesday 1:15 PM to 4:00 PM |
| Venue: | MCA Computational Lab |
| Targeted Audience: | Students of SCET |
| Coordinated By: | Dr. Kaushika Pal |
| Organized By: | MCA Department |
| No. of Registrations: | 99 |
| No. of Participation: | 70 |
| Speaker | Ms. Nivanta Desai, Software Trainer, SSM InfoTech Solutions |
| Key Learning | <ul style="list-style-type: none"> ✓ Web-Controlled LED ✓ LCD Display Integration ✓ Upload data on Cloud ✓ Temperature and Humidity Monitoring with DHT11 |
| IoT Devices Used | <ul style="list-style-type: none"> ✓ Sensor DHT11, LED, Buzzer, LCD, Arduino Uno, NodeMCU, Potentiometer, resistors, Jumper wired |

Glimpse of Pre-Vivacity Talk



Inaugural Ceremony

Vivacity 2024 commenced with an inaugural function in the Sarvajanik University Hall on September 20, 2024, at 10 AM. The uplifting atmosphere and inspiring speeches motivated the student coordinators and volunteers to dedicate their best efforts towards making Vivacity 2024 a resounding success. Their enthusiasm and commitment set a positive tone for the events to follow, showcasing the collective spirit of innovation and collaboration within the MCA department.

"Glimpses of the Inaugural Ceremony"

शुभं करोति कल्याणं आरोग्यं ऐश्वर्यं मेघम्।
शुभं करोति कल्याणं हृषीकेशस्य वासुदेवस्य।





Vivacity 2024 witnessed an overwhelming response, attracting over 800 participants from a diverse range of disciplines, including Computer Engineering, Information Technology Engineering, Electronics and Communication Engineering, Chemical Engineering, BCA, B.Sc. IT, and M.Sc. IT. Held on the 20th and 21st of September 2024, the event showcased a vibrant blend of talent and innovation, highlighting the enthusiasm and commitment of students across various fields. This remarkable turnout underscores the event's significance in fostering collaboration and creativity within the academic community.





Event Schedule

| Saraswathi College of Engineering & Technology | | | | | | | | | | | | | | | |
|--|-------------------------------------|---------------------------------------|---------------|---------------|---------------|---------------|-----------------------|--------------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| MCA Department | | | | | | | | | | | | | | | |
| Time | 9:00 - 9:30 | 9:30 - 10:00 | 10:00 - 10:30 | 10:30 - 11:00 | 11:00 - 11:30 | 11:30 - 12:00 | 12:00 - 12:30 | 12:30 - 1:00 | 1:00 - 1:30 | 1:30 - 2:00 | 2:00 - 2:30 | 2:30 - 3:00 | 3:00 - 3:30 | 3:30 - 4:00 | 4:00 - 4:30 |
| Department | Day 1 - 20th September 2024, Friday | | | | | | | | | | | | | | |
| MCA | | | Inauguration | Code Crafters | | | | Lunch Break | Buzzer Battle | | | | | | |
| | | | | MCA Lab | | | | | MCA Lab | | | | | | |
| | | | SC Hall | Thought Duel | | | | | IoT Quest | | | | | | |
| | | | | 3:00 | | | | | MCA Computational Lab | | | | | | |
| | | Day 2 - 21st September 2024, Saturday | | | | | | | | | | | | | |
| MCA | | AI-Powered Tales | | | | Lunch Break | Cyber Stalkers | | | | | | Validatory | | |
| | | MCA Lab | | | | | MCA Lab | | | | | | | | |
| | | Tangle | | | | | Khajane Ki Khoj | | | | | | 3:00 | | |
| | | MCA Computational Lab | | | | | MCA Computational Lab | | | | | | | | |

| Event Details | |
|---------------------|---------------------|
| Technical Events | 1. Code Crafters |
| | 2. Buzzer Battle |
| | 3. Thought Duel |
| | 4. IoT Quest |
| | 5. AI-Powered Tales |
| | 6. Cyber Stalkers |
| | 7. Tangle |
| Non-Technical Event | 8. Khajane Ki Khoj |

Code Crafters Event Details



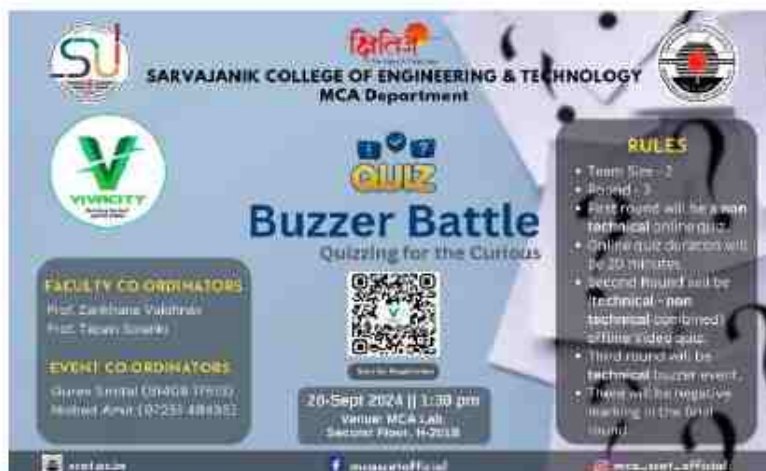
Code Crafters- Craft your C logic

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|----------------------------|--|
| Schedule | 20 th September 2024, Friday 11:00 AM, MCA Lab |
| Faculty Coordinator | Prof. Rashmi Chouhan Prof. Rinkal Parekh |
| Student Coordinator | Patel Apurv Ashokbhai Sonani Dharmik Pravinbhai |
| Student Volunteer | Yadav Rupesh Ramajor Sonani Anant Rajeshkumar Agarwal Rahul Vijaykumar |
| Event Description | The Code Crafters event, themed "Craft Your C Logic," successfully brought together coding enthusiasts eager to showcase their skills in C programming. The competition consisted of two challenging rounds designed to test participants' understanding of C logic and syntax. The first round, a rapid-fire scrutiny round lasting 10 minutes, assessed participants' quick thinking and problem-solving abilities. Following this, the final round provided a more in-depth challenge, allowing competitors half an hour to demonstrate their proficiency in crafting effective C code. The event not only fostered a spirit of camaraderie among participants but also highlighted the importance of logical reasoning in programming. |
| Total Registrations | 105 Teams (210 Registration) |

Glimpses of Code Crafters



Buzzer Battle Event Details



Buzzer Battle- Quizzing for the Curious

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|----------------------------|--|
| Schedule | 20 th September 2024, Friday 1:30 PM, MCA Lab |
| Faculty Coordinator | Prof. Zankhana Vaishnav Prof. Tapan Solanki |
| Student Coordinator | Gurav Smital Rajeshbhai Nishad Amit Sandeep |
| Student Volunteer | Indorwala Princekumar Manishbhai Savaliya Vrunda Manjawala Vansh Prashantkumar Bhatt Tirthraj Dipakbhai |
| Event Description | The "Buzzer Battle," themed "Quizzing for the Curious," was an engaging event designed for teams of two. Participants had to navigate through three exciting rounds, beginning with a 20-minute non-technical online quiz. The second round combined both technical and non-technical elements in an offline video quiz format. Finally, it was the technical buzzer round, where quick thinking and knowledge were essential. Negative marking was applied in the final round, adding an extra layer of strategy for the participants. This event proved to be an exhilarating experience for all quiz enthusiasts! |
| Total Registration | 67 Teams (134 Registrations) |

Glimpses of Buzzer Battle



Thought Duel Event Details



Thought Duel – Think, Debate & Innovate

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|----------------------------|--|
| Schedule | 20 th September 2024, Friday 11:00 AM, L-201 Classroom |
| Faculty Coordinator | Prof. Jayana Ahuja Prof. Preksha Parmar |
| Student Coordinator | Bhimjiyani Harsh Bhagat Riya |
| Student Volunteer | Desai Khushbu Mitulkumar Patil Tashu Mukeshbhai Vaidya Vaishvi Joshi Vyom Premalbhai |
| Event Description | The "Thought Duel - Think, Debate & Innovate" event engaged participants in a stimulating three-round debate format. Each team, consisting of two members, was tasked with presenting relevant arguments on assigned topics while adhering to a set of guidelines designed to foster respectful dialogue. Key rules included the prohibition of personal attacks, ensuring all discussions remained pertinent to the topic, and the finality of the jury's decisions. Dr. Mahesh Trivedi and Dr. Dhara Desai from SCET-ASH served as the esteemed jury, upholding the integrity of the competition. Participants were reminded that any violations of the rules could result in disqualification, emphasizing the importance of fair play and constructive discourse throughout the event. |
| Total Registration | 24 Teams (48 Registrations) |

Glimpses of Thought Duel



IoT Quest Event Details



The poster for the IoT Quest event features a dark blue background with circuit-like patterns. At the top, it displays the logos of Sarvajani College of Engineering & Technology (SCET) and Vivacity. The central text reads "IoT Quest" with the tagline "Simple Pieces, Impactful Outcomes" and a QR code for registration. To the right, under the heading "RULES", are four bullet points: "Teams of 2 must register together.", "Complete a quiz on IoT basic to qualify for the next round.", "Qualified teams receive a problem and components (Sensors, LEDs etc.)", and "Present your solution within the time limit.". At the bottom, it specifies the date and time as "20-Sept 2024 || 1:30 pm" and the venue as "MCA Computational Lab, Ground Floor, L-04". It also lists the faculty co-ordinators (Dr. Kaushika Pal, Ms. Tejal Surati) and event co-ordinators (Pachchigar Veer, Gajjar Vatsal) with their contact numbers. Social media handles for SCET and MCA are provided at the bottom.

IoT Quest – Simple Pieces, Impactful Outcomes

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|----------------------------|--|
| Schedule | 20 th September 2024, Friday 1:30 PM MCA Computational Lab |
| Faculty Coordinator | Dr. Kaushika Pal Ms. Tejal Surati |
| Student Coordinator | Pachchigar Veer Riteshbhai Gajjar Vatsal Vimalkumar |
| Student Volunteer | Savaliya Foram Dineshbhai Patel Heer Ketankumar Shukla Saumya Vijayendraprasad Koriya Deepkumar Dilipbhai |
| Event Description | The IoT Quest was an exciting and innovative event designed to immerse teams of two participants in the world of the Internet of Things (IoT). The event began with a quiz that tested participants on their knowledge of IoT basics. Qualified teams received a specific problem statement along with essential components, including sensors, LEDs, and other hardware, to develop their solutions. Participants had the opportunity to present their projects to Prof. Sandip Delwadkar from Uka Tarsadia University, highlighting how even simple pieces can create impactful outcomes in real-world applications. |
| Total Registrations | 26 Teams (52 registrations) |

Glimpses of IoT Quest



AI- Powered Tales Event Details



AI –Powered Tales – Your Imagination. Enhanced

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|----------------------------|---|
| Schedule | 21 st September 2024, Saturday 9:30 AM MCA Lab |
| Faculty Coordinator | Prof. Zankhana Vaishnav Prof. Pinal Mistry |
| Student Coordinator | Rana Kamya Parmar Hetvani |
| Student Volunteer | Patel Dhruv Harishkumar Patel Deep Kiritkumar Vaidya Manav Patel Aesha |
| Event Description | The "AI-Powered Tales" event showcased the innovative use of generative AI in storytelling. Designed for teams of two, the event comprised two engaging rounds. In the first round, participants had 30 minutes to craft a story starting from a given prompt using generative AI tools. This round encouraged creativity and collaboration as teams explored various narrative possibilities. The second round extended for 45 minutes, during which participants were tasked with generating at least three images that visually represented their created stories. The event highlighted the intersection of technology and imagination, allowing participants to enhance their storytelling skills through cutting-edge AI resources. |
| Total Registrations | 59 Teams (118 Registrations) |

Glimpses of AI-Powered Tales



Cyber Stalkers Event Details



The poster for the Cyber Stalkers event features a dark blue background with a hexagonal pattern and glowing padlocks. At the top, it displays the logos of Sarvajani College of Engineering & Technology (SU), Vivacity, and the MCA Department. The central text reads "CYBER STALKERS" in large white letters, followed by the tagline "Rise to challenge the Cyber World". Below this, the date and time "21-Sept 2024 || 12:00 pm" and the venue "MCA Lab, Second Floor, H-201B" are listed. A QR code for registration is on the right. The left side lists the Faculty Co-ordinators (Prof. Rashmi Chouhan, Prof. Riddhi Patel) and Event Co-ordinators (Kapuriya Meet, Raval Rudresh). A "RULES" section on the right lists: Team Size: 2, Round: 1, Round duration: 60 minutes and 15 minutes for guidelines, Event is on cyber security concepts, Cell phones are not allowed, and Maximum Teams Allowed: 40 (First Come First Serve). Social media handles for scet.ac.in, mcascetofficial, and mca_scet_official are at the bottom.

Cyber Stalkers Rise to challenge the Cyber World

| | | |
|----------------------------|--|---|
| Schedule | 21 st September 2024, Saturday 12: 00 PM MCA Lab | |
| Faculty Coordinator | Prof. Rashmi Chouhan Prof. Riddhi Patel | |
| Student Coordinator | Kapuriya Meet Raval Rudresh | |
| Student Volunteer | Patel Harsh Poojary Reshma Patel Khushi | Patel Vishva Dayani Krisha Savani Tisha |
| Event Description | The "Cyber Stalkers - Rise to Challenge the Cyber World" was designed to enhance awareness of cyber security concepts. Each team of two members, engaged in a rigorous 60-minute round. The format not only encouraged participants to delve deep into the complexities of cyber security but also to instill a sense of responsibility in navigating the ever-evolving digital landscape. As teams faced off, the atmosphere buzzed with excitement and anticipation, highlighting the importance of cyber awareness in today's interconnected world. | |
| Total Registrations | 68 Teams (136 Registrations) | |

Glimpses of Cyber Stalkers



Tangle Event Details



Tangle - Twist together into a design

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|----------------------------|--|
| Schedule | 21 st September 2024, Saturday 9:30 AM MCA Computational Lab |
| Faculty Coordinator | Prof. Jayana Ahuja Prof. Riddhi Patel |
| Student Coordinator | Poojara Urvisha Kosambia Riddhi |
| Student Volunteer | Naik Dhruvi Priyankkumar Desai Chand Prafulbhai Kakadia Krishna Hiteshbhai Gajera Priyanshi Sureshbhai |
| Event Description | The "Tangle- Twist Together into a Design" event was an exciting web designing competition. This engaging event featured two rounds. In the first round, teams of two faced a fast-paced 30-minute challenge that tested their quick thinking and problem-solving abilities in web design. Those who excelled advanced to the final round, which spanned an intense hour, giving them the opportunity to further develop and refine their designs. The atmosphere was charged with creativity as participants collaborated and created visually appealing web designs. By the end of the competition, participants left with valuable insights and experiences, making "Tangle" a memorable highlight of the event calendar. |
| Total Registrations | 68 Teams (136 Registrations) |

Glimpses of Tangle



Khajane ki Khoj Event Details



The poster for the 'Khajane Ki Khoj' event is set against a dark, textured background with a treasure map motif. It features logos for Sarvajani College of Engineering & Technology (MCA Department), Vivacity, and the college's emblem. The event title 'Khajane Ki Khoj' is prominently displayed in a stylized font. Key details include the date '21-Sept 2024 || 12:00 pm' and venue 'MCA Computational Lab, Ground Floor, L-04'. A QR code is provided for registration. The poster also lists the rules, faculty coordinators (Dr. Kaushika Pal and Prof. Smit Bhathgara), and event coordinators (Shah Malay and Mistry Rahul). Social media handles for the college are listed at the bottom.

SARVAJANI COLLEGE OF ENGINEERING & TECHNOLOGY
MCA Department

Khajane Ki Khoj

21-Sept 2024 || 12:00 pm
Venue: MCA Computational Lab,
Ground Floor, L-04

Khajane Ki Khoj
Puzzles, Paths, and Priceless Treasures!

RULES

- Teams of 4 members.
- Two rounds: Puzzle Solving and Treasure Hunt.
- Only teams clearing Round 1 move to Round 2.
- No mobile phones allowed.
- Registration: ₹100 per team (cash only).

FACULTY CO-ORDINATORS
Dr. Kaushika Pal
Prof. Smit Bhathgara

EVENT CO-ORDINATORS
Shah Malay (94261 89740)
Mistry Rahul (79908 30671)

scet.ac.in | mca.scetofficial | mca.scet.official

Khajane ki Khoj - Puzzles, Paths, and Priceless Treasures!

| | |
|----------------------------|---|
| Schedule | 21 st September 2024, Saturday 12:00 PM MCA Computational Lab |
| Faculty Coordinator | Dr. Kaushika Pal Prof. Smit Bhathgara |
| Student Coordinator | Shah Malay Ashwinkumar Mistry Rahul Dilipbhai |
| Student Volunteer | Tank Ashishkumar Jayantibhai Parmar Yash Rajendrabhai Patel Dishankumar Nitinbhai Patel Dhruv Rajeshbhai Savani Vishal |
| Event Description | The event "Khajane Ki Khoj - Puzzles, Paths, and Priceless Treasures!" themed around the exhilarating blend of puzzles and treasure hunts. The event saw teams of up to four members competing in a thrilling two-round format. The first round focused on puzzle-solving, challenging teams to think critically and creatively as they deciphered clues and navigated complex enigmas. In Round 2, they utilized their problem-solving skills to uncover hidden treasures. |
| Total Registrations | 43 Team (172 Registrations) |

Glimpses of Khajane ki Khoj



🌟 Prize Distribution/Valedictory Function

The Prize Distribution and Valedictory Function of Vivacity 2024 was a grand celebration of talent and achievement, featuring an inspiring address by Ashish Sarvaiya, who emphasized the importance of perseverance and collaboration in reaching our goals. Dharmesh Ambasth highlighted the event's success, noting the impressive participation and the diverse array of activities that showcased creativity and innovation. Students shared enthusiastic feedback, expressing how the festival provided invaluable learning experiences and fostered lasting friendships. An alumnus delivered a heartfelt testimonial, recounting how their participation in Vivacity shaped their career path and built their confidence. Prof. Gayatri Kapadia recognized the hard work of the student coordinators, praising their leadership and dedication, which were crucial to the event's success. Finally, Ms. Margee Rawal delivered a vote of thanks, expressing gratitude to everyone involved and leaving the audience inspired for future endeavors.

The Prize Distribution and Valedictory Function of Vivacity 2024 was not just a ceremony; it was a celebration of dreams realized and futures brightened.

Glimpses of the Valedictory function





✦ SCET in Media

SCET has made a significant impact in the media landscape, showcasing its commitment to innovation and excellence in education. The institution has garnered attention for its cutting-edge programs and initiatives that prepare students for the dynamic world of media and communication.



✦ Acknowledgements:

We would like to thank SES and SCET management for providing the infrastructure and support for conducting the event. We would like to express our profound gratitude to Dr. Hiren Patel, Principal - SCET for providing permissions and support to organize various events under Vivacity 2024. We sincerely thank to Dr. Mayank Dalal, Dean, SAWC for the help and cooperation towards facilitating all the requirements and dues. We are thankful to Prof. Gayatri Kapadia, Head, MCA Department for her continuous support and mentoring for all the events of Vivacity 2024.

"Hard work is the cornerstone of achievement; as we move forward, let us celebrate the effort that transforms aspirations into reality."

Report compiled by

Prof. Prashant Keswani

Dr. Mayank Jain

Prof. Margee Rawal

(Faculty Conveners)