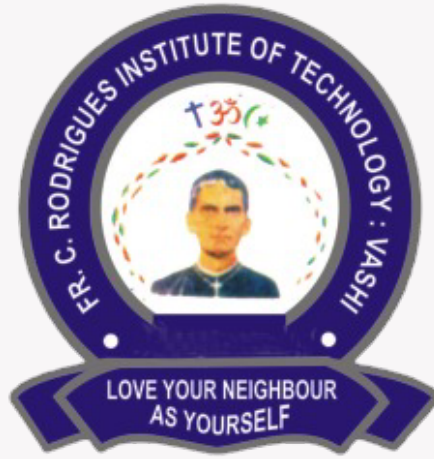


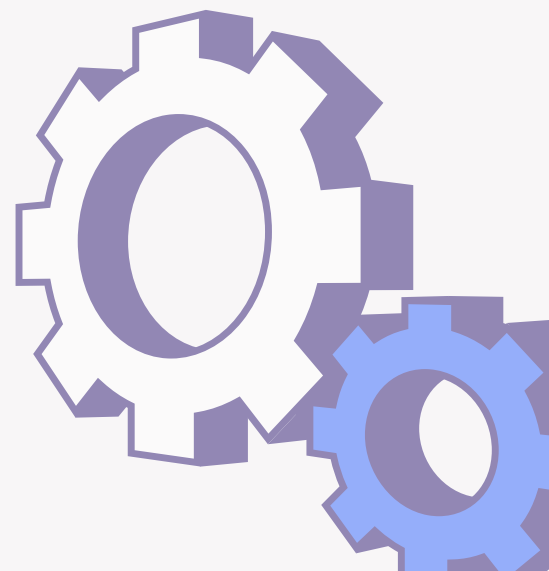
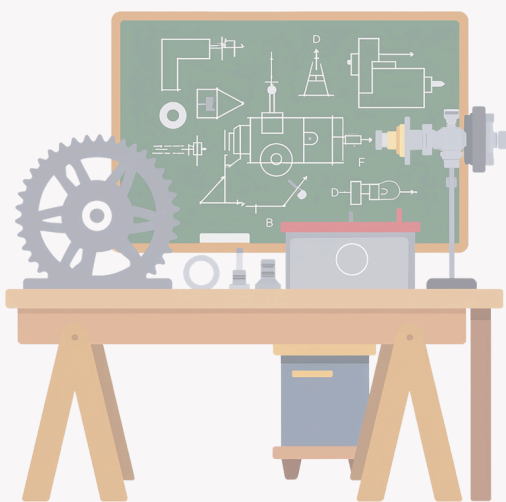


FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI

*(AN AUTONOMOUS INSTITUTE PERMANENTLY AFFILIATED TO
UNIVERSITY OF MUMBAI)*

NEWSLETTER

2025-26



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Messages



**Rev. Fr. Peter D'Souza,
Managing Director**

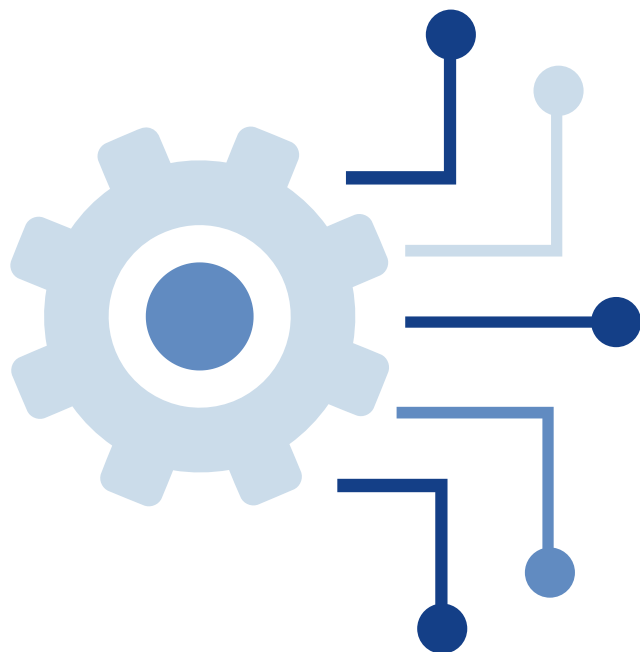
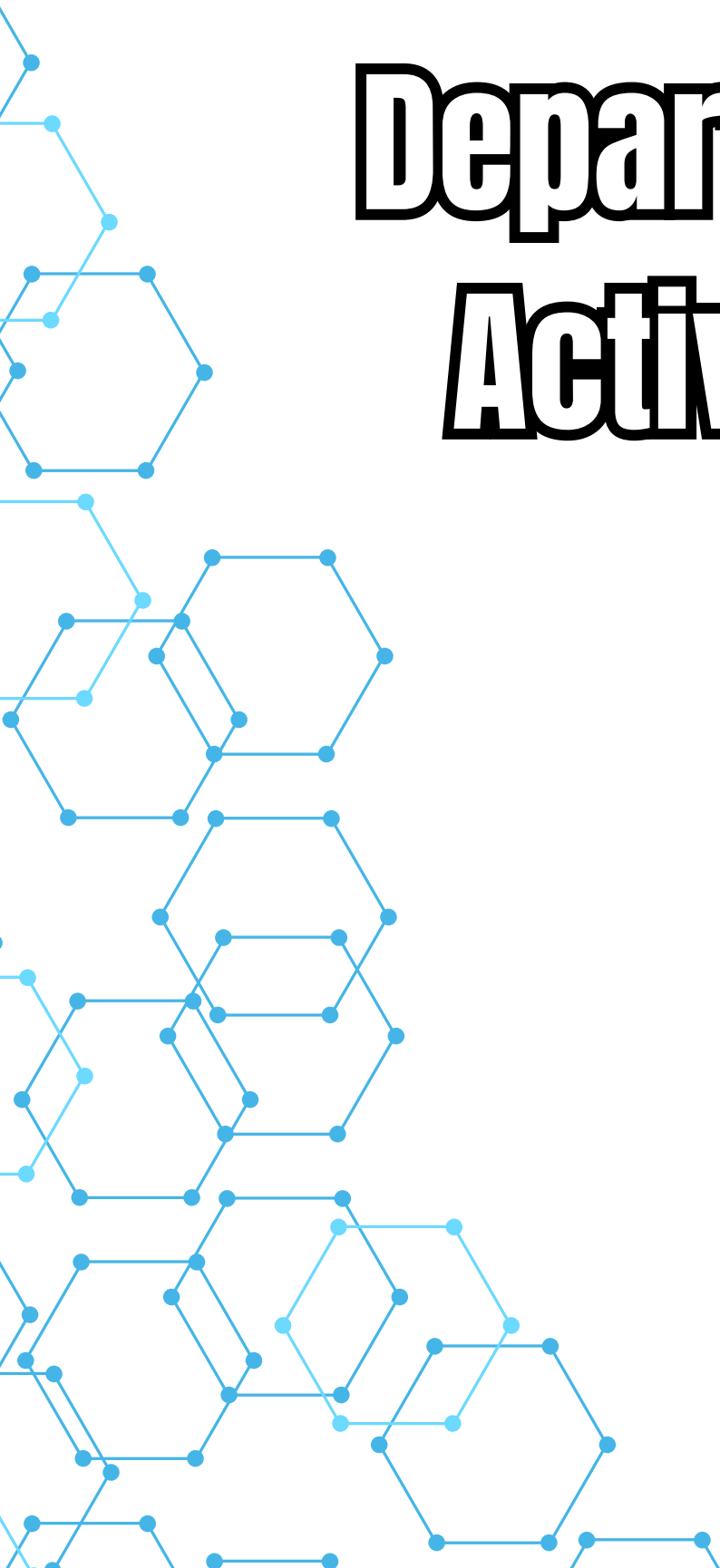
Fr. Conceicao Rodrigues Institute of Technology stands as a premier institution committed to the advancement of knowledge, creative innovation, and humanitarian service. Leading this community as a servant of God, I view our college not merely as a hub of academic achievement, but as a sanctuary where moral values, integrity, and deep compassion seamlessly intertwine with technical education. Our guiding purpose is anchored in an essential truth: genuine education must cultivate the complete individual. Within FCRIT, we labor to shape engineers who possess not only brilliant technical minds but also compassionate and noble hearts. True success, in our view, extends beyond physical creations; it is measured by our positive impact on society, the ecosystem, and the human lives surrounding us. The core objectives of our institute are twofold. First, to cultivate technical brilliance by providing students with robust engineering fundamentals and the courage to pioneer new ideas. Second, to embed deep ethical values and accountability, serving as a reminder that expertise devoid of principles cannot effectively uplift humanity. Through the years, we have forged an environment that pairs rigorous academics with all-around personal growth. Our passionate professors, advanced laboratory facilities, and robust corporate connections ensure our students are fully equipped to meet contemporary global challenges. Simultaneously, our university culture nurtures personal reflection, community engagement, and a deep appreciation for diversity—principles that anchor our students and illuminate their future paths. FCRIT remains dedicated to preserving these exceptional benchmarks while confronting tomorrow's challenges with resilience and determination.



**Dr. S.M Khot,
Principal**

Fr. Conceicao Rodrigues Institute of Technology, a distinguished engineering institution, operates on the principle that learning goes far beyond delivering academic knowledge; it is about molding individuals capable of offering meaningful value to the world through ingenuity, honor, and leadership. From our very beginning, we have been guided by a unified purpose: to develop technically skilled, ethically grounded, and socially conscious engineering professionals. Our core objective is to deliver a life-changing learning environment that masterfully balances robust theoretical principles with hands-on, practical engineering experiences. We strive to inspire analytical reasoning, inventive thinking, and a drive that ensures our graduates are fully equipped to navigate the evolving requirements of global markets and technical research fields. We believe every student possesses unique potential, which we nurture so they can sharpen their practical talents alongside acquiring advanced academic insights. Our institution remains firmly dedicated to its central goal: producing not merely technical engineers, but multi-faceted individuals and exceptional professionals.

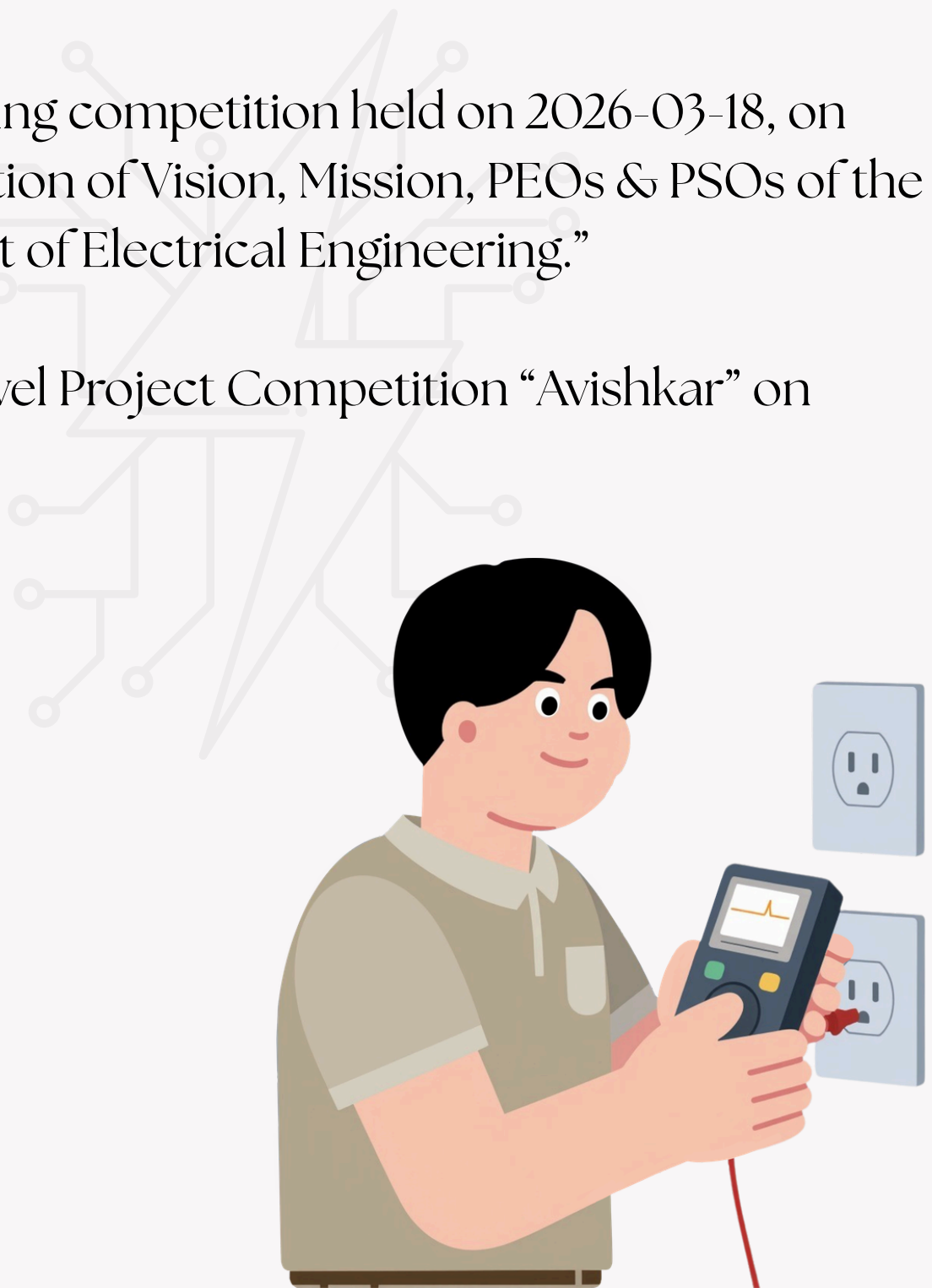
Department Activities



ELECTRICAL DEPARTMENT



- Webinar on “Mastering Engineering Interview” on 2025-04-07.
- Seminar on “How to become successful entrepreneur” on 2025-03-14.
- Seminar on “Electrical Fire & Safety” on 2025-04-10
- Poster making competition held on 2026-03-18, on “Dissemination of Vision, Mission, PEOs & PSOs of the Department of Electrical Engineering.”
- National Level Project Competition “Avishkar” on 2026-04-18.



MECHANICAL DEPARTMENT



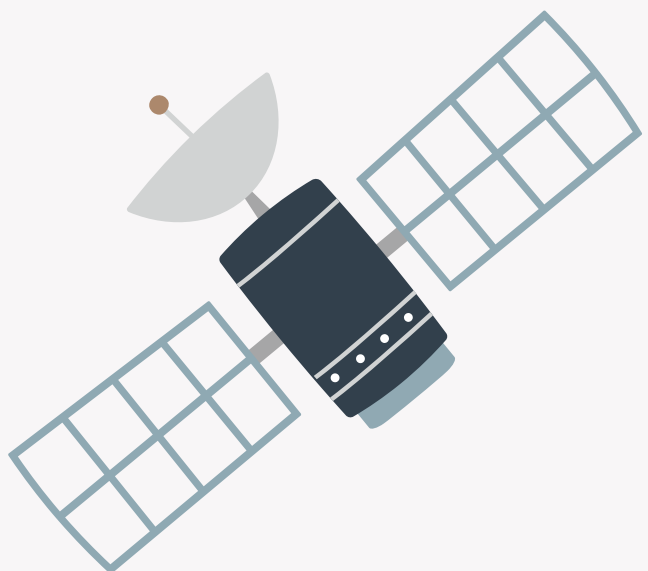
- “World Water Day” seminar on 2025-03-29.
- “Seminar related to Automobile” on 2025-04-24.
- “Lecture Series” from 2025-01-29 to 04-09.
- “Task-like variables and Leadership” on 2025-03-29.
- Extra-curricular “Modeling Challenges in Non-automotive Industry” on 2025-09-22.
- “MESIS” from 2025-08-14 to 03-15.
- Hosted the “CALIBRÉ 2k26” in April 2026 with multiple flagship events.



EXTC DEPARTMENT



- “LaTeX Essentials” workshop from 2025-02-03 to 10.
- “Linux and Bash Scripting” workshop on 2025-04-07
- “Annual Report of State Governance” on 2025-05-11.
- “Customer Service Information” on 2025-1-26.
- “Stress Assessment” on 2025-05-11.
- “Fire Safety” on 2025-01-15.
- National Level 24-hour Hackathon “Tech Mania” from 2026-04-11 to 12.



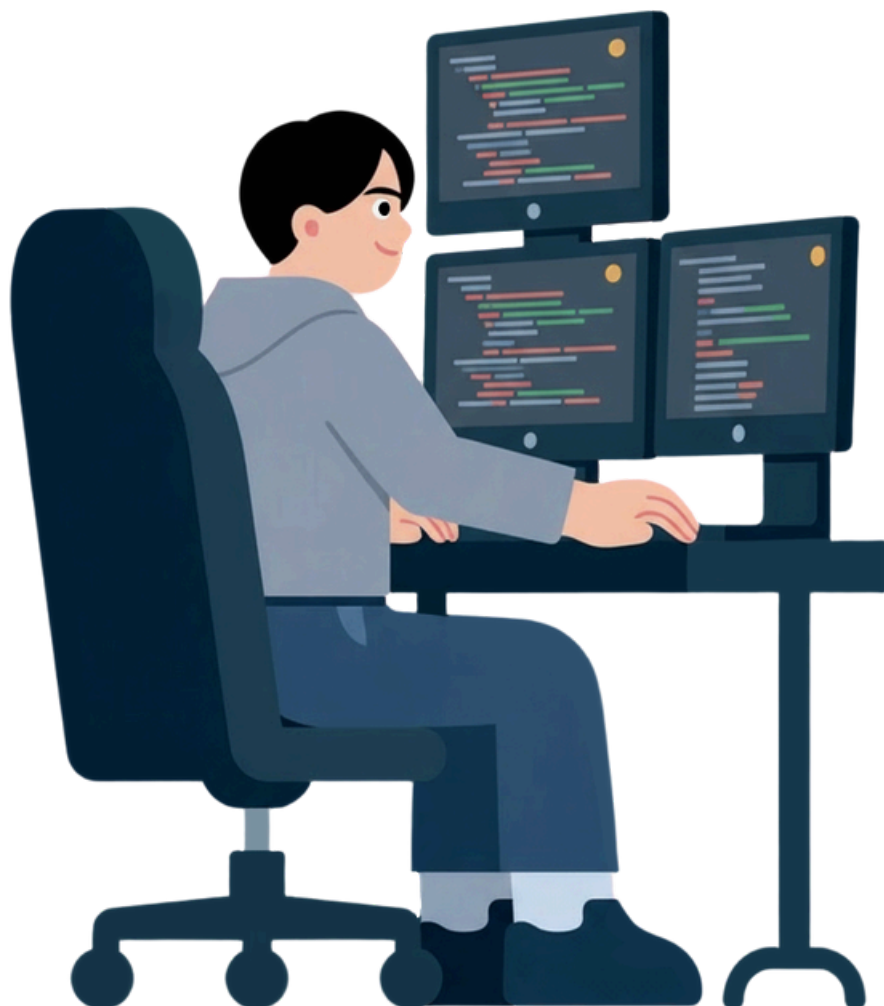
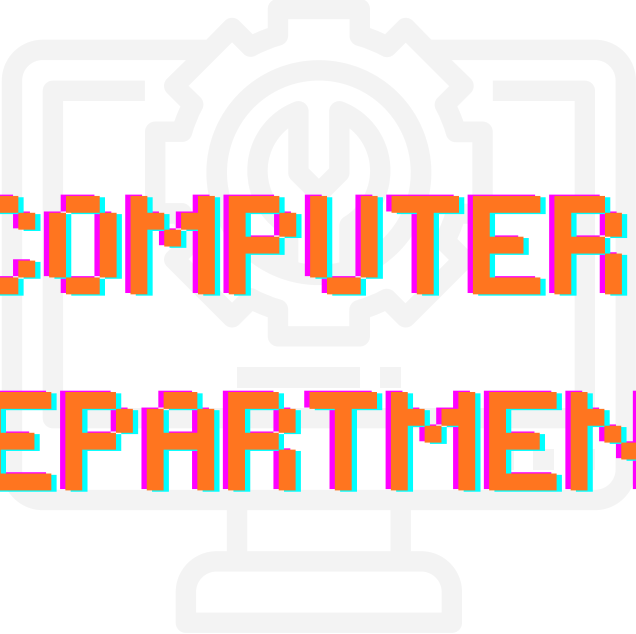
CSE DEPARTMENT



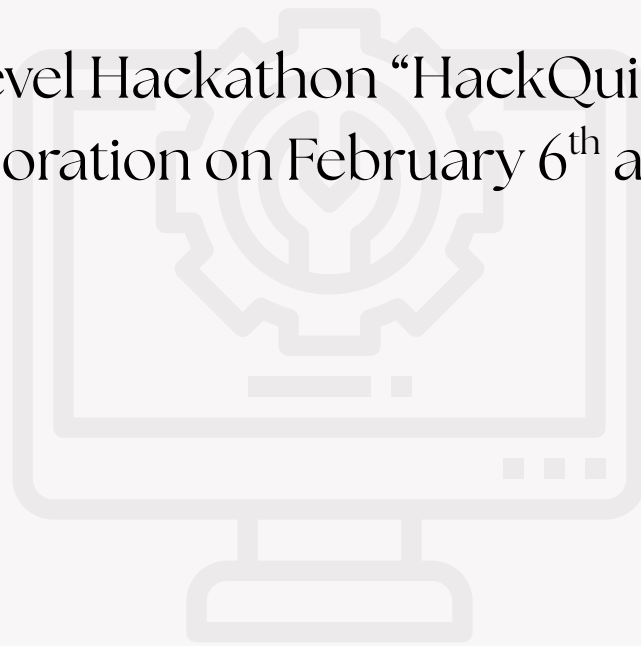
- “ICT Tools - LATEX” on 2025-01-30.
- Industry-allied seminars from 2025-12-2025 to 2026-03-22.
- National-Level Hackathon “HackQuinox 2.0” held in joint-collaboration on February 6th and 7th 2026.



COMPUTER DEPARTMENT



- “Assessment Tools” seminar on 2025-05-02.
- Workshop on “Big Data Analytics” in Early-2025
- National-Level Hackathon “HackQuinox 2.0” held in joint-collaboration on February 6th and 7th 2026.



BASIC SCIENCES AND HUMANITIES



- “Workshop on Language, Communication & Soft Skills” on 2025-04-19.
- “ECO Frenzy Hub” on 2025-02-15.
- “Stress Management” on 2025-09-11.
- “Fire Safety” on 2025-01-19.



Faculty Achievements



Name: Dr. Poonam Bari

Designation: Assistant Professor

Department: Computer Science
and Engineering

Topic: *Crop Yield Prophecy with
Deep Learning Techniques for
Smart Agriculture*

PhD awarded in 2025

Name: Dr. Amit Malgol

Designation: Assistant Professor

Department: Mechanical
Engineering

Topic: *Modelling, Analysis and
Control of Discrete and
Continuous Single Rotor Systems*

PhD awarded in 2025



Faculty Achievements



Name: Dr. Jweshwari Tupe
Designation: Assistant Professor
Department: Mechanical Engineering

Topic: *Investigation of Membrane Modifier For Low Cost Water Filtration System*

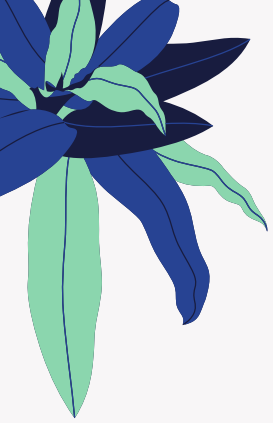
PhD awarded in 2026

Name: Dr. Neelam Joshi
Designation: Assistant Professor
Department: Computer Engineering

Topic: *An Efficient Supervised Transfer Learning Model For Classification And Prediction Of Brain Tumor*

PhD awarded in 2026





Student Club Activities



Drama Club

The Drama House: A Year of Expression and Entertainment

The Drama House had an eventful and expressive year, bringing stories to life through impactful performances.

- Mannrekha: Tracing the Lines of the Mind: On 16th October 2025, the club presented a thought-provoking skit that explored the inner struggles of stress, anxiety, and depression to raise awareness about mental health and the journey to inner peace.
- Memeicc: In collaboration with IETE/ETSA during the FACES 2025 festival on 11th September 2025, they hosted a lively event where participants showcased their creativity by imitating popular personalities, creating a highly engaging and humorous atmosphere.
- Maskhara 2.0: Moving into the new year, the club added a touch of humor and entertainment by performing “Maskhara 2.0” on the campus lawn on 12th February 2026. This high-energy comedic skit was filled with eccentric characters, unexpected twists, and absurd situations that made no sense—which was exactly the fun of it—leaving the audience in non-stop laughter.

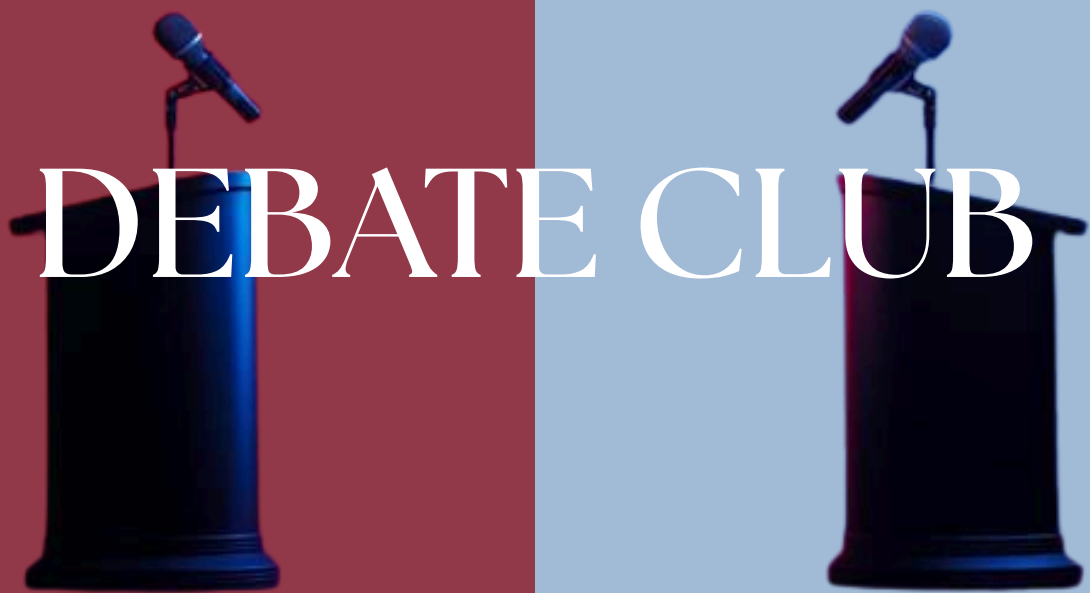
Through these performances, The Drama House successfully blended creativity, social awareness, and entertainment, leaving a lasting impression on everyone.



NSS Unit

The NSS unit had an eventful and impactful year, bringing community service to life through dedicated outreach programs. On 15th August, the unit organized a powerful Independence Day Pledge and distributed handmade greeting cards to local police, paying tribute to national unity and public servants. With a strong focus on environmental conservation, they conducted multiple Mangrove Cleanup drives and a Tree Plantation at Nilje Village, a hands-on initiative that successfully spread ecological awareness to the public. Adding a commitment to health and public safety, the volunteers managed massive crowds during Ganesh Visarjan and hosted an insightful AIDS Awareness Seminar to educate the youth. Through these diverse initiatives, the NSS successfully blended social awareness, environmental responsibility, and public service, leaving a lasting impression on everyone.





The Debate Club enjoyed a highly charged and exciting year of activity. The Debate Club conducted the "Hall of Justice", which was a role-playing courtroom scenario that tested the ability of participants to evaluate forensic evidence and other circumstances along with showing their communication skills in order to decide whether the accused was guilty or not. Apart from their line of critical activities, the Debate Club also held the "Corporate Play Book Seminar", which was an interactive game of workplace simulation that enabled development of leadership qualities and teamwork. The "Devil's Advocate Debate Competition" was one in which the participants were required to defend the villains to develop their communication skills along with other important traits. Through such analytical events the Debate Club succeeded in nurturing critical thinking, teaching the navigation of legal landscapes.





मराठी मंडळ

मराठी मंडळाचे हे वर्ष अत्यंत उत्साही आणि सांस्कृतिकदृष्ट्या समृद्ध करणारे होते, ज्यामध्ये प्रभावशाली कार्यक्रमांद्वारे पारंपारिक कलांना जिवंत करण्यात आले. ४ सप्टेंबर रोजी, या मंडळाने विद्यार्थी परिषद (Students' Council) आणि रिदम क्लब यांच्या सहकार्याने शिक्षक दिनाचा एक हृदयस्पर्शी कार्यक्रम सादर केला, ज्यामध्ये भावपूर्ण गायन आणि सांस्कृतिक नृत्यांद्वारे शिक्षकांना मानवंदना देण्यात आली. स्वदेशी कलेबद्दल सखोल आदर निर्माण करण्याच्या उद्देशाने, त्यांनी वारली चित्रकला स्पर्धेचे आयोजन केले; या उपक्रमाने विद्यार्थ्यांना मंत्रमुग्ध केले आणि भारताचा सांस्कृतिक वारसा जतन करण्यास मदत केली.

एक चैतन्यमय ऊर्जा आणि मनोरंजनाची जोड देत, मंडळाने "ढोल ताशा" आणि लेझीम सादरीकरणाचे आयोजन केले, ज्याने सर्वांमध्ये उत्साह निर्माण केला आणि संपूर्ण कॅम्पसला तालावर थिरकायला लावले. याव्यतिरिक्त, त्यांनी "नादतरंग" या सुमधुर सांस्कृतिक कार्यक्रमाचे आयोजन केले, ज्यामध्ये भारतीय शास्त्रीय आणि उप-शास्त्रीय संगीताचे सुंदर सादरीकरण करण्यात आले.

या कार्यक्रमांद्वारे, मराठी मंडळाने सांस्कृतिक जतन, कलात्मक अभिव्यक्ती आणि मनोरंजन यांचा यशस्वी मेळ साधला आणि प्रत्येकाच्या मनावर एक कायमस्वरूपी छाप सोडली।



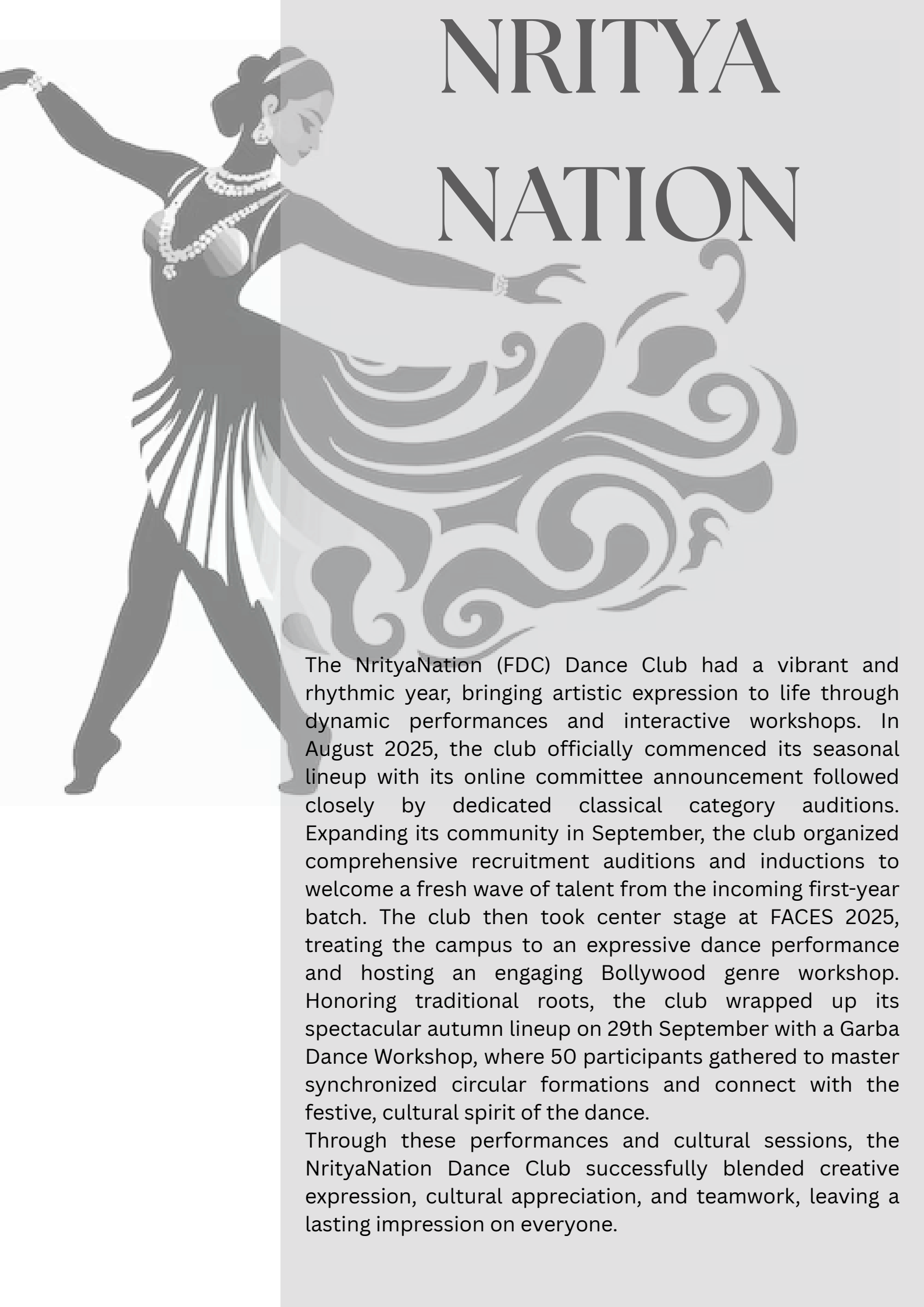
ECO CLUB

The Green Club had a highly active and impactful 2025, bringing environmental conservation and sustainability to life through dedicated community initiatives.

- **E-Waste & Beach Cleanups:** Pushing for responsible disposal, the club ran a year-long E-Waste Collection Drive that successfully gathered 271 kg of electronic waste, and partnered with local agencies for a hands-on Dadar Beach Cleanup to restore coastal ecosystems.
- **Green Spaces & Eco-Crafts:** Student volunteers advanced urban afforestation by planting 40 mango saplings at Kharghar Hills, while the "Threads & Palettes" workshop allowed students to design custom cotton bags as sustainable alternatives to plastic.
- **Recycling & School Outreach:** Fostering community responsibility, the club organized an Incense Making Workshop to recycle floral waste into natural fragrances and conducted a impactful STEM induction at a local school to inspire younger students to practice digital detoxing and reconnect with nature.

Through these diverse environmental initiatives, the Green Club successfully blended ecological responsibility, creative sustainability, and community awareness, leaving a lasting impression on everyone.





NRITYA NATION

The NrityaNation (FDC) Dance Club had a vibrant and rhythmic year, bringing artistic expression to life through dynamic performances and interactive workshops. In August 2025, the club officially commenced its seasonal lineup with its online committee announcement followed closely by dedicated classical category auditions. Expanding its community in September, the club organized comprehensive recruitment auditions and inductions to welcome a fresh wave of talent from the incoming first-year batch. The club then took center stage at FACES 2025, treating the campus to an expressive dance performance and hosting an engaging Bollywood genre workshop. Honoring traditional roots, the club wrapped up its spectacular autumn lineup on 29th September with a Garba Dance Workshop, where 50 participants gathered to master synchronized circular formations and connect with the festive, cultural spirit of the dance.

Through these performances and cultural sessions, the NrityaNation Dance Club successfully blended creative expression, cultural appreciation, and teamwork, leaving a lasting impression on everyone.

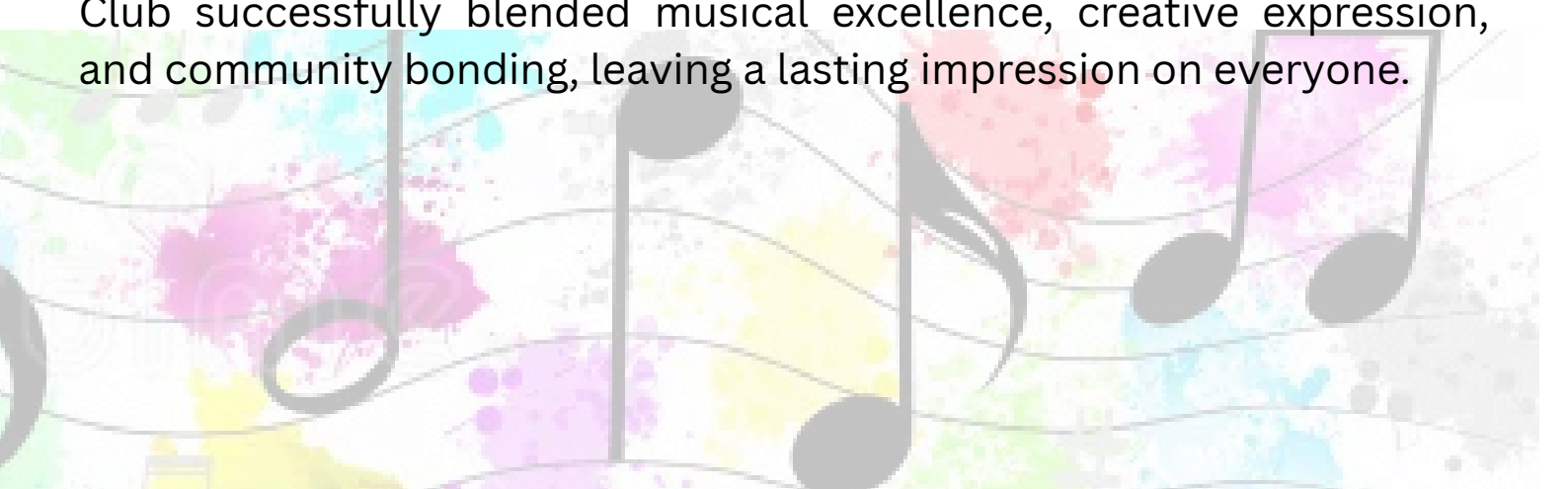
A decorative graphic at the top of the page featuring a musical staff with various notes and a treble clef, curving across the upper portion of the page.

RHYTHM CLUB

The Rhythm Club had a melodic and engaging 2025, bringing the college community together through harmonious performances and collaborative musical spaces.

- Independence Day Performance: On 15th August 2025, the club delivered a moving vocal performance in the college foyer, blending a patriotic four-song medley with live instrumentals like the keyboard, cajon, flute, and acoustic guitar to inspire national pride among the 140 attendees.
- Teachers Day Celebration: Continuing their expressive tributes, club members organized a dedicated musical showcase on 4th September 2025, performing a heartfelt medley to honor and thank the faculty for their hard work and dedication.
- Rhythm Club Icebreaker: On 14th October 2025, the club hosted its annual interactive gathering at AX-415, drawing around 45 students for an evening of musical games, open mics, and a live jamming session featuring guitars, keyboards, and amplifiers.

Through these soulful events and collaborative sessions, the Rhythm Club successfully blended musical excellence, creative expression, and community bonding, leaving a lasting impression on everyone.

A decorative graphic at the bottom of the page featuring large, stylized musical notes in various colors (pink, yellow, blue, green) and a treble clef, set against a background of colorful splatters.

E-CELL FCRIT

The E-Cell FCRIT had a highly dynamic and business-minded year, fostering entrepreneurial spirit and financial literacy through impactful workshops and competitions. On 22nd August, the club kicked off its major initiatives with "Where Do Ideas Come From?", an inspiring session and guided incubator tour at CIBA that introduced students to real-world startup ecosystems. Expanding their knowledge-sharing to the broader community, the council conducted an Outreach Event at St. Mary's Multipurpose Junior College on 18th September, delivering an engaging entrepreneurship seminar to 98 junior college students. In October, the club successfully hosted Spark-A-Thon 2025, a major intercollegiate project exhibition that challenged 151 participants to pitch technical innovations across cutting-edge engineering domains. To round out their seasonal training, they hosted a "Stock Market Essentials" seminar on 29th October to build core financial awareness, quickly followed by an Online Skill-Building Workshop on 3rd November focused on resume development and digital marketing tools.

Through these diverse initiatives, E-Cell FCRIT successfully blended technical innovation, financial literacy, and professional readiness, leaving a lasting impression on everyone.

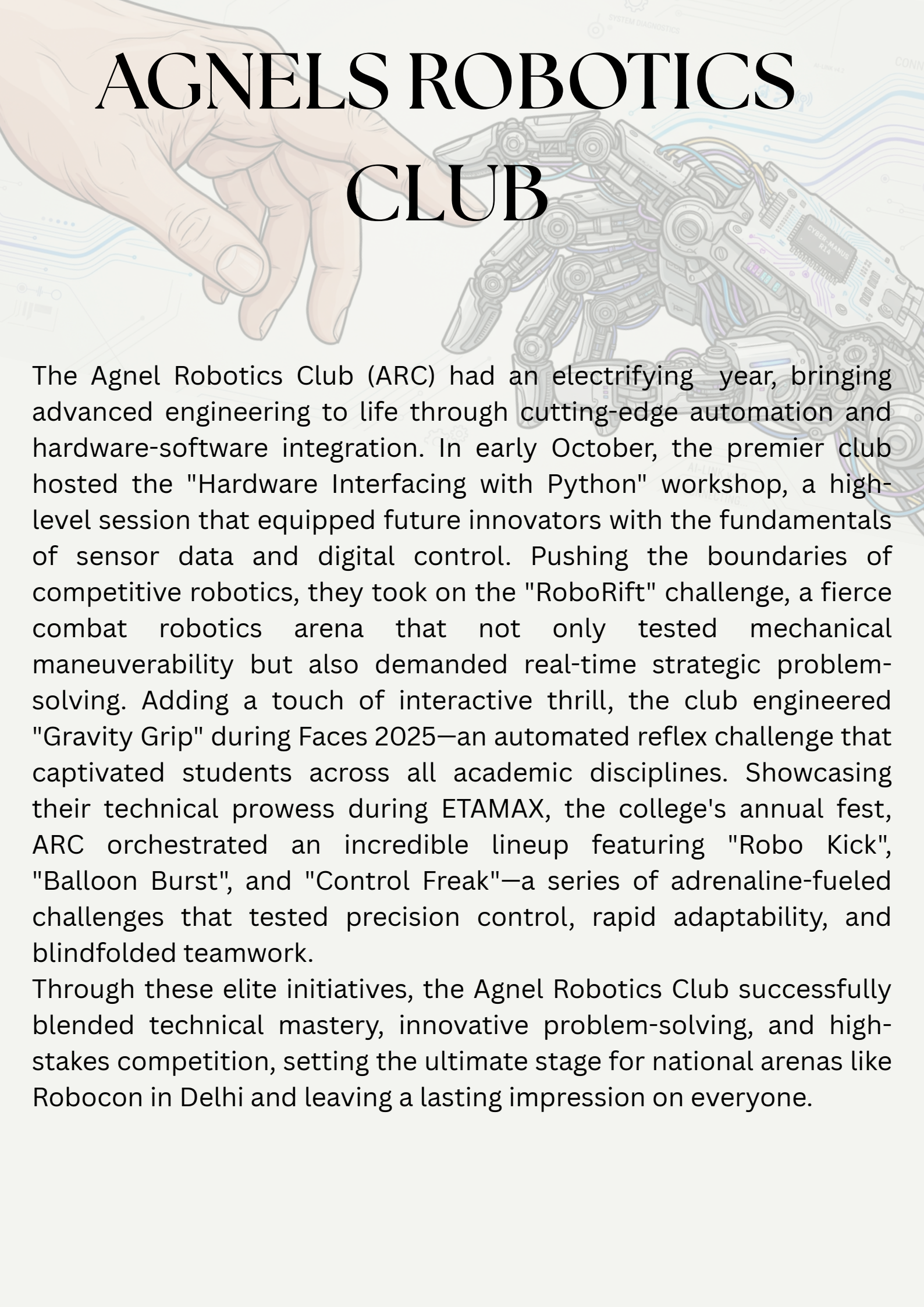


CYBER CELL

The Agnel CyberCell had an active and engaging year, bringing cybersecurity concepts to life through practical workshops and competitions. On 16th August, the club presented “CYBERSEC101:initiate()”, an insightful webinar that familiarized students with the evolving challenges and career opportunities in the cybersecurity field. Following this, they organized “HACKERFORGE” in September, a two-day hands-on workshop and 24-hour Capture the Flag (CTF) competition that captivated participants with practical exercises in cryptography and web security. Adding a touch of excitement and competitive spirit, the club hosted “Pokémon CyberQuest” in October—an intercollegiate, Pokémon-themed CTF competition that engaged students across different disciplines in digital forensics and open-source intelligence challenges.

Through these activities, the Agnel CyberCell successfully blended technical learning, practical skill development, and cybersecurity awareness, leaving a lasting impression on everyone.





AGNELS ROBOTICS CLUB

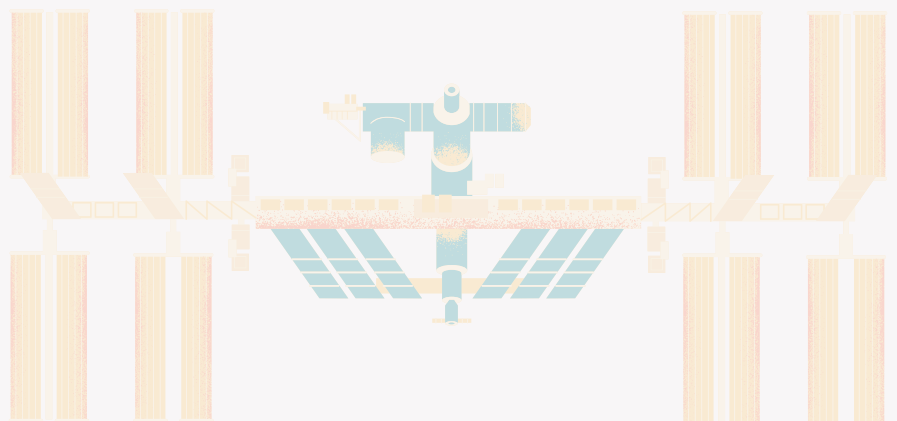
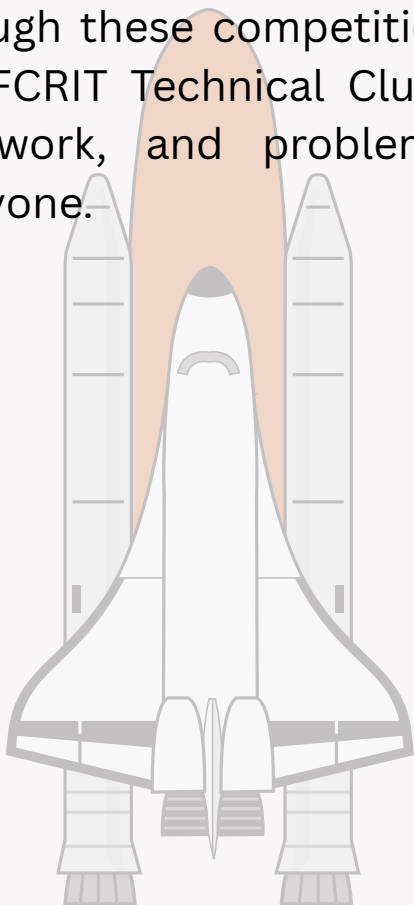
The Agnel Robotics Club (ARC) had an electrifying year, bringing advanced engineering to life through cutting-edge automation and hardware-software integration. In early October, the premier club hosted the "Hardware Interfacing with Python" workshop, a high-level session that equipped future innovators with the fundamentals of sensor data and digital control. Pushing the boundaries of competitive robotics, they took on the "RoboRift" challenge, a fierce combat robotics arena that not only tested mechanical maneuverability but also demanded real-time strategic problem-solving. Adding a touch of interactive thrill, the club engineered "Gravity Grip" during Faces 2025—an automated reflex challenge that captivated students across all academic disciplines. Showcasing their technical prowess during ETAMAX, the college's annual fest, ARC orchestrated an incredible lineup featuring "Robo Kick", "Balloon Burst", and "Control Freak"—a series of adrenaline-fueled challenges that tested precision control, rapid adaptability, and blindfolded teamwork.

Through these elite initiatives, the Agnel Robotics Club successfully blended technical mastery, innovative problem-solving, and high-stakes competition, setting the ultimate stage for national arenas like Robocon in Delhi and leaving a lasting impression on everyone.



AERO CLUB

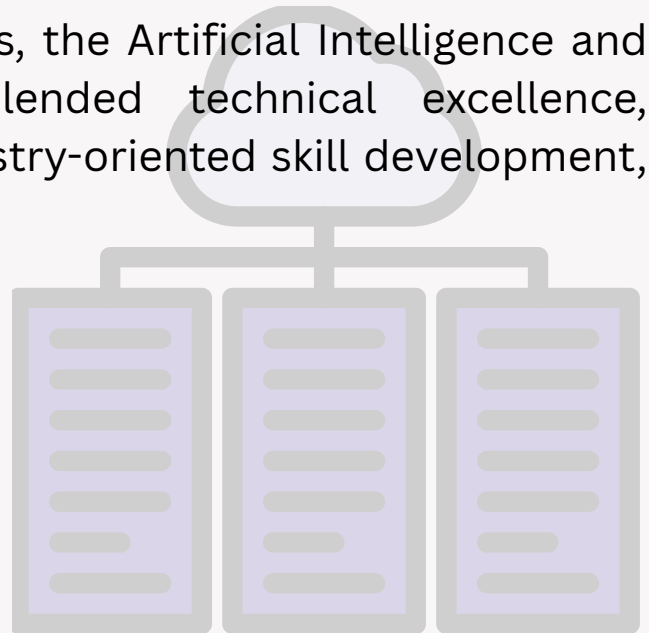
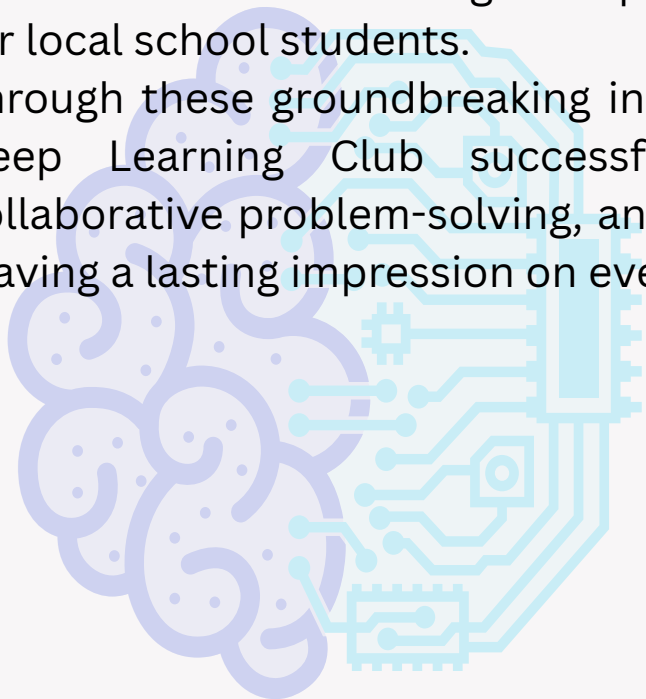
The AeroFCRIT Technical Club had a productive and eventful year, bringing engineering concepts to life through practical aerospace and drone projects. In late January, Team Thestral represented the college at the Aircraft Design and Development Challenge (ADDC), developing a heavy-payload UAV that demonstrated remarkable structural reliability and flight readiness. Focusing on real-world solutions, Team Garuda participated in the Drone Development Challenge (DDC), showcasing a working prototype of a cargo delivery drone designed for emergency medical transport and logistics. Adding a touch of industry exposure, the club exhibited their fixed-wing UAVs at the Military–Civil Fusion Conclave, Electrowiz, and AMITECH PRAKALP – interactive platforms that connected students with defence and manufacturing professionals. Through these competitions, exhibitions, and technical workshops, the AeroFCRIT Technical Club successfully blended practical engineering, teamwork, and problem-solving, leaving a lasting impression on everyone.



AIDL CLUB

The Artificial Intelligence and Deep Learning (AIDL) Club had a trailblazing and visionary year, bridging the gap between theoretical concepts and next-generation tech innovation. Kicking off the academic calendar, the club hosted "DevDive 2025", an immersive 30-hour bootcamp that equipped future developers with elite skills in Web, AI, and App Development. Pushing the boundaries of autonomous systems, they conducted the "Age of Agents" bootcamp, giving students hands-on mastery over Large Language Models and complex workflow automation. Igniting a fiercely competitive spirit, the club orchestrated "HackQuinox 2.0", a high-stakes hackathon challenging the institution's top minds to engineer real-world tech solutions, alongside "WebRush 2.0", a fast-paced, AI-powered coding race. Showcasing their creative prowess during ETAMAX, the college's annual fest, AIDL engineered "Mission Impossible"—a high-pressure, AI-driven escape room that tested strategic teamwork and logical reasoning. They also expanded their intellectual influence by hosting "The Next Chapter" seminar on Multimodal AI and leading an impactful AI Awareness Outreach program for local school students.

Through these groundbreaking initiatives, the Artificial Intelligence and Deep Learning Club successfully blended technical excellence, collaborative problem-solving, and industry-oriented skill development, leaving a lasting impression on everyone.



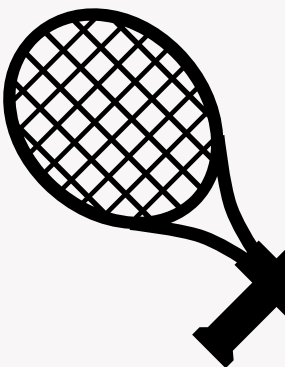
BAJA CLUB

Team Kaiser Racing of the Mechanical Engineering Department had a highly successful and competitive 2025, bringing advanced automotive engineering to life through their custom-built all-terrain vehicles (ATVs). In January 2025, the team participated in Phase 3 of the mBAJA SAEINDIA 2024-25 competition held at NATRAX in Pithampur, Indore. Competing in a series of rigorous dynamic and endurance challenges, Kaiser Racing demonstrated exceptional mechanical durability and technical prowess. The team achieved a spectacular milestone by securing 1st place in the high-stakes Sled Pull event, alongside a strong 7th-place finish in the Acceleration Test. Furthermore, their technical design excelled across demanding terrains, earning them 9th in Suspension & Traction and 12th in Maneuverability.

Through these outstanding dynamic performances, Team Kaiser Racing successfully claimed a phenomenal overall rank of 7th in the national BAJA SAEINDIA arena, beautifully blending innovative prototyping, engineering consistency, and fierce competitive spirit to leave a lasting impression on everyone.



FACES - 2025





6th Biennial International Conference on Nascent Technologies in Engineering

Keynote Speaker



Dr. Raghunath K. Shevgaonkar
Professor Emeritus, Electrical Engineering
IIT Bombay



NAKSHATRA





TECHMANIA HACKATHON



**1st POSITION:
TROUBLESHOOTERS**



**1st Runner Up:
MECHATROOPS**



**2nd Runner Up:
ELECTROBYTES**



**Best Innovation Spot Prize:
AGNIWIRE**

STUDENT COUNCIL



2025-26

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