क्षितिज
Anant Gyan Ki Talash Mein

SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY
MCA DEPARTMENT

Report on
Vivacity 2024

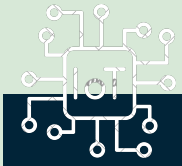
VIVACITY
Reviving the tech spirits within

20 - 21 Sept 2024

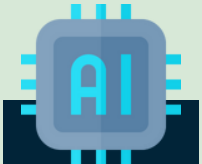
Code Crafters

Tangle

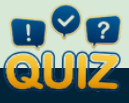
Cyber Stalkers



IoT Quest



AI-Powered Tales



Buzzer Battle

Thought Duel

Khazane Ki Khoj

HEAD OF DEPARTMENT
Prof. Gayatri Kapadia

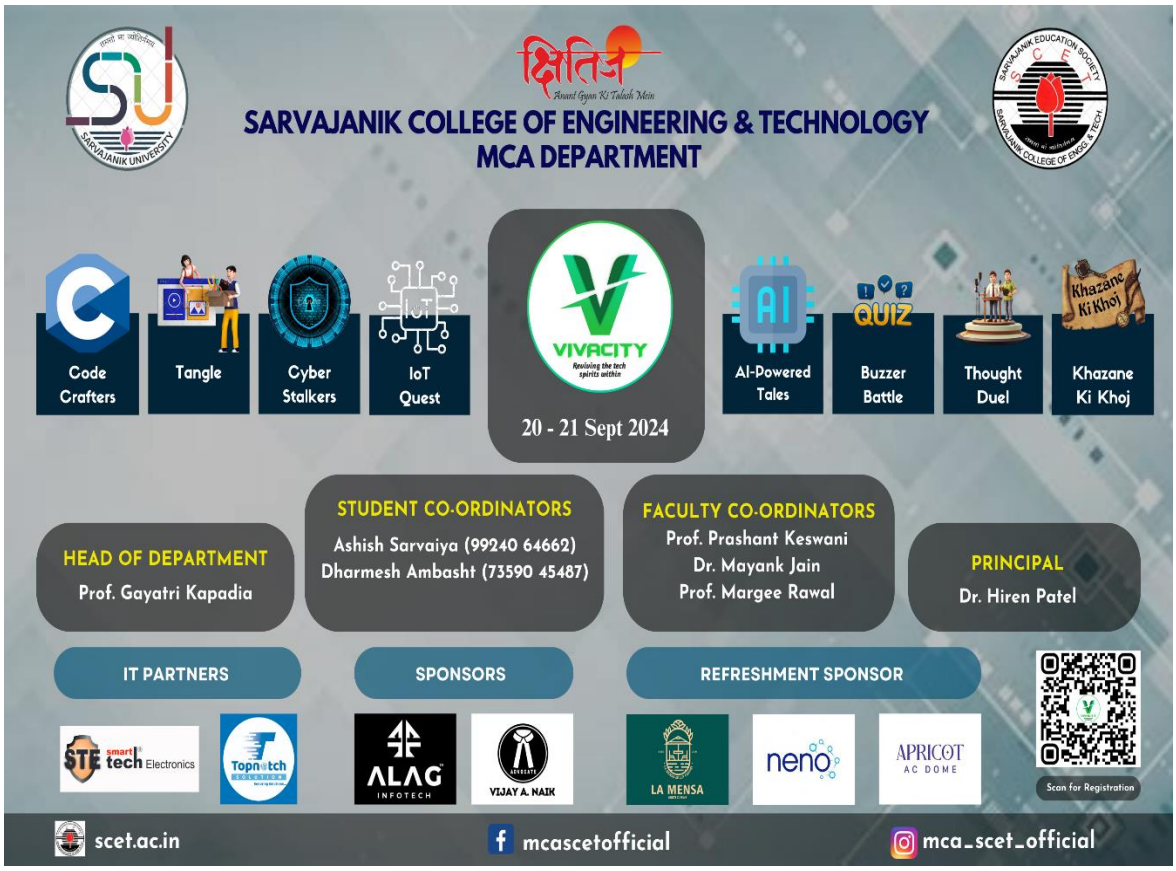
STUDENT CO-ORDINATORS
Ashish Sarvaiya (99240 64662)
Dharmesh Ambasht (73590 45487)

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, Sarvajanik 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 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."

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

Pre Vivacity Talk

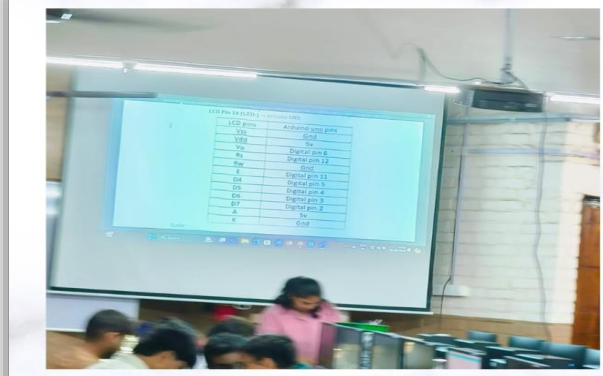
As part of Kshitij, the MCA Department hosted Vivacity 2024—revive the Tech-Spirits Within. This vibrant event included both technical and non-technical activities, along with a Pre-Vivacity expert talk on "IoT: A Hands-On Workshop". The session aimed to equip students with valuable insights and skills 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.

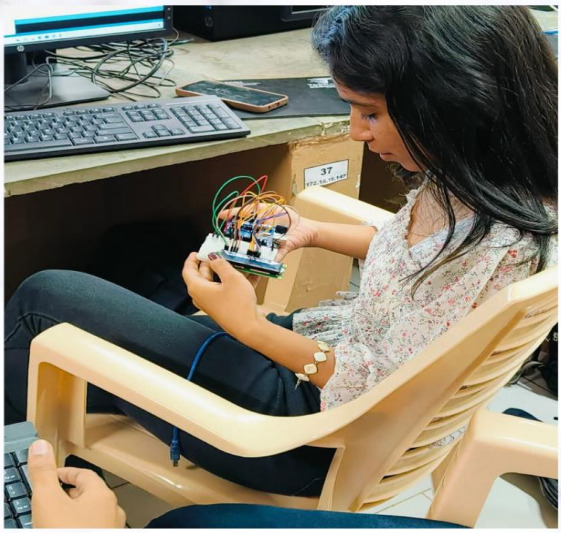
The Internet of Things (IoT) is essential for Computer Science students as it bridges the gap between software and hardware, offering practical experience in developing real-world applications. By engaging with cutting-edge technologies like embedded systems, sensors, cloud computing, and data analytics, 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 oraganized a Pre-Vivacity workshop on 18th September 2024, titled “IoT: A Hands-On Workshop”

Date and Time:	18th 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	✓ Web-Controlled LED ✓ LCD Display Integration. ✓ Upload data on Cloud. ✓ Temperature and Humidity Monitoring with DHT11
IoT Devices Used	✓ 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 मेषम्।
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

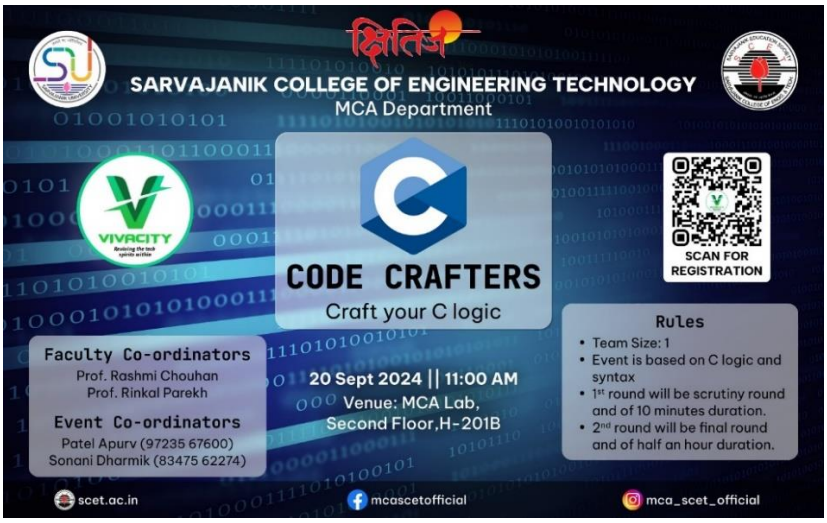
Sarvajanik College of Engineering & Technology

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					
			SU Hall		Thought Duel					IoT Quest					
					L-201					MCA Computational Lab					
	Day 2 - 21st September 2024, Saturday														
		AI-Powered Tales				Lunch Break	Cyber Stalkers						Valedictory		
		MCA Lab					MCA Lab								
		Tangle					Khajane Ki Khoj						L-201		
		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

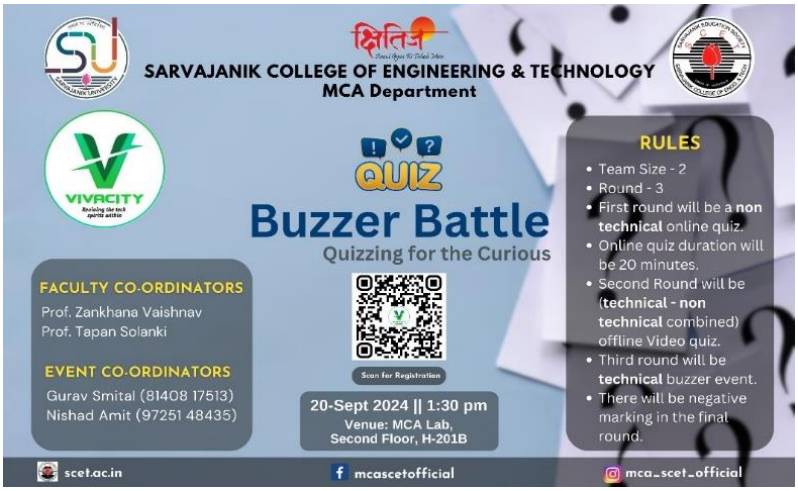


Code Crafters- Craft your C logic

Schedule	20th 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

Schedule	20th 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

Schedule	20th 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)

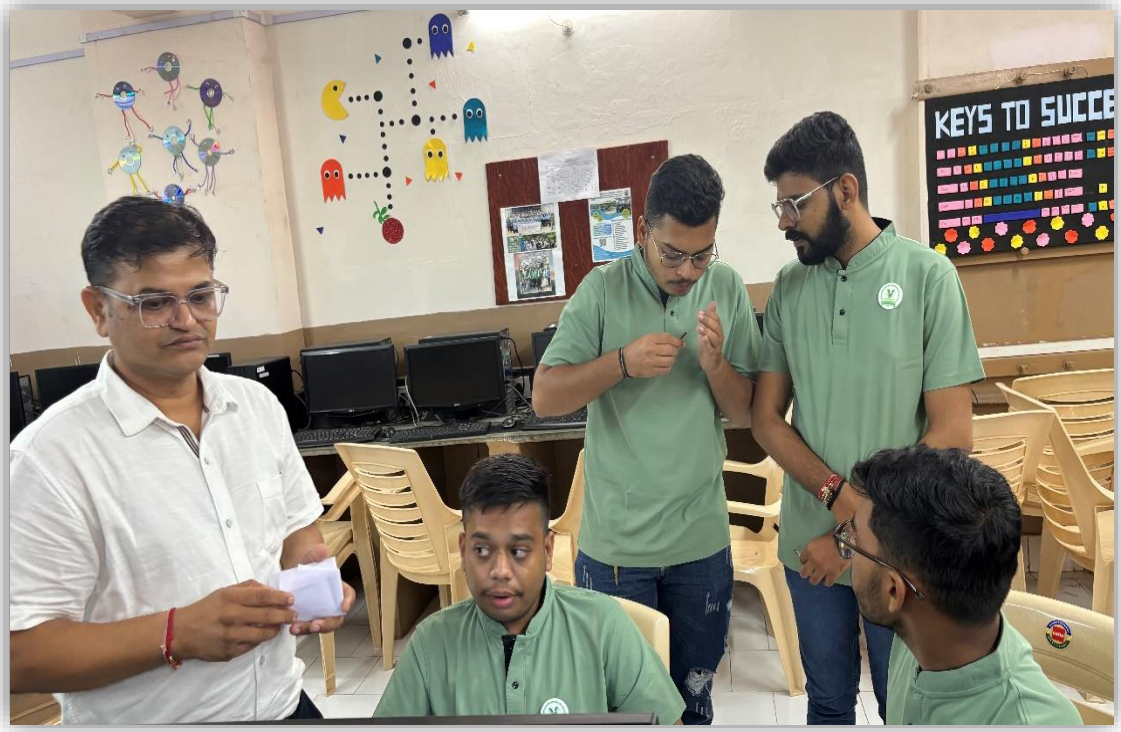
Glimpses of Thought Duel

IoT Quest Event Details

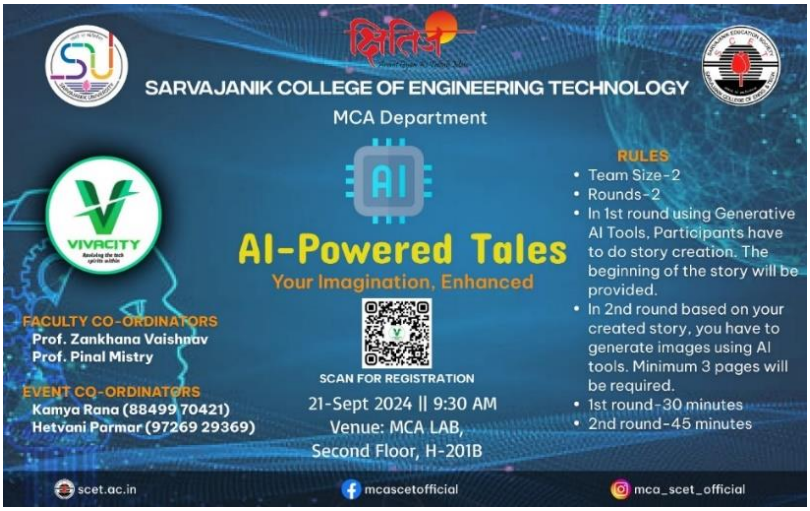
IoT Quest – Simple Pieces, Impactful Outcomes

Schedule	20th 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



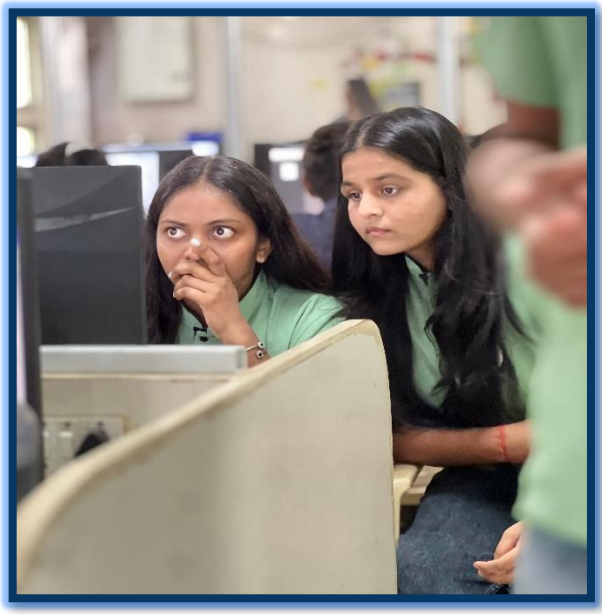
AI- Powered Tales Event Details

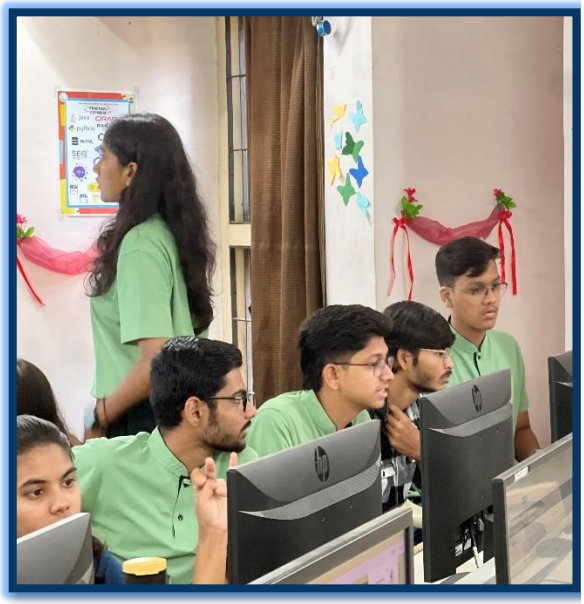


AI –Powered Tales – Your Imagination. Enhanced

Schedule	21st 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

Cyber Stalkers Rise to challenge the Cyber World

Schedule	21st 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 Patel Vishva Poojary Reshma Dayani Krisha Patel Khushi 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

Schedule	21st 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

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

Schedule	21st 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 Savlani 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

VIVA
CITY

VIVA

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.

સ્કેટના સાયન્સ ફેરમાં જુદા જુદા પ્રોજેક્ટ રજૂ થયા

શહેરના અઠવાલાઇન્સ વિસ્તારમાં આવેલી સ્કેટ કોલેજમાં શુક્રવારે સાયન્સ ફેરનું આયોજન કરવામાં આવ્યું હતું, જેમાં વિદ્યાર્થીઓએ રોબોટ સહિત જુદા જુદા પ્રોજેક્ટ રજૂ કર્યાં. Gujaratmitra 21-09-2024 (તસવીર : સતીષ જાદવ)

સાર્વજનિક કોલેજ ઓફ એન્જિનિયરિંગ એન્ડ ટેક્નોલોજીમાં ટેક ફેસ્ટનું આયોજન

સાર્વજનિક કોલેજ ઓફ એન્જીનીયરીંગ એન્ડ ટેકનોલોજી (સ્કેટ) ખાતે વિદ્યાર્થીઓમાં રહેલ ટેકનિકલ અને નોનટેકનીકલ શક્તિઓનો જ્ઞાનવર્ધક વિકાસ થાય તે હેતુથી દર વર્ષે ટેક ફેસ્ટનું આયોજન કરવામાં આવ્યું હતું. આ ફેસ્ટનો મુખ્ય ઉદ્દેશ્ય વિદ્યાર્થીઓને પોતાના કૌશલ્ય અને પ્રતિભા દર્શાવવા માટે એક મંચ પૂરું પાડવાનો હતો. આ પ્રસંગે વિદ્યાર્થીઓ માટે વિવિધ સ્પર્ધાઓ, પ્રદર્શન અને વર્કશોપનું આયોજન કરવામાં આવે છે. બે દિવસ ચાલનાર આ ટેક ફેસ્ટમાં કુલ ૧૧ ઈવેન્ટ્સ જેમ કે અપડેટ્સ, નિર્માણ, ઉર્જા, સીમ્પોસીયમ, કોન્વર્સ, કોઈન, વિવાસીટી, કેમ્કલેવ, મોમેન્ટમ, સમન્વય અને રોબોટીક્સ વગેરેમાં કોલેજના પ્રથમ વર્ષથી લઇ ફાયનલ વર્ષ સુધીના તમામ વિદ્યાર્થીઓએ ઉત્સાહભેર ભાગ લઇને પોતાના કૌશલ્ય અને પ્રતિભા દેખાડી હતી. આ ટેક ફેસ્ટનું મુખ્ય આકર્ષણ ટેકનીકલ સ્પર્ધાઓ, વર્કશોપ અને વિદ્યાર્થીઓ દ્વારા બનાવેલા પ્રોજેક્ટ્સનું જીવંત પ્રદર્શન થકી વિદ્યાર્થીઓને તેમની વિચારશીલતાનું પ્રદર્શન કરવાની તક મળી હતી. ટેક ફેસ્ટમાં વિદ્યાર્થીઓ ઉત્સાહથી ભાગ લઇ રહ્યા છે.

Sandesh - 22-09-2024

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)