Bharatiya Vidya Bhavan's

Sardar Patel College Of Engineering



DISHA'26

MUMBAI

A CITY OF POLAR OPPOSITES

45th Edition

PREFACE

Mumbai: A City of Polar Opposites

“Opposites are not contradictory, but complementary.”

We romanticise this city in every possible way. This year, however, let us immerse ourselves not only in its glamour, but in its bruises and blooms, and in the quiet understanding that they coexist.

As India’s largest city, Mumbai stands as the nation’s financial capital, carrying a history worthy of scripture while absorbing the dreams of thousands of new faces each day.

In Mumbai, ambition wears both a tailored suit and a faded cotton shirt. It sells possibility, but demands resilience in return. Here, privilege and poverty share a skyline; exhaustion and aspiration travel in the same local train; and every sunset carries both hope and history.

From the dense lanes of Dharavi to luxury sea-facing residences, this city is not divided, it is layered. The contrasts do not clash; they breathe together. While the glamour of Bollywood captures attention, it does not eclipse the quiet talent flourishing in every corner. Colonial remnants of “Bombay” stand tall beside contemporary skyscrapers in BKC, narrating a dialogue between heritage and modernity.

This city neither sleeps nor pauses. Not even the monsoon floods can halt its momentum. The iconic Mumbai Dabbawalas preserve its authenticity, while five star establishments sustain its exclusivity. The beaches swell with millions during visarjan, yet within that chaos, solitude can still be found. Mumbai teaches independence...but it also tests endurance.

No matter the crowd gathered at Marine Drive, it never loses its essence, perhaps the simplest synonym for love, or even peace.

This edition of DISHA celebrates our city, its people, and the duality that defines it. To every dreamer carrying hope in a suitcase - big or small, Mumbai becomes more than a destination; it becomes a home shaped by opportunities and obstacles alike.

Mumbai draws its strength from resilience, its creativity from diversity, and its leadership from ordinary individuals who dare to dream despite the odds. As barriers blur and possibilities expand, may this city continue evolving into a future where progress is shared, and every voice holds the power to shape what comes next.

BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL COLLEGE OF ENGINEERING

DISHA '26

Presents

MUMBAI

"A City of Polar Opposites"



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FOREWORD

“More Dreams are Realised and Extinguished in Bombay than any other place in India.”
-Gregory David Roberts

It is with great pride and joy, we present to you the latest edition of the SPCE Annual College Magazine – DISHA 2026. For over four decades, DISHA has served as an outlet of creativity, innovation, and self-expression, capturing the evolving spirit of SPCE’s students, faculty, and vibrant campus life.

For the 45th edition, we have decided to pay homage to the ever present character in every SPCE student’s life, that is **“Mumbai - A City of Polar Opposites”**. Mumbai is one of the great metropolises of Human History. It rose from humble Fishing Villages to a Sprawling Jungle made from the Ingenuity, Grit and Determination of its residents. It is a city unlike any other in India and maybe even the world. A melting pot of influences from its Colonial Past to its Modern Present. A true converging point of culture and traditions from across the world.

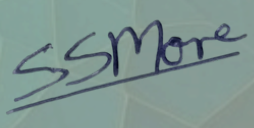
Akin to the protagonist of a movie with an Underdog rising to the top, Mumbai itself has its own complex issues. Ambition can be found within every square inch of the city, however so can the traces of its complex problems. From Highrise apartments worth hundreds of crores being adjacent to sprawling slums, to smog filled skies despite having a forest within its center. But within these contradictions, lies a profound kindness. Despite everyone being in a rush, when prompted any stranger is willing to guide you to the nearest train station without hesitation. Mumbai is a city where the Hindus celebrate Eid, the Muslims celebrate Ganesh Chaturthi and everybody goes to Mount Mary on Christmas Eve. No matter who you are, Mumbai has a place for you.
Our objective was to show this befuddling contrast by showing both sides of the coin.

We extend our heartfelt gratitude to our Respected Principal, Dr. M. M. Murudi, and Dr. Shyamlee Solanki, Chairperson of the Student’s Welfare Committee, for their unwavering support. A special thanks to our faculty members, students, and council members for their cooperation, contributions, and encouragement. Finally thank you to Aryan, Aarohi, Ankita, Antariksh, Jinesha, Kartik, Kushal, Mahi, Malhar, Mayank, Sagarika, Sarthak, Shravani, Vrinda and Yash. Their dedication, passion and attention to detail were instrumental in the making of this magazine.

As we conclude, we’d like to say that it’s been an honor to be able to carry forward the legacy of Disha and we are fully confident that our successors will carry it forward and improve upon our work. In the meantime, we hope you enjoy this edition of DISHA!



Deepak Shanbhag
Magazine Secretary 2025/26



Shreya More
Magazine Secretary 2025/26



Shri Sardar Vallabhbhai Patel



Kulpati Shri Dr. K.M.Munshi

Vision

Sardar Patel College of Engineering (SPCE) aspires to be an institution of national repute that will create professionals with competence and motivate research for the progress of the nation.

Mission

- To impart quality education through time relevant curriculum in academic programs.
- To enhance career opportunities for students through industry institute interaction and value added courses.
- To promote excellence by encouraging innovative ideas and lateral thinking.
- To inculcate sense of discipline and responsibility towards society.

Core Values

- Quality Education
- Diversity
- Integrity
- Accountability
- Responsibility
- Equity
- Excellence

FROM THE PRINCIPAL'S DESK



DR.M.M.Murudi

Sardar Patel College of Engineering (SPCE), established in 1962 under Bhartiya Vidya Bhavan's, continues to progress steadily as an autonomous institution. All undergraduate programmes (Civil, Mechanical and Electrical Engineering) are accredited by NBA till December 2028. The institute also holds NAAC accreditation and has received an extension of autonomy up to 2026–27. The PG structural engineering programme has NBA accreditation till June 2025 and preparations are underway for further accreditation of postgraduate programmes, along with expansion of intake and introduction of programmes for working professionals, subject to approval.

The institute has effectively implemented Outcome-Based Education and aligned its curriculum with NEP 2020 through R23. The revised evaluation system ensures balanced assessment with equal focus on continuous internal evaluation and semester-end examination. Faculty members are adopting innovative teaching and evaluation practices to enhance student learning outcomes.

Research performance has shown significant improvement. A total of 39 research publications were reported in 2025, with a strong presence in Q1 and Q2 journals. Sponsored research projects worth approximately ₹3.65 crores are ongoing, with additional projects recently approved. The institute is also making notable progress in patents, copyrights, and design registrations.
Centers of Excellence are being developed to strengthen industry–academia collaboration. The Blue Star HVAC Centre is operational, while facilities supported by DST-FIST and collaborations with UltraTech and Fuji Electric are in progress. Initiatives such as the 3D Printing Centre aim to promote innovation and interdisciplinary research.

The institute has demonstrated strong performance in consultancy, generating ₹2.53 crores through testing and consultancy services. Nine PhD scholars successfully defended their theses during the year.
Students have achieved remarkable success at National and state levels, including top ranks in AAVISHKAR, Smart India Hackathon, Formula Bharat, and SAEINDIA competitions. Participation in co-curricular and technical activities remains vibrant.

A new eight-storey hostel project has been approved and will commence shortly, addressing accommodation constraints. The alumni association continues to contribute actively through infrastructure development initiatives.

Overall, SPCE remains committed to academic excellence, research advancement, and holistic student development.

DISHA'26

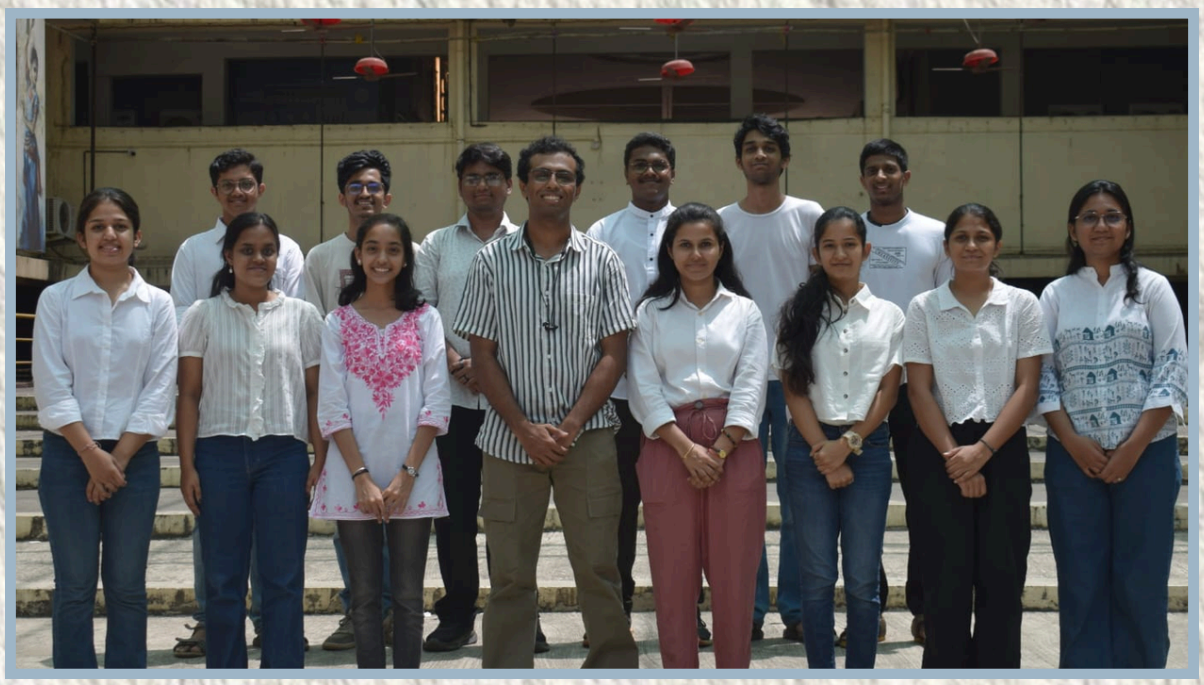
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Engineering Department



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Engineering Department



Dr. Shyamlee Solanki

Head of First Year
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FACULTY PHOTOGRAPHS



FIRST YEAR

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Dr Jayram V. Gholave
Prof. Vinodkumar I. Sharma
Prof. Divya T.A
Prof. Satishkumar .G Barot



CIVIL

Dr. M.M.Murudi
Dr. Prashant P. Nagrale
Dr. A.A.Bage
Dr. A.R.Kambekar
Dr. Shweta Patil
Dr. Tanuja Bandvadekar
Dr. Hansa Jeswani
Dr. Reshma Raskar Phule
Dr. A.N.Ghadge
Dr. K.A.Nadgouda
Dr. P.G.Gaikwad
Prof. S.Kumbhar
Prof. Ankit M. Asher
Prof. Prasad .G.Gharat
Prof. Prachi Dixit
Prof. Dipika Dalavi

FACULTY PHOTOGRAPHS



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Dr. Anupa Sabnis
Dr. Swati Lavand
Dr.Sumbul Abidi
Dr. Prajkta Joshi
Dr. Nandkishor W. Kinhekar
Dr. Sangeeta Daingade
Dr. B.B.Pimple
Prof. Vishal Dake
Prof. N.G.Bhitre
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Prof.Rahul Chavan
Prof. Matilda Mary



MECHANICAL

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Dr. Rajesh Buktar
Dr. Kiran Bhole
Dr. Balwant Bhasme
Dr. Parag Muley
Dr. Megha Janbandhu
Dr. Sachin Vankar
Prof. D.N.Jadhav
Prof. Trupti Navathale
Prof. Sharad Valvi
Prof. Haseen Shaikh
Prof. Kunal Bhavsar
Prof. Deepak Singh.

CIVIL DEPARTMENT REPORT

Introduction:

The Department of Civil Engineering has been a cornerstone of the institute since its inception. It is well equipped with state-of-the-art infrastructure and is duly approved by AICTE. In addition to the undergraduate programme, the department offers postgraduate programmes in Construction Management and Structural Engineering to meet advanced academic and industry needs. The department is also recognized by the University of Mumbai as a Ph.D. research centre, with an approved intake capacity of 45 scholars. Furthermore, the department hosts a Quality Improvement Programme (QIP) Centre approved by AICTE, under which research scholars receive financial assistance for three years, with an intake of two scholars.
The academic year 2025–26 will see the continuation of the postgraduate programme in Civil Engineering, with specializations in Structural Engineering and Construction Management. To align with industry trends and stakeholder expectations, plans are underway to enhance the intake to 30 students from 2026–27 and to introduce a new M.Tech programme in Structural Engineering for Working Professionals, with an intake of 18 students, which has been approved for the next academic year. These initiatives aim to strengthen the department's academic offerings and industry relevance.

Present Status of Intake in Civil Engineering Department:

Year of Establishment	1962	
No. of Programmes Offered	6	
Name of Programmes and Intake	B. Tech. Civil Engineering	60
	B. Tech Working Professional	30
	M. Tech. Construction Management	24 (approval 30 granted)
	M. Tech. Structural Engineering	24 (approval of 30 granted)
	M.Tech Structural Engineering (WP)	Approval granted to start with intake of 18
	Ph. D. (Civil)	45
	Ph. D. (Civil) under QIP	2

NBA Accreditation:

Undergraduate Civil Engineering Programme	Accredited till 31.12.2028 (fourth cycle of NBA accreditation)
Post graduate Civil Engineering Programme with Structural Engineering	Accredited till 30.06.2026. Application initiated (second cycle of NBA accreditation)

Department Activities:

NEP 2020 was implemented for third-year undergraduate and postgraduate students under the Regulation 2023 scheme. Details of other activities are as follows:

- The Indian Society of Structural Engineering Student Chapter was launched in June 2025, and the chapter has undertaken three activities.
- Two patents were published, and one copyright was registered by department faculty members.
- The UltraTech Centre of Excellence was initiated under an MoU with UltraTech Cement, and work is currently in progress.
- Civil Engineering alumnus Mr. Sunil Doshi initiated the Model Classroom project under the Alumni Committee (the Class of 1995 pledged ₹10 lakh for this initiative).
- Industry–Institute Partnership activities, such as the Industry–Institute Meet organized in October 2025, have facilitated direct dialogue with industry leaders. This engagement has resulted in 100% internship placements for students, thereby enhancing their practical skills and employability, in alignment with stakeholder expectations for industry-ready graduates.
- The Parents' and Teachers' Meet was organized twice during the year in hybrid mode to gather input from all stakeholders.
- A total of 13 site visits were arranged, including visits to the Bhandup Treatment Plant (UG), World of Concrete Exhibition (UG and PG), IFAT (UG), five visits to the Mumbai–Ahmedabad High-Speed Rail (Bullet Train) Project (UG and PG) (NHSRCL), Versova Wastewater Treatment Plant (CM), Precast Girder Casting Yard (PG–SE), Vikram Sarabhai Space Applications Centre, and CEPT University.
- Lectures and workshops arranged include seven guest lectures and six workshops: a six-day programme on Primavera and BIM; sessions on EPANET and Jaltantra (two programmes); a four-day GIS–GPS–Total Station workshop (UG and PG); and workshops on Autodesk (Cloud) and Life Cycle Cost Analysis (LCCA) (UG and PG).
- Department students (UG and PG) have demonstrated excellent performance in NPTEL certification examinations.
- A Professor of Practice has been appointed this year in Civil Engineering to strengthen industry–academia collaboration.

Faculty Achievements:

- Dr. Murudi is serving on several committees, including MPSC, and is involved in consultancy with CED. He was appointed as the In-Charge Principal for one year, effective April 2025.
- Dr. Gaikwad is actively involved in several institutional committees, including the New Hostel Committee and the Building and Works Committee.

- Dr. Nagrale is serving on several committees of AICTE, DTE, and MPSC. One of his copyrights was registered this year. One of his students has submitted a pre-synopsis, and his project group presented at Aavishkar.
- Dr. Bage's student, Mr. Jaydeep Chougule, was awarded a Ph.D. in 2025–26. Dr. Bage is also a member of several committees of AICTE, DTE, the State Government, and the University.
- Dr. A. R. Kambekar's student, Ms. Supriya More, has submitted a pre-synopsis. He is a member of the Research and Recognition Committee (RRC) of ICT and NMIMS. He serves on the Boards of Studies of several colleges and universities, including University of Mumbai, DBATU, NMIMS, and St. John College. He has examined theses at Shivaji University and Savitribai Phule Pune University. He is also part of the academic audit team at VJTI and other colleges. He has delivered keynote lectures at various AICTE-approved FDPs/ISTE-STTPs and international seminars. He is a member of several AICTE committees and committees of other universities. He has been invited as a judge for Aavishkar (2025–26) and for the Ideas Event at IIT Bombay.
- Dr. Hansa Jeswani mentored two groups that were finalists at the International University La Trobe Challenge. She also mentored the student team that won the Smart India Hackathon (Hardware) at LPU. She has been appointed as an Independent Director at Pangulf International. She served on the MPSC Selection Committee, and her project group presented at Aavishkar. She is also serving as an evaluator for the Bio-Ignition Grant at IIT Bombay, IIT Kanpur, and KIPT Bhubaneswar.
- Dr. Reshma Raskar Phule delivered several lectures and conducted training programmes during FDPs. Her project batch presented their work in Pune and at Aavishkar.
- Two of Dr. Ghadge's students have submitted their pre-synopsis. He is a member of several college committees and also serves on the Board of Studies of PES College of Engineering, Aurangabad.
- Dr. Kshitija Nadgouda coordinated NHSRCL visits and is a member of several college committees.
- Prof. Ankit Asher's batch won the Best Thesis Award this year.
- Two consultancy projects related to MPCB and MBMC were completed. Prof. Snehjit Kumbhar and Dr. Gaikwad undertook major consultancy work for Kalyan Municipal Corporation. Consultancy work for KVIC is being carried out by Dr. Ajay Kambekar and Dr. Hansa Jeswani.

Journal Reviewers:

Dr. Ajay Kambekar (21 journals), Dr. Hansa Jeswani (4 journals), Dr. Reshma Raskar Phule (2 journals), Dr. A. N. Ghadge (2 journals), and Dr. Kshitija Nadgouda (1 journal) serve as reviewers for Scopus-indexed journals.

Special Committee Member:

Dr. Ajay Kambekar is a Board of Studies member at University of Mumbai, SVKM's MPSTME, SBM Polytechnic, and DBATU State Technical University. He is also a member of the Academic Audit Committee at VJTI, a Research Committee Member at DBATU, and a Research Committee Member at ICT and Amity University (Panvel).

Dr. Kambekar, Dr. Jeswani, and Dr. Raskar Phule have organized competitions at SPCE under the aegis of UMA/UBA, the Green Club, and the Sustainability and Green Initiative, respectively.

Papers/Book Chapters Published by Faculty Members in Scopus index journals/Conferences or Books:

The following table shows the papers published by faculty in Scopus-indexed conferences/journals:

S No	Name of faculty	No. of Papers and Book Chapters published
1	Dr. Mohan Murudi	2
2	Dr Abhinandan Bage	1
3	Dr. Ajay Kambekar	5
4	Dr. Pravinchandra Gaikwad	3
5	Dr. Hansa Jeswani	1
6	Dr. Reshma Raskar	1+1 Book Chapter
7	Dr Anil Ghadge	1
8	Dr. Kshitija Nadgouda	2
10	Prof. Shweta Patil	1
11	Prof. Ankit Asher	2
12	Prof Prasad Gharat	1
Total		21

Testing and Consultancy:

Most of the teaching faculty, including Dr. Murudi, Dr. Nagrale, Dr. Bage, Dr. Kambekar, Dr. Gaikwad, Dr. Jeswani, Dr. Raskar Phule, Dr. Ghadge, Dr. Nadgouda, Prof. Snehjit Kumbhar, Prof. Gharat, and Prof. Ankit Asher, are actively involved in testing and consultancy activities.

Major consultancy projects undertaken during the past year were associated with organizations such as MCGM, MBMC, PWD, and BMC. The total revenue generated through testing and consultancy services during the year amounts to approximately ₹2.4 crore.

FDP/NPTEL courses completed:

Dr. Jeswani, Dr. Reshma Raskar Phule, Dr. Nadgouda, Prof. Shweta Patil, Prof. Dipika Dalvi, and Prof. Ankit Asher successfully completed NPTEL FDP courses, with a total of eight courses completed during the year. Dr. Gaikwad and Prof. Snehjit Kumbhar received honors for their performance in NPTEL Civil Engineering courses.

Student/Alumni Achievements:

- Number of students who qualified GATE 2026: 2 students (Third Year), 9 students (B.Tech)
- Number of students who qualified GATE 2025: 13 students
- (Notable achievements: Shraddha Shinde secured Rank 41 in Environmental Engineering and Rank 143 in Civil Engineering; Ayush Jaiswal secured Rank 101 in Civil Engineering)
- Campus placements (2025–26): 22 students (B.Tech) – Average package: ₹8 LPA
  13 students (M.Tech – Construction Management)
  12 students (M.Tech – Structural Engineering) –

Average package: ₹7.5 LPA

- Paid internships (2025–26): 40 B.Tech students
- Students appearing for GRE/TOEFL/IELTS and securing admissions (2025–26): 2 students
- Workshops/Guest Lectures organized through the Civil Engineering Association: 4
- Site Visits organized through the Civil Engineering Association (CEA): 3
- Ph.D. Awarded: 1 student

Result Analysis for 2024-25:

The result analysis for B.Tech Civil Engineering, M.Tech Civil Engineering (Construction Management), and M.Tech Civil Engineering (Structural Engineering) for the academic year 2024–25 is as follows:

Year	2024-25
FY BTech	62.20%
SY BTech	74%
TY BTech	77%
BTech (Final Year)	92%
MTech 1st Year (CM)	92%
MTech 2nd Year(CM)	79%
MTech 1st Year (SE)	92%
MTech 2nd Year (SE)	70%



GUEST LECTURE:ISSE



ISSE STUDENT CHAPTER LAUNCH





PRECAST GIRDER WORKSHOP



VISIT TO IFAT



AUTODESK CLOUD WORKSHOP



E-TABS WORKSHOP



REVIT WORKSHOP



GUEST LECTURE-JSW

MECHANICAL DEPARTMENT REPORT

NBA Status

The Department of Mechanical Engineering has been granted re-accreditation by the NBA in the Tier-I category, valid until 2028.

Member of Governing Board / Academic Council / Board of studies

- Prof. D. N. Jadhav, Prof. R. S. Maurya, Prof. Sharad Valavi, and Prof. Dr. Kiran Bhole have served as members of the Academic Board of SPCE.
- Prof. D. N. Jadhav is serving as a member of the Governing Board of SPCE, Mumbai.
- Dr. Rajesh Buktar has been assigned the portfolio of Dean – Alumni and Corporate Relations, effective 27-02-2026.

Placement and Higher Studies:

In the academic year 2024-2025, 97.74% of interested students secured placements, while 30.65% students pursued higher studies.

Exam Result AY 2024-2025:

The passing percentage for B.Tech, M.Tech Engineering students is 65.44% in First Year, 45.13% in Second Year, 81.69% in Third Year, and 91.93% in Final Year.

GATE Exam Results:

B.Tech Mechanical Engineering students secured outstanding ranks in the GATE examination:

- Aditya Pandit - AIR 28
- Enrico Rodrigues - AIR 106
- Rishi Kushwaha - AIR 370

Special Research Achievements:

- Prof. Haseen Shaikh and Dr. B. N. Bhasme published a high-quality journal paper that has been recognized as a Scilight paper by the American Institute of Physics.
- Title: Experimental analysis of vertical bifacial photovoltaic systems with flat and curved reflectors under tropical climatic conditions
- Published in the Journal of Renewable and Sustainable Energy (2025).
- Dr. Kiran Bhole and co-researchers have secured research grant projects worth more than ₹4 crores to date.
- Dr. Santosh Rane has been appointed as Associate Editor of the Web of Science and Scopus-indexed Engineering Management Journal, published by the American Society for Engineering Management and Taylor & Francis Group.
- Dr. Santosh Rane has also achieved over 3,500 Google Scholar citations, with an h-index of 28 and an i10-index of 56.

Alumni Meet Organized:

Prof. Kunal Bhavsar served as a member of the organizing team for the SPCE Alumni Meet 2025, held on 4th January 2025 at the SPCE Auditorium.

Alumni Interaction Organized:

- An Alumni Speak Programme by Mr. Sunil Kangane was organized by the IIIE SPCE Student Chapter on 6th November 2025. Mr. Kangane conducted the session.
- Another Alumni Speak Programme was organized by the IIIE SPCE Student Chapter on 19th March 2025, where Mr. Ram Savani and Mr. Jagrut Savani conducted the session.

Industry Engagement: Industrial Visit Organized/ Participated:

- An industrial visit to Ambetronics Pvt. Ltd., Mumbai, was organized on 8th March 2025 for ASHRAE SPCE student members.
- An industrial visit to Mumbai Metro, Andheri, was organized by IIIE students on 12th March 2025.

MOU done and MOU based activity conducted:

- An MoU was signed with 3D Shikshan on 6th February 2026.
- The Blue Star Centre of Excellence was established on 18-02-2025. The MoU with Blue Star Ltd. was signed in December 2023.

Student's achievements in competitions organized at University/ State/ National level:

- Team W.A.V.E. Voyagers, led by Ajay Ade with members Kruti Jharbade, Aditya Pandit, Kruti Gujarathi, and Ashlesh Shelke, participated in the In-Space Model Rocketry Competition, India (AY 2024–25), under the guidance of Dr. Ram Subhash Maurya (HOD, Mechanical Engineering, SPCE, Mumbai) and mentorship by Brian David. The project provided hands-on experience in model rocketry, aerospace system design, and mission planning, enhancing students' technical skills, innovation, and teamwork.
- Team W.A.V.E. AAROHAN (SPCE W.A.V.E.) achieved outstanding success at the SAE DDC (Drone Design Challenge) 2025–26:
- AIR 1 – Technical Presentation (Regular Class Category)
- AIR 1 – Design Excellence (Regular Class Category)
- The SPCE Racing Team secured Overall Rank 5 and Overall Rank 4 in the Formula Bharat competitions of 2025 and 2026, respectively.
- Mr. Akhil Pillai (Third-Year Mechanical Engineering student) received the ASHRAE USD 1000 Undergraduate Legacy Scholarship Award.
- The SAE Mumbai Conclave was organized at SPCE by the SAE Collegiate Club on 27th and 28th September 2025.
- Ms. Shreya Bhatt from the Department of Mechanical Engineering, SPCE, has been nominated for the Bank of Baroda Achievers Award 2025.
- Ms. Kruti Jharbade has been selected for the Narotam Sekhsaria Foundation Undergraduate Engineering Scholarship 2025–26 (₹50,000).

- Mr. Bhiva Jethe and Ms. Kruti Jharbade from the Department of Mechanical Engineering, Sardar Patel College of Engineering (SPCE), Mumbai, received the Best Paper Presentation Award at the FMFP International Conference for their presented paper.
- Mr. Shreyas Waindeshkar received the SAEINDIA Section Award, while Mr. Pratik Burkul was honored with the Ramesh Suri Award for Best Innovation and Mobility Startup of the Year. These prestigious recognitions were conferred at the SAEINDIA Foundation Awards 2024–25 for their exceptional contributions to technology and the future of mobility.
- Under the guidance of Dr. Buktar, Ph.D. scholar Dr. Shantilal Patel received the Best Paper Award at an international conference organized by Thakur College of Engineering & Technology, Kandivli (E), Mumbai.

Mumbai University Avishkar Competition:

Mr. Chirag Kale, Ph.D. scholar under the guidance of Dr. Santosh Rane, secured First Rank and a Gold Medal at the University-level Aavishkar Competition for the academic year 2025–2026.

PhD Completed:

Mr. Bhoite Tushar Devidas, Mr. More Yogeshrao, Mr. Ranjit Patil and Ms. Gayatri Abyankar completed Ph.D. Programme in Mechanical Engineering.

NPTEL/ Swayam course completed:

- Prof. Trupti Navathale successfully completed NPTEL courses on Sustainable Energy Technology and Solar Energy Engineering and Technology.
- Prof. Sachin Vankar successfully completed the course Mathematical Foundations for Machine Learning conducted by IISc Bangalore, with a consolidated score of 56%.

Training Programs/ Workshops Conducted:

- Dr. Kiran Bhole and Dr. B. N. Bhasme conducted an AICTE ATAL-sponsored advanced course on 3D Printing and Design in December 2025.
- Prof. Kunal Bhavsar organized the following events under the ASHRAE Sardar Patel Student Branch:
- A full-day workshop on “Discover HVAC Insights and Heat Load Calculation” by Mr. Vikram Murthy on 26th October 2024 at Seminar Room 114, SPCE.
- An expert session on “Digital Twin in the Built Environment” by Mr. Rupesh Umtol on 20th March 2025 at the SPJIMR Auditorium.
- A distinguished lecture on “Basics of Indoor Air Quality” by Mr. Nitin Naik on 15th October 2025 at Seminar Hall 114, SPCE.
- Dr. Santosh Rane and Dr. Megha Nagrale organized an expert seminar on Non-Destructive Testing (NDT) of Materials on 4th March 2026.

- Dr. Santosh Rane and Dr. Sachin Vankar organized a National-Level Professional Development Programme on “Analysis and Simulation of Engineering Systems” in collaboration with SAEINDIA Western Section, IIC SPCE, and the IIIE SPCE Student Chapter.
- Dr. Santosh Rane, Dr. Balwant Bhasme, and Prof. Kunal Bhavsar organized the Blue Star RAC Training Programme on 16th and 17th January 2026 for SPCE students at the Blue Star Centre of Excellence.
- Dr. Santosh Rane and Dr. Megha Nagrale organized a National-Level Webinar under IIC SPCE in collaboration with the IIIE SPCE Student Chapter on 28th February 2026.
- Dr. Santosh Rane and Dr. R. S. Maurya organized a National-Level Workshop on “Finite Element Analysis of Engineering Systems” from 26th to 30th April 2026 under IIC SPCE in collaboration with SAEINDIA Western Section.
- Dr. R. S. Maurya and Prof. Kunal Bhavsar organized a Workshop on Simulation and Modelling using ANSYS from 29th to 31st March 2026 at SPCE.

Training Programs/ Workshops Attended

- Prof. Sachin Vankar successfully completed the AICTE QIP-PG Certificate Programme at Indore on “Emerging Technologies in Advanced Composite Materials: Modelling, Manufacturing, and Testing”, securing a 9.5 CPI.
- Prof. Trupti Navathale attended the following Faculty Development Programs (FDPs):
- “Sustainable Energy and Climate Change” at Stanley College of Engineering & Technology (01–06 September 2025)
- “Smart Energy Systems for Climate-Resilient and Sustainable Development” at Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (22–27 September 2025)
- “Design, Development, and Optimization of Electric Vehicles for a Green Future” at Shri Mata Vaishno Devi University (06–11 October 2025)
- “Shaping the Future of Manufacturing with 3D Printing Techniques” at Sardar Patel College of Engineering (01–06 December 2025)
- “Clean Energy Technologies and Innovations in India: A Vision for Viksit Bharat @2047” at IIITDM Kurnool (22–27 December 2025)
- Prof. Haseen Shaikh successfully completed the FDP on “Shaping the Future of Manufacturing with 3D Printing Techniques” at Sardar Patel College of Engineering during 01–06 December 2025.
- Prof. Sharad Valavi successfully completed the AICTE ATAL FDP on “Shaping the Future of Manufacturing using 3D Printing Techniques” held from 1st to 6th December 2025.
- Dr. Rajesh Buktar successfully completed multiple AICTE ATAL Faculty Development Programs:
- “GenAI and Agentic AI: The Future of Intelligent Systems” (15–20 June 2025, VCET)
- “Next-Gen Computing in India: Paving the Way for a Digital Future” (16–21 December 2024, TCET)

Research Publication (Web of Science / Scopus indexed):

- Prof. Ramsubhash Maurya published a conference paper titled “Redefining Hypersonic Nose Cones: A Machine Learning Approach to Wave Drag Minimization” at the 2025 IEEE 6th India Council International Subsections Conference (INDISCON).
- Prof. Ramsubhash Maurya also published a conference paper titled “Advanced Thermal Characterization of Rubitherm RT 35 Melting Dynamics in a Horizontally Configured Energy Storage System with an Eccentric Linear Heat Source”, organized by the School of Energy Science and Engineering, IIT Guwahati.
- At ICSI 2025 – International Conference on Sustainable Industry 4.0 (April 11–12, 2025, Dr. D. Y. Patil Institute of Technology, Pune), the paper “Experimental Investigation of Torsional Fatigue Behavior in Pure Epoxy Resin” was presented by Prof. Megha Nagrale and Prof. Sachin Vankar.
- The paper “Enhancing Vehicle Performance through Human–Machine Interaction for Lap Time Reduction” was presented at the 10th International and 31st All India Manufacturing Technology, Design & Research (AIMTDR 2025) Conference (11–13 December 2025) by Atharva Joshi, Arya Warthi, Rashmi Pawar (Final Year B.Tech Mechanical students), along with Prof. Sachin Vankar.
- At the International Conference on Composite Materials and Technologies (INCOMAT 2026), Ahmedabad University (13–15 March 2026), a paper was presented by Dev Chaphekar, Himanshu Bhangle, and Anchit Raut (Final Year B.Tech students), along with Prof. Megha Nagrale and Prof. Sachin Vankar.
- The paper “Development of Bio-Based Hybrid Composites: An Analysis of Jute–Hemp Reinforced Laminates for Sustainable Engineering Applications” was presented at the 8th International Conference on Recent Advances in Composite Materials by Atharva Joshi, along with Prof. Megha Nagrale and Prof. Sachin Vankar.
- Buktar, R. B. (2025) published “Investigating Smart Manufacturing Process Implementation in the Indian Manufacturing Industry Using Tecnomatix and Response Surface Methodology” in the International Journal on Interactive Design and Manufacturing.
- Buktar, R. B. (2025) also published “Productivity Enhancement in the Indian Auto Component Manufacturing Supply Chain Using IoT and Neural Networks” in the journal Production.
- Kale, B. S., Bhole, K. S., Bhole, D., & Kolhe, S. (2025) published “A Practical Approach Towards Utilization of Net-Shaped Microstructures Developed in the Lifting Plate Hele–Shaw Cell for Micro-Mixing” in the International Journal on Interactive Design and Manufacturing.
- Bhoite, T. D., Buktar, R. B., Mahalle, P. N., Khond, M. P., Pise, G. S., & More, Y. (2025) published “Productivity Enhancement in the Indian Auto Component Manufacturing Supply Chain through IoT, Digital Twins with Generative AI, and Stacked Encoder-Enhanced Neural Networks” in Operations Research Forum.

- Nikam, M., Mane, S., Jadhav, S., Jadhav, S., Mastud, S., Bhole, K., Roy, T., & Bhople, N. (2025) reported “Influence of Micro-Textures on Wettability and Antibacterial Behavior of Titanium Surfaces Against S. aureus and E. coli: In Vitro Studies” in the International Journal on Interactive Design and Manufacturing.
- Rane, S. B., Mahant, M., & Potdar, P. R. (2025) published “Development of a Framework for Reduction in Product Warranty Claims Using a Six Sigma Approach: A Case Study on Mixer Grinders” in OPSEARCH.
- Dahake, V., Pawar, U., Bhole, K. S., Bhole, D., & Rathod, M. (2025) published “Implementation of an In-Situ Vision System on a Transfer Line to Improve Packaging Quality and Minimize Waste: An Automotive Supplier Case Study” in the Journal of The Institution of Engineers (India): Series C.
- Rane, S. B., Abhyankar, G. J., & Kirkire, M. S. (2025) published “Barriers to Adoption of Reusable Packaging from a Supply Chain Perspective: Multi-Criteria Decision-Making Analysis and Industry 4.0 Strategies” in OPSEARCH.
- Surve, M. L., Deshmukh, P. D., Sutar, K. B., Kale, B. S., Silaskar, S. M., & Bhole, K. S. (2025) published “Development of Two New Airfoils for Micro-Capacity Wind Turbine Applications” in the Journal of The Institution of Engineers (India): Series C.
- Joshi, A. D., Kale, T. D., Jilka, D. P., Thakkar, A. V., & Muley, P. K. (2025) contributed a book chapter titled “Condition Monitoring – An Emerging Predictive Maintenance Technique in Continuous Process Plants” in Mechanisms and Machine Science.
- Mhapsekar, H., & Maurya, R. (2025) presented “Redefining Hypersonic Nose Cones: A Machine Learning Approach to Wave Drag Minimization” at INDISCON 2025 – IEEE 6th India Council International Subsections Conference.
- Parab, M. J., Gutte, S., Gunjal, H., Todankar, H., & Muley, P. K. (2026) published “Design, Analysis, and Development of an Efficient Thermal Management System for Electric Vehicles” in Mechanisms and Machine Science.
- Rane, S. B., Abhyankar, G. J., Kirkire, M. S., & Agrawal, R. (2025) published “Modeling Barriers to Adoption of Digitization in Supply Chains Using FTOPSIS and Its Impact on Sustainability (TBL)” in Benchmarking.
- Swami, S., Phulmali, S., Narayanan, M., Kale, B. S., & Bhole, K. S. (2025) published “Controlling Viscous Pattern Formation in a Lifting Plate Hele-Shaw Cell through Surface Roughness Modulation” in the Journal of The Institution of Engineers (India): Series C.
- Patil, A. S., Singh, D., Bhole, K., & Jharbade, K. (2025) published “Optimization of Pore Geometry and Size of Scaffold-Type Structures for Cell Culture” in the Journal of Biomaterials Science, Polymer Edition.
- Kale, B. S., Bhole, K. S., Garmode, R., Valavi, S., & Jagtap, J. (2025) published “Micro and Meso Fabrication Emerging from Saffman–Taylor Instability Developed in a Hele-Shaw Cell” in the International Journal on Interactive Design and Manufacturing.
- Shanu, A., Valavi, S., & Dixit, P. (2025) published “Numerical and Experimental Investigation of Glass Micromachining Using Ultrasonic-Assisted Electrochemical Discharge Machining” in Manufacturing Letters.
- Rane, S. B., Bidikar, S. G., & Potdar, P. R. (2025) published “Reliability Improvement of Moulded Case Circuit Breakers Using Design for Six Sigma” in the International Journal of Quality and Reliability Management.

- Valvi, S. R., & Bhole, K. S. (2025) published “Geometric Anisotropy-Driven Control of Viscous Fingering for Deterministic Square-Mesh Formation in a Lifting Multi-Port Hele-Shaw Cell” in Microfluidics and Nanofluidics.
- Upadhyay, S. S., Dar, M. A., Gadhari, N. S., Gholave, J. V., Bhole, K. S., Manoj, D., & Kalambate, P. K. (2025) published “Enantioselective Electrochemical Detection of Tyrosine Isomers Using Chiral Crown Ether-Modified MWCNT Electrodes” in the Journal of the Electrochemical Society.
- Pawar, U., Bhole, K., Rathod, M., Oza, A. D., Bhole, D., & Makwana, M. (2025) published “Design Optimization of a Circular Vessel Using Computational Fluid Dynamics for Effective Heat Storage” in the International Journal on Interactive Design and Manufacturing.
- Pasi, B. N., Rane, S. B., & Dhamak, P. (2025) published “Strategies for Barriers Linked to the Implementation of Blockchain Technology in Healthcare Business Models” in the International Journal of Innovation Science.
- Pasi, B. N., Dhamak, P., Rane, S. B., & Narkhede, G. (2025) published “Strategies for Drone Adoption in the Construction Sector: A TOPSIS and 5W2H Approach” in the International Journal of Innovation Science.
- Saraswat, P., Agrawal, R., & Rane, S. B. (2025) published “Technological Integration of Lean Manufacturing with Industry 4.0 Towards Lean Automation” in Benchmarking.
- Shaikh, H., & Bhasme, B. (2025) published “Experimental Analysis of Vertical Bifacial Photovoltaics with Flat and Curved Reflectors under Tropical Climatic Conditions” in the Journal of Renewable and Sustainable Energy.
- Chaudhari, S. S., Bhole, K. S., & Rane, S. B. (2025) published “Industrial Automation and Data Processing Techniques in IoT-Based Digital Twin Design for Thermal Equipment: A Case Study” in the Journal of The Institution of Engineers (India): Series C.
- Dhamak, P., Kumar, A., Daftardar, A., & Rane, S. B. (2025) published “Development of an Innovation Ecosystem Framework for Construction 4.0: A Quadruple Helix Approach” in Asian Education and Development Studies.

Patents (Govt of India):

- A German Patent (Application No. 202025103210, IPC: B29C 70/00) has been granted for the invention titled “A System for the Production of Natural Fiber-Reinforced Hybrid Composite Laminates with a Dual Epoxy Resin Matrix”.
- Authors: Swapnil Keware, Shivam Rane (Final Year B.Tech Mechanical students), Prof. Megha Nagrale, and Prof. Sachin Vankar.
- An Indian Patent (Application No. 202221051250) titled “A Method for Manufacturing Pultruded Carbon Fiber Rod” has been filed by Prof. Megha Nagrale and Prof. Sachin Vankar.
- A German Patent (under process) titled “Enhancing Vehicle Performance through Real-Time Human–Machine Interaction for Lap Time Reduction” has been submitted by Atharva Joshi, Arya Warthi, Rashmi Pawar (Final Year B.Tech Mechanical students), along with Prof. Megha Nagrale and Prof. Sachin Vankar.
- An Indian Patent (Patent No. 582406) titled “An Internet-of-Things (IoT)-Based Wearable Assembly to Monitor and Warn a User” was granted on 05-03-2026 to Dr. Santosh Rane and his research team by the Indian Patent Office.

- This innovation proposes an IoT-enabled wearable system designed for real-time monitoring and early warning, with the objective of strengthening safety practices in industrial and dynamic work environments such as hazardous industrial operations and high-risk construction projects. This patent is a testament to the institute's commitment to moving beyond theoretical knowledge toward practical implementation and the creation of Intellectual Property (IPR).
- The invention introduces a novel IoT-integrated wearable architecture capable of simultaneously monitoring environmental conditions and physiological parameters of the user. This enables predictive risk identification and proactive safety intervention in dynamic industrial environments.

Book Chapter:

- Advances in Thermal Systems, Materials and Design Engineering

Title: "Experimental Investigation of Torsional Fatigue Behaviour in Pure Epoxy Resin"
Authors: Prof. Megha Nagrale and Prof. Sachin Vankar

- Advances in Composite Materials: Emerging Trends in Tribology, Surface Engineering, and Innovative Fabrication

Title: "Investigation of Fatigue Loading Performance Characteristics of Epoxy Solid Cylindrical Rod for Advanced Composites"
Authors: Prof. Megha Nagrale and Prof. Sachin Vankar

Research paper reviewed:

Dr. Rajesh Buktar has been recognized as an active academic reviewer and received a Reviewer Appreciation Certificate from the journal Industrial Information Integration for quality peer reviews during 2024–2025.

Other Achievements : Notable Contribution:

- Prof. Kunal Bhavsar received an institutional appreciation letter for his valuable contribution in coordinating the FY Admission Scrutiny Centre in 2025.
- Prof. Kunal Bhavsar attended the ASHRAE Chapter Regional Conference (CRC 2024) at Udaipur, Rajasthan, from 20th to 22nd October 2024.
- Prof. Kunal Bhavsar attended a full-day technical event on "Data Centre EDGE" organized by the ASHRAE Mumbai Chapter on 30th November 2024 at The Mirador Hotel, Mumbai.
- Prof. Kunal Bhavsar attended the ASHRAE Chapter Regional Conference (CRC 2025) at Kathmandu, Nepal, from 29th August to 1st September 2025.
- Dr. Santosh Rane was invited as Chief Guest at the International Conference organized by G. H. Raisoni College of Engineering, Jalgaon, on 22nd January 2026.
- Dr. Santosh Rane was invited as Chief Guest at an International Conference at SJCEM on 17th May 2025.
- Dr. Santosh Rane was invited as Chief Guest at an AICTE ATAL FDP on "Blockchain & Industry 5.0" at Parul University on 9th February 2026.
- Dr. Santosh Rane was invited as Chief Guest for the inaugural function at Kalsekar College of Engineering, Panvel, on 13th August 2025.

- Dr. Santosh Rane was invited as the Chief Guest at the inaugural function of the SAE Collegiate Club, APSIT Thane, on 13th January 2026.
- Dr. Santosh Rane was invited as a jury member for the National-Level SMED Competition organized by CII on 27th February 2025.
- Dr. Santosh Rane was invited as a jury member for the National Lean Competition organized by CII on 16th May 2025.
- Dr. Santosh Rane was invited as a Keynote Speaker at an AICTE ATAL FDP at Parul University on “Blockchain & Industry 5.0” on 9th February 2026.
- Dr. Santosh Rane was invited as a Moderator for a panel discussion on “Technology Adoption in the Higher Education System” on 15th May 2025 under the Ministry of Skill Development and Entrepreneurship.
- Dr. Santosh Rane was invited as a Speaker by Swinburne University, Sarawak Campus, Malaysia, to conduct an expert session on “Unlocking Industrial Potential of Digital Twin” on 6th May 2025.
- Dr. Santosh Rane was invited as a Speaker in an International FDP on “Industry 5.0 Human-Centric Practices” on 19th February 2026.
- Dr. Santosh Rane was also invited as a Keynote Speaker at APSIT Thane on 13th January 2026, where he delivered a talk on “Industry 5.0 and Digital Twin Technologies.”










7th & 28th September 2025
9:00 am to 0 pm




THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY
Celebrating 25th Year of Educational Excellence
MULTICON-W 2026








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COLLEGE


S.P.C.E MUMBAI

ELECTRICAL DEPARTMENT REPORT

Department Overview:

The Department of Electrical Engineering was established in 1962 with an undergraduate programme in Electrical Engineering. In the academic year 2014–2015, the department started a postgraduate programme in Power Electronics and Power Systems. In 2018–2019, the department received approval for a Ph.D. programme from the University of Mumbai. The approved intake for these programmes is 60 (UG), 18 (PG), and 35 (Ph.D.), respectively.

The department has excellent infrastructure, with its key strengths being its faculty, students, supporting staff, and alumni. The faculty possesses expertise in the fields of Power Systems, Electrical Machines and Drives, Electronics, Communication Engineering, and Control Systems. Among the faculty, six members have completed their doctorates from IIT Bombay, one from IIT Roorkee, and four faculty members are currently pursuing their Ph.D. at SPCE.

Vision:

The Department of Electrical Engineering aspires to produce socially responsible and dedicated electrical engineers by providing conceptual learning that enhances research-based activities.

Mission:

- To educate through classroom teaching complemented by intensive practical activities and to promote academic excellence with the support of expertise from industry and academic institutions.
- To promote innovative ideas through seminars and projects.
- To create awareness of social responsibilities among electrical engineers.

This report presents the academic activities of the Department of Electrical Engineering for the period April 2025 to March 2026. All activities are planned and executed with a focus on the overall development of students.

Academic Activities:

Curriculum:

The department's curriculum is aligned with the AICTE model curriculum and NEP 2020. Regulation R-23 has been designed in accordance with the guidelines of the Directorate of Technical Education, Maharashtra State, incorporating key features of NEP 2020.

As per R-23, students can pursue a minor degree in interdisciplinary specializations and are required to undertake a compulsory internship in the final year. The department offers a variety of courses under Professional and Open Electives. Professional electives cover advanced topics in Electrical Engineering, while open electives provide interdisciplinary learning opportunities.

The department has a strong track record of excellent placements, and this curriculum is expected to further enhance graduate employability.

The elective courses offered by the department are beneficial for students pursuing higher studies. To strengthen conceptual understanding, the department conducts two skill-based courses: Electrical Simulation Laboratory and Electronics Design Laboratory. In addition to regular experiments, many laboratory courses include the implementation of mini-projects as part of course completion. This approach provides hands-on experience and supports students in successfully executing their final-year projects. The department has also received approval to increase the Ph.D. intake capacity to 35.

Department Accreditation:

An NBA team visited the department from 28th to 30th March 2025. The Department of Electrical Engineering has been granted accreditation for three years, valid until 2028.

Industry Institute Interaction:

A Memorandum of Understanding (MoU) has been continued with the Western Regional Load Despatch Centre (WRLDC), Power System Operation Corporation Limited (Power Grid), to promote industry–institute interaction.
The department has also signed MoUs with the following organizations:

- Tata Power Skill Development Institute
- VJTI, Mumbai

The following activities were carried out under these MoUs:

- Industrial visits for final-year students enrolled in the Smart Grid course
- Internship opportunities for third-year students during vacations
- Final-year projects completed by select students at WRLDC (Grid India)
- Skill-based training programmes on solar installation at the Tata Power Skill Development Centre

Internships:

A significant number of students completed internships in industries such as MSEB, Tata Motors, TVS, Western Railways, BEST, and WRLDC. Industry experts were also involved in curriculum development and revision.
Some students completed internships at reputed academic institutions, including IIT Bombay, IIT Bhubaneswar, and SPIT.

Industry Visits:

1. Dr. Nandkishor Kinhekar organized an industrial visit to Grid India, WRLDC, for final-year B.Tech Electrical Engineering students on 1st December 2025.
2. Third-year and final-year students visited the Khopoli Hydropower Plant (Tata Power) on 31st October 2025. The visit was coordinated by Dr. Sumbul Abidi, and Prof. Prajakta Joshi and Prof. Ushma Shah accompanied the students.

Consultancy/Third Party Audit:

Department faculty members, including Dr. B. B. Pimple and Prof. N. G. Bhitre, participated in third-party verification assignments with the Vasai–Virar Municipal Corporation.
Prof. Vishal Dake and Prof. Rahul Chavhan successfully completed third-party technical audits for Panvel Municipal Corporation, Ambernath Municipal Council, Bhiwandi–Nizampur City Municipal Corporation, and Karjat Municipal Council, generating revenue through consultancy and audit services.

Guest Lectures:

A guest lecture on “Opportunities in Power Electronics Sector for Electrical Engineers” was delivered by Mr. Abhinav Arya, Assistant Professor, Electrical Engineering, SECS, IIT Bhubaneswar, for third-year students. The session was organized by Dr. Sangeeta Daingade on 13th November 2025.
Additionally, select laboratory sessions in Signals and Systems, Control Systems, Advanced Electrical Drives, Power Systems, Electric Vehicles, and Design of Control Systems were conducted by research scholars pursuing Ph.D. from IIT Bombay. These sessions enabled students to gain exposure to hardware experiments and advanced simulation techniques.

Faculty Achievements:

- Prof. Rahul Chavhan and Prof. Vishal Dake received a Best Paper Recognition Certificate for their conference paper presented at Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh.
- Dr. B. B. Pimple is a member of the Board of Studies (Electrical Engineering) at University of Mumbai and also serves on the BoS at VJTI, Mumbai.
- Dr. B. B. Pimple was invited as an expert to conduct a course on “Electric Vehicle” at VJTI, Mumbai.
- Dr. Anupa Sabnis has been nominated for a one-year programme on Lean Manufacturing at IIM Bangalore.
- Prof. Vishal Dake served as the SPOC for Smart India Hackathon 2025, where one student team secured First Rank at the national level.
- Prof. Vishal Dake and Prof. Rahul Chavhan carried out collaborative technical work with Tata Power, including a B.Tech project titled “Design and Development of FRTU for Ring Main Unit.”
- Under the guidance of Prof. Prajakta Joshi, a B.Tech final-year project group won the Gold Medal and First Prize in the state-level round of the Aavishkar competition among 26 universities in Maharashtra.
- Under the guidance of Dr. Swati Lavand, final-year students executed a project on “Performance Analysis and Environmental Impact of BEST Buses” for the Mumbai Municipal Corporation.

Students Achievements:

The Electrical Engineering Students Association (EESA) remained active throughout the year. Students conducted and participated in numerous technical and extracurricular activities under the guidance of faculty coordinators Dr. Sumbul Abidi, Dr. Swati Lavand, and Prof. Rahul Chavhan. The key activities organized by EESA are as follows:

Workshops and Technical Activities

- Workshops on Calculator Applications, AutoCAD, and Breadboard Circuits
- Industrial visit to the Hydropower Plant, Tata Power, Khopoli, on 31st October 2025
- Expert talk on “Powering the Future: Leadership and Innovation in Grid Operations” by Mr. Mahesh Mehendale
- Alumni talk on “From Campus to Commercialization: Aligning Student Innovation with MeitY’s Vision for Atmanirbhar Bharat” by Mr. Amit Tele

Co-curricular and Extracurricular Activities

- Trek to Visapur Fort
- Prajwalan: Photography and Rangoli Competition on the occasion of Diwali
- Blood Donation Camp
- Teacher’s Day Celebration
- Winter Trip to Uttarakhand
- Department Photograph on Traditional Day
- Volleyball League and EESA Cup

Major Student Achievements :

- Smart India Hackathon 2025 (Winner – National Level):
- Ayushya Rajkumar Maurya (B.Tech) and Team SWACH secured a joint national win for their innovative solution on “Waste Segregation – Government of Punjab”, focusing on source-level waste segregation.
- Bank of Baroda Award 2026:
- Tejas Ware and Aniruddh Nalli (Final Year B.Tech) received this prestigious award.
- Thal Sena Camp (TSC) 2025 – NCC:
- Ms. Seema Sargar (Final Year B.Tech) secured First Position in the Firing Competition at Thal Sena Camp, a premier NCC camp held annually at Delhi Cantonment with participation from cadets across India.
- Aavishkar 2025–26 (18th Maharashtra State Inter-University Research Convention):
- Diti Diwakar Vishwakarma, Deepika Singh, and Bhakti Ghongate (B.Tech), representing the University of Mumbai, secured Gold Medal (First Rank) in the Engineering & Technology (UG) category for their project “Adaptive Hybrid Static VAR Compensator (SVC) for Dynamic Reactive Power Compensation.”
- SAE India Collegiate Club Conclave – Project Presentation Competition:
- Parth Dnyaneshwar Vinchu and Sankalp Deepak Nagane (T.Y. B.Tech) secured First Prize along with a cash award of ₹5,000 for their project “Detection of Malfunctioning of Railway Track Changer and Obstruction Detection.”
- Mumbai University Games:
- Rishika Goyal (T.Y. B.Tech) was selected to represent the University of Mumbai district team, demonstrating excellence in sports at the inter-university level.

- Maharashtra Innovation Festival 2026 (State Level):
- Sanskruti Gunjal, Madhura Jadhav, and Parth Dnyaneshwar Vinchu (T.Y. B.Tech) represented SPCE in the Paper Presentation Competition. Additionally, Madhura Jadhav and Parth Dnyaneshwar Vinchu participated in the Innovative Project Demonstration at the event held at Veermata Jijabai Technological Institute (VJTI), Mumbai, on National Science Day (26th February 2026).
- SPARK / Robocon Achievements: Several T.Y. B.Tech and S.Y. B.Tech students from the SPCE Robocon Team actively participated in national-level competitions, including DD Robocon (Doordarshan & IIT Delhi), Techfest IIT Bombay (Meshmerize and Cozmoclench), Roborift (Fr. CRCE), e-Yantra Robotics Competition (IIT Bombay), and SPHINX (SPCE).
- The team qualified for Stage 2 in DD Robocon with a high score, secured 3rd position at Roborift, and cleared Task 1 of e-Yantra, making it a highly productive year for the team.
- Formula Bharat 2026: Fourteen Electrical Engineering students from B.Tech, T.Y. B.Tech, and S.Y. B.Tech, as part of Team SPCE Racing Electric, contributed to securing 4th Overall rank among 40 teams nationwide. Notable achievements include:
- 3rd place in Static Events
- 5th place in Cost & Manufacturing
- 4th place in Engineering Design Presentation
- 4th place in Business Plan
- SAE Drone Development Challenge (DDC): Several T.Y. and S.Y. B.Tech students, as part of Team SPCE WAVE, secured All India Rank 1 in both Design Excellence and Technical Presentation. The team developed an aircraft capable of carrying maximum payload and deploying a cargo box mid-flight at the national-level competition organized by SAE.
- SPCE Football Club (SPCEFC) Achievements: Students from S.Y. and T.Y. B.Tech representing SPCEFC had an outstanding season across intercollegiate tournaments:
- Qualified for Round of 16 in Mumbai University Games
- Secured 2nd position at SHAZAM (TSEC), Spirit (SPCE), and Spoorthi (SPIT)
- Emerged as Champions at Zion (NMIMS)
- Participated in Cyberia (XIE), Sportsmania (VIT), and Alpha (ATLAS)

Publications:

Faculty members and students of the department have published research papers in international conferences and journals. The details are as follows:

- Rahul Chavhan, Nandkishor Kinhekar, and Arpit Rawankar presented “Experimental Study of NPK Compound Fertilizers in Hydrophobic Fertilizers Using UV Spectroscopy and Light Absorption Technique” at the International Conference on Advanced Design, Manufacturing and Sustainable Energy Systems (ICADMSES-2026), held at Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh, on 12–13 March 2026.
- Vishal Dake and Nandkishor Kinhekar presented “Simulation-Based Performance Assessment of a Grid-Connected Rooftop Photovoltaic System in a Coastal Urban Environment” at the International Conference on Advanced Design, Manufacturing and Sustainable Energy Systems (ICADMSES-2026), held at Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh, on 12–13 March 2026.

3. Harshal P. Gosavi, Swati Lawand, and Rajendra Sawant presented the paper “Power Flow Analysis of Networked Microgrids: An OpenDSS-Based Investigation” at the 6th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2026), held at Fr. Agnel College of Engineering and Technology, Vashi, Navi Mumbai, on 15–16 January 2026.

Alumni Activity:

The Alumni Association is actively involved in the development of the Robotics and Embedded Laboratory. Special appreciation is extended to Mr. Arun Karle, Mr. Shashi Banka, Ms. Jui, and Mr. Bhaskar Bhat for their continuous support in enhancing laboratory infrastructure.

An alumni talk on “Navigating Career Challenges and Life Lessons” was delivered by Mr. Suved Jaywant, Teaching Assistant at McGill University, and was organized by EESA in January 2025.

Laboratory Development:

The development of a state-of-the-art Robotics and Embedded Laboratory is in progress with the support of the SPCE Alumni Association.

Additionally, the upgradation of the Electrical Vehicle (EV) Laboratory is underway with alumni support.

Placements:

A total of 62 students from the Electrical Engineering Department were placed in the academic year 2024–25 in reputed organizations such as TOYO, L&T, Bajaj Electricals, Tata Power, Tata Motors, Schneider Electric, TCS, Siemens, TVS Motor Company, Technip Energies, Mahanagar Gas, ICICI Bank Ltd., Blue Star India, and Innomotics India Pvt. Ltd. Eight students pursued higher education at prestigious institutions, including IIT Bombay, NITs, CDAC, Columbia University, UC Riverside, Johns Hopkins University, and Clemson University.









FIRST YEAR DEPARTMENT REPORT

Department Overview:

The First-Year Engineering Department facilitates students in learning fundamental courses that form the foundation for their professional engineering studies. It also focuses on enhancing students' communication and interpersonal skills, contributing to their overall personality development. As a result, students are better prepared to face both on-campus and off-campus placement interviews and to perform effectively in their professional careers.

The department serves as a bridge between basic sciences, humanities, and engineering—an essential component of a well-rounded engineering education.

The department has well-qualified and experienced faculty, along with well-equipped, state-of-the-art laboratories. These laboratories are regularly upgraded in accordance with curricular requirements. The department conducts a comprehensive orientation and a 21-day induction programme for newly admitted F.Y.B.Tech students. During this period, students are introduced to various academic courses, soft skills, and life skills. They are also encouraged to participate in yoga sessions and various indoor and outdoor sports to support their physical and mental well-being.

In addition, the department, through the institute's Training and Placement Office (TPO), conducts diagnostic tests for first-year students. These tests help students identify their strengths and areas for improvement. Faculty mentors and in-house counsellors are available to support students in addressing academic and personal challenges.

Dr. Shyamlee Solanki has been serving as the Head of the First-Year Engineering Department since 2nd May 2022.

Paper Presentation:

Dr. Hansa Jeswani and Dr. Shyamlee Solanki co-presented a research paper titled "**Integrating Sustainable Development Goals into Design Thinking Education: Case-Based Insights from Engineering and School-Level Pedagogy in India**" at NICOM 2026, held at the Institute of Management, Nirma University.

RESEARCH ACTIVITY

Sardar Patel College of Engineering (SPCE) has various research accomplishments and achievements. This is the list of ongoing research projects and status of proposals submitted at various institutions in process while being supported from various funding institutions.

Sr. No.	**Project Title**	**Faculty involved**	**Amount (lakhs)**
1	Modular and Reconfigurable Digital Twin Based Temperature and Flow Monitoring Setup for Thermal Systems	Dr. Kiran Suresh Bhole	3.55
2	Investigation of Fractal Growth on the Curved Surfaces in Hele Shaw Flow	Dr. Kiran S. Bhole, B.S. Kale	31.80
3	Development of machine for rapid fabrication of the biocompatible microneedles	Prof. P. S. Gandhi, Co-PI: Dr. K. S. Bhole and Pravinkumar Vemula	173
4	Application of Bio-electrochemical System for Electrocoagulation and Development of Anion Exchange Membrane using Clay Minerals	Dr. Anil Ghadge	45.89
5	Experimental and Numerical Investigation of Alumina Micromachining Process by Electrochemical Discharge Machining (ECDM)	Prof. Sharad Valvi, Mentor: Dr. Pradeep Dixit (IIT Bombay)	18.3
6	Implication to Neotechtonic Deformation	Dr. Suman Rawat, Mentor: Dr. A. R. Kambekar, Dept. of Civil Engineering	41.23
7	Agentic AI-Enabled IIoT and Digital Twin Framework for Predictive Maintenance of Industrial Assets **$**	Dr. Rajesh Buktar	53
8	Numerical Investigation using Split Beam Method to Study Curing Behavior of Unconstraint Depth Resin System upon Exposure of Hollow Gaussian Beam **$**	Dr. Kiran Suresh Bhole	5
9	Valorization of Waste Silicon Solar Cells in Cementitious Materials **$**	Dr. Hansa Jeswani	43.3
10	AI-Driven Prognostics Health Management (PHM) for Manufacturing Systems **$**	Dr. Rajesh Buktar	45

$Accepted for technical Evaluation *Defended at Final Stage of Evaluation

The Student Council
2025-26



FACULTY ADVISOR
Dr.Shyamlee D. Solanki

GENERAL SECRETARY
Raiyyan Bagwan

DEPUTY GENERAL SECRETARY
Nidhi Kandade

TECHNICAL SECRETARY
Aditya Jadhav
Aditya Shinde
Manjeet Sharma

CULTURAL SECRETARY
Ian Dias
Utkarsh Ghuge

SPORTS SECRETARY
Harshwardhan Sirsat
Stuti Athani
Rishika Goyal

CREATIVE SECRETARY
Shrutika Tajne
Arohi Patil

MAGAZINE SECRETARY
Deepak Shanbhag
Shreya More

LITERARY SECRETARY
Mishti Singham
Akhil Pillai

SOCIAL WORK SECRETARY
Sakshi Pise
Yash Bole

LADIES REPRESENTATIVE
Srushti Mohod
Nidhi Mishra

NETWORKING & OUTREACH SECRETARY
Aashish Pate

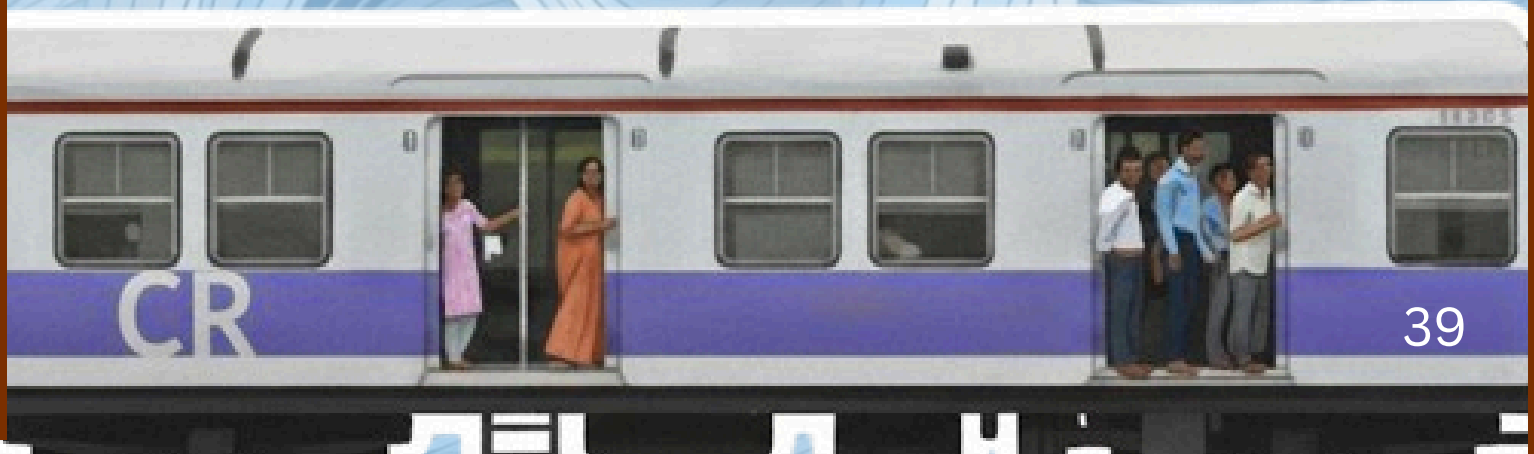
FINANCIAL SECRETARY
Krushnal Choudhari
Anunay Bhat

CONTINGENT LEADER
Satvik Mandlik
Vaishnavi Shinde

STUDENT WELFARE COMMITTEE



Dr. Shyamlee D. Solanki - Chairperson
Dr. Jayram Gholave - Member Secretary
Prof. Vinodkumar.I. Sharma - Sports Incharge



General Secretary

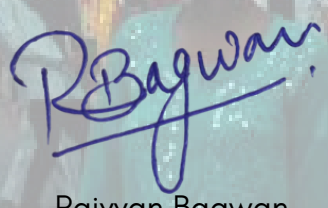
Every year, a new team steps into the Student Council chamber with one quiet promise — to leave this place better than we found it. This year, **I believe we kept that promise**.

The year began on a celebratory note with Independence Day, setting the tone for everything that followed. We welcomed our newest members to the SPCE family through a thoughtfully designed induction programme, not just a formality, but an effort to make every fresher feel genuinely at home. As the season shifted, the campus came alive with garba during Navratri, followed by Spirit, our annual sports festival, which saw participation that reminded us just how fiercely this campus loves to compete. We also had the privilege of organizing an alumni meet, bringing together over 85 alumni from three different batches, a moment that truly reflected the strength and continuity of the SPCE community. I would like to extend my sincere gratitude to the SPCE Alumni Association for their invaluable contribution in strengthening the bond between students and alumni.

A special mention goes to the athletes who represented us at the Mumbai University Games. Over 100 students competed across wrestling, basketball, chess, and more. To each one of them, and to our Sports Secretaries, you made us proud.
Pre-Sphinx then transformed the campus into a stage of pure expression, before we arrived at something truly historic, for the first time in eleven years, SPCE and SPIT joined hands, merging Sphinx and Oculus into one landmark collaboration. When Sachin-Jigar performed on Day 3 to a crowd of over 4,000, the energy was something none of us will forget.

But the moments we are most proud of are the ones we built from scratch. Yuva Sansad brought the spirit of the Lok Sabha and Vidhan Sabha into our corridors. Spotlight- SPCE's very first podcast, opened a new channel between students and alumni, a bridge we hope continues to grow stronger every year. And looking ahead, the SPCE Cup and a dedicated Literature Week — featuring TEDxSPCE, the Annual Debate, Extempore, and a special author appearance await.

NNone of this would have been possible without the people who always showed up. To Dr. Shyamlee Solanki ma'am, our Faculty Advisor - you were our anchor. To Dr. M. M. Murudi sir - thank you for your presence and your trust. To Dr. Rahul Dahatonde sir - thank you for your constant guidance and support. To our non-teaching staff, the mamas, and our Store Manager - your quiet, tireless work is seen and deeply appreciated. And to the Student Council - you didn't just fulfill your responsibilities; you gave this year its soul.
To whoever reads this, months or years from now — this was our year. We hope it makes you proud.



-Raiyyan Bagwan

Cultural Secretaries

As we reflect on this monumental year, our hearts are filled with immense pride for the vibrant and historic cultural landscape we have built together. Our journey was defined by moments of unity and shared experiences that brought our campus to life in ways we haven't seen in a generation.

This year, we didn't just organize events; we made history. The defining chapter of our tenure was the grand revival of a bond a decade in the making. For the first time in ten years, we joined forces with **SPIT** to collaborate on our techno-cultural fests, echoing the legacy of the legendary **SPACE** era. This partnership marked a massive shift in our cultural fabric; **we learned that when two powerhouse institutions align, the potential for a fest doesn't just double—it upscales exponentially.**

Our annual techno-cultural fest, **SPHINX**, was a testament to this synergy. It was, without a doubt, the biggest fest in the last decade, with the venue seeing massive footfall and unprecedented hype. The highlight that will stay with us forever was witnessing the incredible **Sachin-Jigar** take the stage as our headliners—a night where the music and the crowd moved as one.

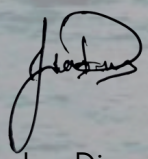
Beyond the stage lights, we focused on building a lasting foundation. We are proud to have founded **Spotlight**, a mentorship and guidance platform designed to go beyond the syllabus. Our vision for Spotlight was to create a space where students could learn about life and discover what it truly means to be "good humans." Furthermore, we took a leap by strategically motivating SPLASH, our dance club, establishing a roadmap that will serve as the base for competing in high-scale elite competitions in the future.

True leadership, however, is about empowering others. We dedicated ourselves to guiding our committees, teaching the fundamentals of **Marketing and PR** from the basics up. Watching our team apply these skills to execute everything from the soulful **Independence Day** and **Garba Night** celebrations to the high-energy **Sphinx** was perhaps our greatest reward.

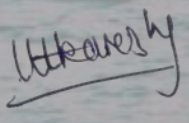
We owe a debt of gratitude to this year's Student Council. To our **General Secretary and Technical Secretaries**: thank you for being our pillars of support. We are immensely grateful for the way we operated as a single, fluid unit—where roles were never restricted and titles never came before the mission. Your willingness to step into any role made our vision a reality.

To the cultural clubs—**SPARSH, SPLASH, SPANDAN, and SPARKLE**—and our tireless volunteers: you were the heartbeat of our excellence. We took risks that others hesitated to take because we knew that where there is a shared vision, there is a way.

To the next team, we say: **the foundation has been reset, and the bar has been raised. Dare to dream bigger, take bolder risks, and carry this legacy forward. The stage is yours; make it even more legendary.**



-Ian Dias



-Utkarsh Ghuge

Technical Secretaries

As we look back on this year, we've realised that our work wasn't just about events—it was about transformation. Curiosity spark ideas, and ideas take shape into real innovation. As Technical Secretaries, it's been incredible to watch students step up to create, build, and lead. Through workshops, seminars, and hands-on experiences, we aimed to make learning more dynamic, practical, and meaningful.

Our very own flagship event SPHINX, in collaboration with Oculus (SPIT), brought together both institutions, creating a larger and more dynamic platform for students. Roboverse was the flagship collaborative initiative that reflected the combined vision of both colleges. Events like RoboSumo, Robo Soccer fueled curious minds to excel and display their technological acumen.

The Civil events — Plan It, Clash of Concrete, and Constructo—stood out for their structural ingenuity, practical application, and design-driven challenges, pushing participants to think critically and build with precision while keeping the competitive spirit alive.

This year, we introduced an exclusive set of new Mechanical events — Lathe Wars, Speed CAD, and Full Throttle—bringing a fresh wave of energy to the fest. These events were fast-paced, skill-intensive, and rooted in practical engineering, offering participants a dynamic hands-on experience.

Our technical clubs—SPCE W.A.V.E., SPCE Racing and S.P.A.R.K.—have demonstrated exceptional national acumen, securing top ranks and firmly establishing SPCE's mark on the national stage. Their achievements continue to inspire a culture of excellence and innovation across the campus.

At the heart of it all were the people who made it happen. From the core team to every organizer and volunteer, their hard work is what turned ideas into reality. We're truly thankful to Dr. Shyamlee Solanki, along with our faculty, staff, and Principal, for their constant support and guidance.

As we pass the baton and our responsibilities, we're confident that our successors will carry this momentum forward. Let's keep building, innovating, and pushing boundaries.

-Aditya Jadhav

-Aditya Shinde

-Manjeet Sharma

Sports Secretaries

At Sardar Patel College of Engineering (SPCE), sports is more than just competition- they are a way of bringing the community together. This year has been filled with energy, teamwork, and memorable moments as students actively participated in various sporting events and continued to strengthen the sporting culture of our college.

One of the most exciting highlights of the year was SPIRIT, our annual inter-collegiate sports festival. The campus came alive with enthusiasm as 800 participants from around 25 different colleges competed with passion and sportsmanship. SPIRIT once again proved to be a celebration of teamwork, dedication, and the true spirit of sports, made possible by the efforts of our athletes and volunteers.

Our students also represented SPCE in the Mumbai University Games, competing across multiple sports with determination and pride. Their performances reflected the hard work and commitment of SPCE athletes.

As we look forward to the coming months, we are excited for the SPCE Cup, our annual intra-college sports tournament. The SPCE Cup has always been a platform where students from all years come together to participate, compete, and enjoy college beyond academics. We hope to see enthusiastic participation and make this edition even more memorable.

It has been truly encouraging to see more students taking part in sports and trying to maintain a balance between academics and physical activity. As Sports Secretaries, we are grateful for the constant support from the administration, faculty, volunteers, and athletes who make every event successful.
We hope to continue building a stronger sporting culture at SPCE and encourage every student to experience the joy and discipline that sports bring.

-Rishika Goyal

-Stuti Athani

-Harshwardhan Sirsat

Merit list 2024-25

Name of the Award	PRIZE AWARDED
KULPATI'S GOLD MEDAL	For securing First Rank in First Attempt amongst students of this college in following Programs. • B.TECH. (CIVIL) SHEKHAR DIGVIJAY DILIPKUMAR • B.TECH. (MECHANICAL) OLIVEIRA DYLAN FRANCISCO XAVIER • B.TECH. (ELECTRICAL) ATHARVA SUNIL FUNDE
KULPATI'S SILVER MEDAL	For securing Second Rank in First Attempt amongst students of this college in following Programs. • B.TECH. (CIVIL) URVASHI SETH • B.TECH. (MECHANICAL) BHUSARI SANKET LAHANU • B.TECH. (ELECTRICAL) NANGNURE DATTA BALU
SHRI PRUTUVISH NARAYANDAS KILLAWALLA PRIZE	• For securing highest scores in first attempt amongst students of this college at F.Y B.TECH. (ELECTRICAL) Examination held in previous academic year and joined in S.Y B.TECH. (ELECTRICAL) **POTDAR SIDDHARTH AJAY** • For securing highest scores in first attempt amongst students of this college at S.Y B.TECH. (ELECTRICAL) Examination held in previous academic year and joined in T.Y B.TECH. (ELECTRICAL) **GUNJAL SANSKRUTI DNYANDEV** • For securing highest scores in first attempt amongst students of this college at T.Y B.TECH. (ELECTRICAL) Examination held in previous academic year and joined in B.TECH. (ELECTRICAL) **VISHWAKARMA DITI DIWAKAR** • For securing highest scores in first attempt amongst students of this college at B.TECH. (ELECTRICAL) Examination held in previous academic year **ATHARVA SUNIL FUNDE**

Merit list 2024-25

Name of the Award	PRIZE AWARDED
Dr. PRANLALA PATEL FOUNDATION PRIZE	• Has been awarded Dr. PRANLALA PATEL prize for securing highest CPI in F.Y. B.TECH. (MECHANICAL) examination at the first attempt during the previous academic year GADRE SOHAM AMOL • Has been awarded Dr. PRANLALA PATEL prize for securing highest CPI in S.Y. B.TECH. (MECHANICAL) examination at the first attempt during the previous academic year AKHIL SHYAM PILLAI • Has been awarded Dr. PRANLALA PATEL prize for securing highest CPI in T.Y. B.TECH. (MECHANICAL) examination at the first attempt during the previous academic year PAWAR RASHMI BHASKAR
SHRI MARATHE MEMORIAL PRIZE	• For securing highest CPI in the subject of "Mechanics of Materials" Sem. III at the S.Y.B.TECH. (CIVIL) examination held in previous academic year NAIK ANUJ PRAKASH
SHRI MARATHE MEMORIAL PRIZE	• For securing highest CPI in the subject of "STRENGTH OF MATERIALS" Sem. III at the S.Y. B.TECH. (MECHANICAL) examination held in previous academic year WADNERKAR PARTH DEVENDRA SWATI
INDIAN WATER WORK ASSOCIATION (BOMBAY CENTRE) CASH PRIZE	• For securing highest Scores in the subject of "Engineering Economics" at B.TECH. Sem VII examination SHEKHAR DIGVIJAY DILIPKUMAR
MRS. VIJAYA SURESH BHOLE AWARAD OF MERIT	• Mrs. Vijaya Suresh Bhole Awarded of Merit to first rank holder of B.Tech (Mechanical Engineering) Program to OLIVEIRA DYLAN FRANCISCO XAVIER
MS. SHARADA GAVADE AWARD OF MERIT	• The first rank holder of B.tech Program across all branches from (Civil Engineering Program) SHEKHAR DIGVIJAY DILIPKUMAR

Merit list 2024-25

Name of the Award	PRIZE AWARDED
MEENA AND DINANATH RAIKAR AWARD FOR EXCELLENCE	• Meena and Dinanath Raikar Award for Excellence ranked first in the final 4th year (Mechanical Engineering) Program to OLIVEIRA DYLAN FRANCISCO XAVIER
SHRI SHANKAR BHANDARKAR	• For securing highest scores amongst our successful college student in the subject of 'Control System' in T.Y. B.Tech. semester V examination held in previous academic year VISHWAKARMA DITI DIWAKAR
SMT PRAMODINI BHANDARKAR	• For securing highest scores amongst our successful college student in the subject of 'Digital Control Design' in B.Tech. semester VII examination held in previous academic year RAJDEEP BANERJEE
MERIT PRIZE (OR BOOKS) AWARDED BY STRUCTURAL ENGINEERING DEPARTMENT TO THE STUDENTS OBTAINING THE FIRST CLASS AND GETTING HIGHEST NUMBERS OF MARKS IN ALL STRUCTURAL ENGINEERING SUBJECTS	• Mechanics of Materials NAIK ANUJ PRAKASH
MERIT PRIZE ON THE BASIS OF MERIT IN THE PRECEDING EXAMINATION	• F.Y. B.TECH. Electrical POTDAR SIDDHARTH AJAY • F.Y. B.TECH. Civil PAKHI DATIR • F.Y. B.TECH. Mechanical GADRE SOHAM AMOL • S.Y. B.TECH. Electrical GUNJAL SANSKRUTI DNYANDEV • S.Y. B.TECH. Civil NAIK ANUJ PRAKASH • S.Y. B.TECH. Mechanical AKHIL SHYAM PILLAI

Merit list 2024-25

Name of the Award	PRIZE AWARDED
MERIT PRIZE ON THE BASIS OF MERIT IN THE PRECEDING EXAMINATION	• T.Y. B.TECH. Electrical VISHWAKARMA DITI DIWAKAR • T.Y. B.TECH. Civil KALE SIDDHI DIGAMBAR • T.Y. B.TECH. Mechanical PAWAR RASHMI BHASKAR • B.TECH. Electrical ATHARVA SUNIL FUNDE • B.TECH. Civil SHEKHAR DIGVIJAY DILIPKUMAR • B.TECH. Mechanical OLIVEIRA DYLAN FRANCISCO XAVIER
Bank of Baroda Achievers' Award 2026	• Tejas Ware of B.Tech Electrical • Kruti Jharbade of B.Tech Mechanical • Aniruddh Nalli of B.Tech Mechanical



THE MUMBAI GAME

DIFFERENT PATHS.
SAME CITY.
COUNTLESS STORIES.

DADAR

Bless your tongue with authentic Maharashtrian Cuisine

AAREY

Lush forest housing the bollywood cinema industry

THANE

This isn't a stop, it's a Lake Run

GHATKOPAR

It's more than a place

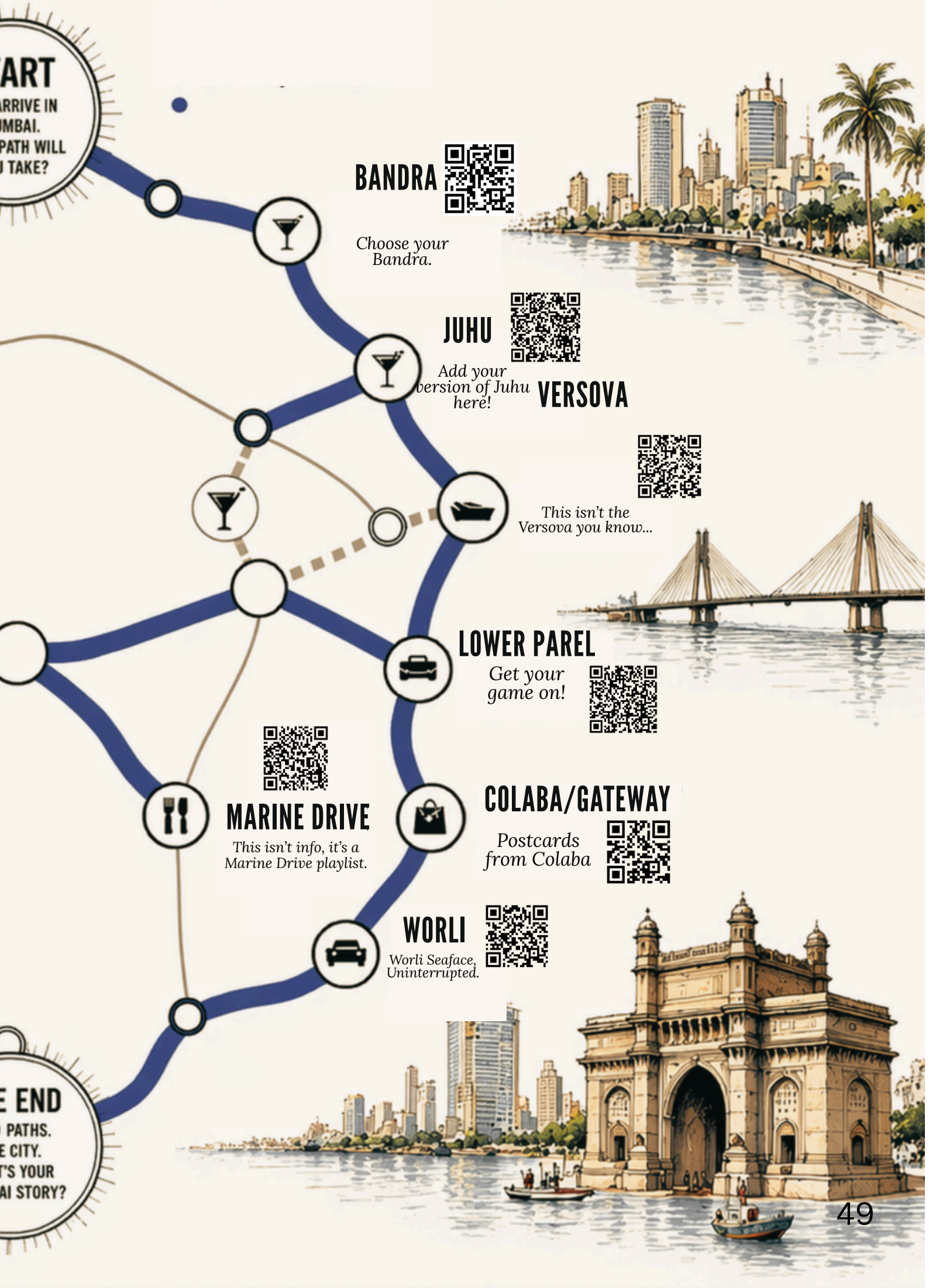
ANDHERI

Home of Mumbai's favorite pizza spot

BORIVALI

City chaos that houses ancient caves




ART
RRIVE IN
MBAI.
PATH WILL
J TAKE?
BANDRA
Choose your Bandra.
JUHU
Add your version of Juhu here!
VERSOVA
This isn't the Versova you know...
LOWER PAREL
Get your game on!
MARINE DRIVE
This isn't info, it's a Marine Drive playlist.
COLABA/GATEWAY
Postcards from Colaba
WORLI
Worli Seaface, Uninterrupted.
E END
PATHS.
E CITY.
T'S YOUR
AI STORY?

PLACEMENT REPORT 2024-25

Company Name	Mechanical	Electrical	Civil
Schneider Electric	1	1	0
Technip Energies	0	3	3
Burns & McDonnell India	3	0	0
Tecnimont Private Limited	2	1	0
The Innovation Story	1	0	0
Larsen & Toubro Limited	0	1	3
Sekura India Management Ltd	0	2	0
The Shapoorji Pallonji Group	2	0	1
ICICI Bank	1	2	0
Tata Power Company Ltd.	1	10	2
Toyo Engineering India Pvt. Ltd.	3	1	1
Worley India Pvt. Ltd.	0	0	2
Blue Star Limited	4	2	0
Innomotics India Pvt. Ltd.	0	3	0
Axis Bank Ltd.	2	0	0
Hindustan Unilever Limited	0	1	0
Atithy Construction	0	0	1
Kalpataru Projects International Ltd.	0	4	2
Panasonic Life Solutions India Pvt. Ltd.	1	0	0
Rustomjee Elements	0	2	1
Mahanagar Gas Ltd.	3	2	0
Voltas Limited	1	1	0
Dr. Kelkar Design Pvt. Ltd	0	0	1
Lodha Group	0	3	2
Oberoi Realty Limited	1	6	4
Thyssenkrupp India Pvt. Ltd.	2	2	0
Jacobs Solutions India Pvt. Ltd.	0	3	0
Jio World Centre	3	1	0
R.K Control Instruments Pvt.Ltd	6	0	0
Raychem RPG	2	1	0
Bajel Projects Limited	0	3	4
KEC RPG	0	2	0
H & K Rolling Mill Engineers Pvt. Ltd.	1	0	0
Mahindra & Mahindra	2	1	0
Bharat Electronic Limited	0	0	1
Mahindra Susten Pvt. Ltd	0	1	0
Alpha TND Pvt. Ltd.	0	2	0
Taj Sats Air Catering Ltd	0	1	0
TOTAL	**42**	**62**	**28**
Higher Education Aspirants	**5**	**15**	**2**

INTERNSHIP REPORT 2025-26

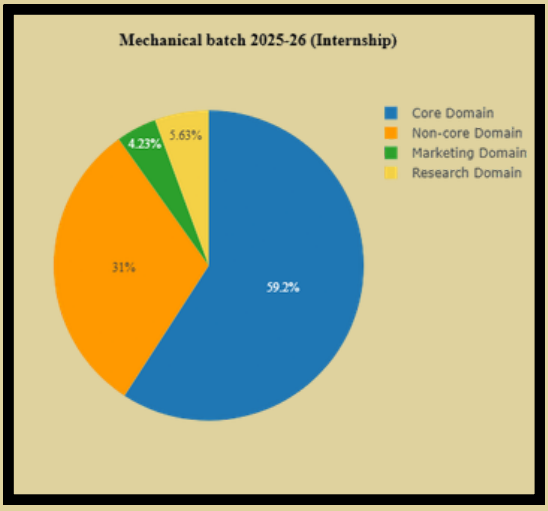
Placement Information:

The placement season for the Batch of 2026 at Sardar Patel College of Engineering (SPCE) commenced in August 2025, with participation from over 108 companies across core engineering, IT & consulting, and finance sectors. Recruitment processes included online and offline tests, group discussions, and interviews.

As of March 2026, approximately 75% of eligible students have been placed, with an average package of ₹6.5 LPA and a highest package of ₹12.36 LPA. Core companies such as Larsen & Toubro, Tata Motors, and Tata Power offered average packages of around ₹6 LPA. IT and consulting firms like TCS, GEP, and OMP offered higher averages of approximately ₹8.5 LPA, while finance companies such as ICICI Bank and Axis Bank offered packages around ₹7.5 LPA.Overall, 74% of actively participating students secured job offers, marking a successful placement season.

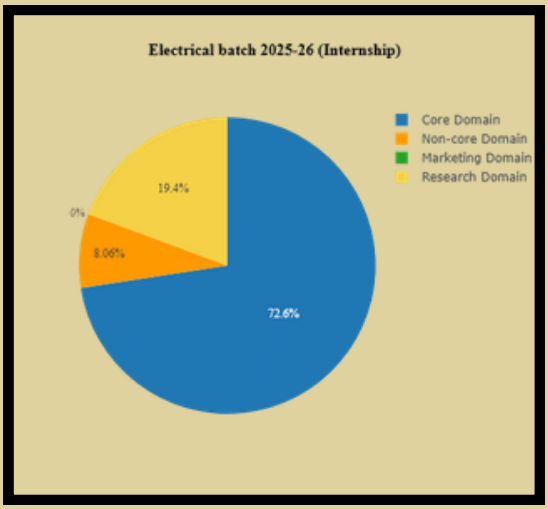
Internship Information:

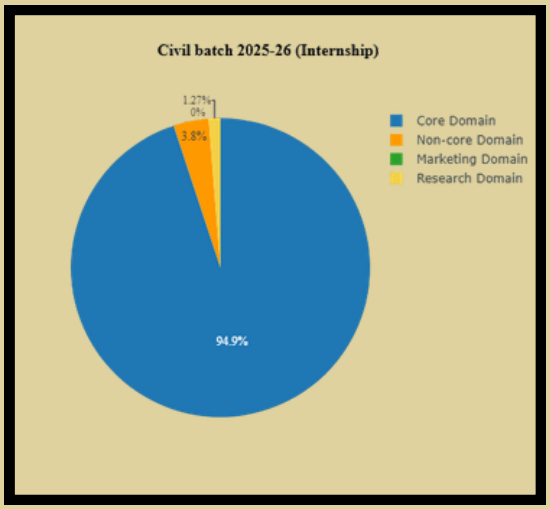
As per AICTE guidelines, all students of the Batch of 2026 are required to complete a compulsory one-semester internship in the 8th semester as part of their curriculum, primarily aimed at providing industry exposure and practical experience; hence, companies are not obligated to offer stipends.



The institute successfully achieved 100% internship participation across various reputed organizations and sectors. These internships enabled students to gain hands-on experience, bridge the gap between theory and practice, and enhance their overall employability. The domain-wise distribution of internships (Core / Non-Core / Marketing / Research) across departments is as follows:

- Mechanical Engineering: 59.2%/31%/4.23%/5.63%
- Electrical Engineering: 72.6%/8.06%/0%/ 19.4%
- Civil Engineering: 94.9% / 3.8% / 0% / 1.2%





TRAINING & PLACEMENT OFFICE TEAM



TRAINING & PLACEMENT OFFICE
AY 2025/26

Training & Placement Officer:
Dr. Rahul T. Dahatonde

Mechanical Engineering Department	Civil Engineering Department	Electrical Engineering Department
Abhishek Rajpure	Nishant Johare	Vijay Wadekar
Janhavi Pande	Vashudha Bhadsange	Riya Ekare
Vaishnavi Gaikwad	Shwet Jadhao	Kedar Amdekar
Tanmay Varerkar	Saloni Narute	Deepika Singh
		Divya Dhas

Student Achievements

Two teams from SPCE have reached the final round of the renowned **La Trobe university Innovation Challenge** for their promising projects with real-world environmental impact. The teams are:

- **CARBON DIOXIDE SEQUESTRATION USING ALGAE**: A team led by **Gayatri Sawant**, under **Dr. Hansa Jeswani**, developed a microalgae-based CO_2 capture system, now continued by **BTech Civil students Gayatri Rathod, Harsh Srivastava, Shah Sachin, Shravani Kolekar,** and **Samyak Kamble.**
- **NON-INVASIVE IOT BASED DEVICE FOR DETECTION OF SEWAGE SYSTEM CLOGGING**: **Shantanu Bhosale, Tamanna Samal, Mohammed Sadiq Shaikh,** and **Yash Rajput**, guided by **Dr. Hansa Jeswani** and **Abhijit Nadgouda**, developed an IoT ultrasonic device for non-invasive sewer blockage detection, promoting sustainable urban infrastructure.





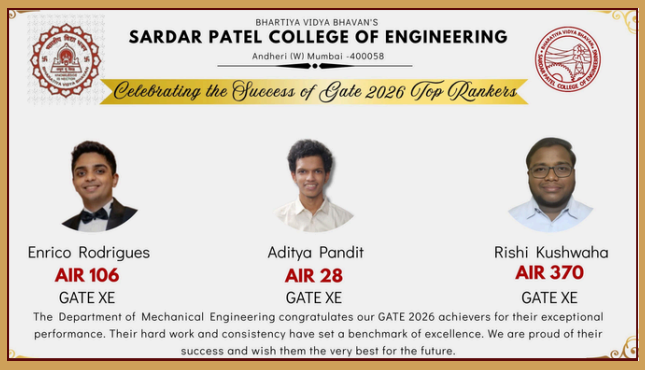


Ayushya Maurya (Team Leader), Sachin Shah, Shravani Kolekar, Vaishnavi Ratnaparkhi, Samarth Rasane, and Agniva Pal, have achieved a remarkable milestone by winning the **Smart India Hackathon (SIH)** 2025 Grand Finale in the Hardware Category. Their team, **Team SWACH**, developed an innovative solution titled **"Waste Segregation Monitoring System for Urban Local Bodies"**, offering a practical and scalable hardware-based approach to address urban waste management challenges.



Ms. Diti Vishwakarma, Ms. Deepika Singh, and Ms. Bhakti Ghongate (final-year B.Tech Electrical Engineering students) under the guidance of **Dr. Prajakta Joshi**, won the **Gold Medal** (First Rank) at the **18th Aavishkar Maharashtra State Inter-University Research Convention 2026**. (Category 5: Engineering & Technology (UG Level)). The team achieved this milestone after successfully clearing the Inter-Collegiate, Zonal, and District rounds, and finally securing **Rank 1** at the State Level.

Student Achievements



Mr. Aditya Pandit (B.Tech Mechanical), **Mr. Enrico Rodrigues** (B.Tech Mechanial) and **Mr. Rishi Kushwaha** (B.Tech Mechanical) all have aced GATE 2026 achieving **AIR 28, AIR 106 and AIR 370** respectively.



Ms. Seema Aabasaheb Sargar (Btech Electrical) from CAT-3 Amravati for securing the **First Position** in the **Thal Sena Camp (TSC) 2025**. The competition tests cadets on multiple performance parameters, recognizing the best shooters at the national level.



Mr. Aashish Pate had the following accomplishments in 2025/26:

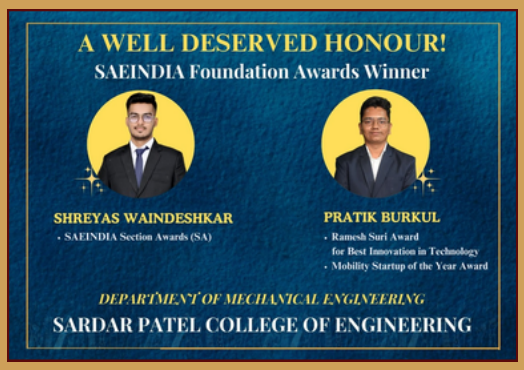
- Captain of Maharashtra Team for 6th Senior Mixed Netball National Championship 2025 at West Bengal. Maharashtra was 2nd Runner Up.
- National Official and Technical Committee for 11th National Sportdance Championship 2026 held at Pondicherry.



Mr. Bhiva Jethe and Ms. Kruti Jharbade from the Department of Mechanical Engineering, Sardar Patel College of Engineering (SPCE), Mumbai, received the Best Paper Presentation Award at the FMFP International Conference for their presented paper.

Student Achievements

Sanskruti Gunjal, Madhura Jadhav, and Parth Dnyaneshwar Vinchu (T.Y. B.Tech) represented SPCE in the Paper Presentation competition at Maharashtra Innovation Festival 2026. Madhura Jadhav and Parth Dnyaneshwar Vinchu also participated in the Innovative Project Demonstration at the event organized at Veermata Jijabai Technological Institute (VJTI), Mumbai on National Science Day (26 February).



Shreyas Waindeshkar received the SAEINDIA Section Award and Pratik Burkul for earned the Ramesh Suri Award for Best Innovation and Mobility Startup of the Year. These prestigious honors from the SAEINDIA Foundation Awards 2024-25 recognize their exceptional contributions to technology and the future of mobility.



SPCE PhD scholars Mrs. Gayatri Abhyankar and Mr. Chirag Kale also represented the institute up to the Maharashtra State Level in their respective categories, reflecting SPCE's strong and growing research ecosystem. Additionally Mr. Chirag Kale, , under the guidance of Dr. Santosh Rane, secured First Rank and Gold Medal at the University-Level Aavishkar Competition for the academic year 2025–2026.



Members of M.Tech Structures came first in the Annual CEA Cup Cricket and Carrom tournaments held in SPCE.

CIVIL ENGINEERING

Students Association

C E A

The Civil Engineering Students' Association (CEA) is an active student body of the Civil Engineering Department at SPCE. It is primarily managed by third-year students and coordinated with the support of second-year students, providing juniors with opportunities to learn while being guided by their seniors in organizing and executing activities.



ACTIVITIES PLANNED FOR 2025-26

For the academic year 2025–26, the Civil Engineering Students' Association (CEA) plans to organize a variety of activities aimed at enhancing both technical knowledge and overall student engagement. These include:

- AAGAZ
- CALCULATOR WORKSHOP
- GUEST LECTURE
- SITE VISIT
- BLOOD DONATION
- SURVEY PROJECT LECTURE

CEA COMMITEE 2025-26

- **GENERAL SECRETARY** : ROHIT CHAUDHARI
- **TECHNICAL HEAD** : MOHD SADIQ SHAIKH
- **NON-TECHNICAL HEAD** : SHANTANU BHOSALE
- **FINANCIAL HEAD** : SHREYAS PATIL
- **SITE VISIT HEAD** : PARAS DONGARE
- **SPORTS HEADS** : KARTIK KENDRE AND CHETAN SANGHVI
- **CREATIVE HEAD** : BHAKTI KUMAWAT

These activities help students gain practical exposure, improve communication skills, and develop confidence beyond classroom learning. The Civil Engineering Students' Association (CEA) operates under the guidance of the Ex-Officio members, Prof. Snehjit Kumbhar and Dr. Hansa Jeswani, Head of the Civil Engineering Department, who provide essential support and direction.



ELECTRICAL ENGINEERING

Students Association

Guided by the vision "Betterment for Tricals," the Electrical Engineering Students' Association (EESA) promotes academic excellence and professional growth through a diverse range of initiatives. By effectively balancing technical workshops, industrial visits, and expert lectures with vibrant non-technical events and social outreach activities, the association fosters a well-rounded student community.

Ultimately, EESA bridges the gap between classroom learning and career readiness, while nurturing leadership, teamwork, and collaboration within the department.



Completed Events

Technical events:

- Vidyut (Technical Fest)
- Alumni Talk
- FPGA Workshop
- Guest Lecture
- Circuit Hunt
- Switchboard Workshop

Non-Technical Events:

- Reel Competition
- Awards Ceremony
- URJA Magazine

Sports Events:

- EESA Cup 2026
- Volleyball auction

EESA Committee 2025-26:

- **General Secretary** : Mayank Nikumbh
- **Finance Secretary** : Parth Vinchu
- **Technical Secretary** : Prathamesh Kadam
- **Non-Technical Secretaries**: Swapnil Pawar, Mrunmayi Savkar, Annu Jha
- **Sports Secretaries** : Shrivardhan Deshmukh, Om Rathod
- **T.Y. Volunteers** : Prathamesh Jadhav, Tejeshree Dhaygude, Arjun Sule
- **S.Y. Co-ordinators** : Shailesh Shikarkhane, Ketki Herwadkar, Parth P Dabhade, Samriddhi S. Aherwar, Ayush Uge, Sanskar Ajit Loharkar, Shravani Jadhav



E E S A

MECHANICAL ENGINEERING

Students Association

The Mechanical Engineering Students' Association (MESA) is a student-led organization committed to promoting technical excellence, leadership skills, and collaborative learning among mechanical engineering students. It serves as a comprehensive platform for academic enrichment, professional exposure, cultural participation, and social responsibility.



Events Completed in 2025-26

1. Teacher's Day Celebration
2. Women's Day Celebration
4. Old age home visit & food donation
5. Treks
6. Reel-Making Competition
7. Photography Competition on occasion of Ganesh utsav
8. AUTO CAD Workshop
9. Calculator Workshop
10. Technical Competitions
11. ASTRA - The Sports Fest

MESA Committee 2025-26:

General Secretary	: Ayush khetale
Industrial Interaction Secretary	: Sairaj killedar
Cultural Secretary	: Pratik Pardeshi
Social Secretaries	: Nitika Khadka Chhetri, Mitesh Bakalkar
Finance Secretary	: Guru Patil
Magazine Secretary	: Tanmay Bhatewara
Ladies Representative	: Riya Sutar

Through a wide range of initiatives—including technical workshops, industrial visits, cultural programmes, community-oriented activities, and ASTRA (the annual sports festival of Mechanical Engineering students)—MESA fosters holistic development and equips students to confidently meet both professional and personal challenges.

The association continues to flourish under the dedicated guidance and mentorship of its faculty in-charges, Dr. Megha Janbandhu and Prof. Sharad Valvi.



M E S A

SPCE RACING ELECTRIC

Engineering innovation often finds its most powerful expression beyond the classroom. SPCE Racing Electric, the official Formula Student team of Sardar Patel College of Engineering (SPCE), exemplifies this philosophy by transforming academic knowledge into real-world engineering practice. Through the design, manufacturing, and testing of high-performance electric race cars, the team provides students with a dynamic platform to experience engineering in its most applied and impactful form.



Established in 2010, SPCE Racing Electric is the official Formula Student team of Sardar Patel College of Engineering (SPCE). What began as a bold attempt to apply textbook concepts beyond examinations has evolved into a close-knit team of 56 driven students, united by a shared passion for motorsports, innovation, and hands-on engineering.

The team represents SPCE at prestigious student motorsport competitions such as BAJA, SUPRA SAE, and Formula Bharat. Among these, Formula Bharat, held at the iconic Kari Motor Speedway, stands as India's premier student motorsport event. It challenges teams not only to build high-performance vehicles but also to think like engineers, entrepreneurs, and innovators.

The competition unfolds through a combination of static and dynamic events. In the static rounds, teams defend their design decisions, cost structures, and business strategies before seasoned industry professionals.

The dynamic events then push the vehicle to its limits, evaluating parameters such as acceleration, endurance, and energy efficiency. It is here that months of dedication, late nights, and rigorous testing are ultimately put to the test on the racetrack.

AIR 4 Overall (2026)
AIR 3 in Overall Statics
AIR 4 in Engineering Design Presentation
AIR 4 in Business Plan Presentation
AIR 5 in Cost and Manufacturing



At the heart of SPCE Racing Electric lies a deeply immersive learning culture. Every subsystem, every wire, and every line of code reflects a journey of trial, error, and continuous improvement. Team members are encouraged to take ownership by designing components from scratch, troubleshooting failures, and refining performance through hands-on experimentation.

This journey is supported by strong industry partnerships with Ronak Switchgear & Automation, Virtue Electronics, and Vanix Technologies, along with continuous mentorship from faculty advisors, alumni, and college faculty. Their guidance has been instrumental in shaping the team's technical direction and competitive mindset.

SPCE WAVE



The SPCE W.A.V.E Aeromodelling Club is a student-driven technical body at Sardar Patel College of Engineering focused on the design, development, and operation of remote-controlled aircraft and UAV systems. The club provides a platform for students to apply concepts of aerodynamics, structures, and control systems through practical, hands-on projects.



The club works with a structured approach, dividing members into core domains such as aerodynamics, structures, fabrication and electronics. Through collaborative efforts, students are involved in the complete aircraft development cycle including design, analysis, fabrication, and flight testing, enabling them to gain real-world engineering exposure.

The club also actively participates in national-level competitions, allowing students to showcase their skills, improve design capabilities, and gain competitive experience.

The recruitment process is designed to select motivated students through a process of conducting lectures for them followed by test and interviews.

Looking forward, the club aims to expand its participation in national and international competitions and further develop advanced UAV systems, strengthening its position in the field of aeromodelling.

Present Year Achievements

- **AIR 1 in Best Design Excellence at SAE DDC 2026**
- **AIR 1 in Technical Presentation at SAE DDC 2026**



SPCE ROBOCON



SPARK is the official robotics club of SPCE, established in 2011 with the aim of preparing students for the rapidly evolving field of robotics and automation. With robotics becoming integral to industries such as manufacturing, healthcare, agriculture, and defense, SPARK provides a platform for students to gain practical exposure and develop industry-relevant skills.

The club consists of passionate undergraduate students from Electrical and Mechanical Engineering who collaborate to design, innovate, and build robotic systems. Over the years, SPARK has grown into one of the most consistent and successful robotics teams in India, actively participating in national and international competitions while promoting STEM education.

SPARK team for this year, in the leadership of Captain - Kabir Patil, Vice-Captain - Siddharth Dabhane, and Manager- Sankalp Nagane, includes domain-specific heads (Electrical, Mechanical, Coding, and Non-Technical), supported by joint heads and 15+ second-year student members.



These initiatives help members develop both technical expertise and soft skills such as leadership, teamwork, and project management.

- Scored 94/100 in Stage 1 - Qualified and ranked in top 20 among 70 teams in DD Nationals 2026
- Won Best Technical Report Award in DD Nationals 2023
- Secured AIR 19 in DD Nationals 2021
- Secured AIR 9 with Best Technical Report Award in DD Nationals 2020
- Secured AIR 9 with Best Technical Report Award in DD Nationals 2019
- Achieved International Rank 2 in International Robotics Challenge (IIT Bombay 2018)
- Ranked in certain ROBO Challenges at VJTI Robotics Challenge (2019–2024)
- Became Robosumo and Robosoccer Champion (Rank 1 or 2 holder) in Sardar Patel Robotics Challenge (2015–2025)
- Secured Rank 1 in Meshmerise (IIT Bombay, Mumbai Zonal)
- Secured Rank 1 and Rank 2 in FCRC Roborift (2024–2025)
- Qualified for Stage 2 in eYantra (IIT Bombay)

SPARK has evolved into a symbol of technical excellence and innovation at SPCE. By combining strong teamwork, hands-on learning, and competitive exposure, the club continues to nurture skilled engineers ready to tackle real-world challenges in robotics and automation.



About the Chapter

The Indian Institution of Industrial Engineering (IIIE) SPCE Student Chapter is a student-led organization at Sardar Patel College of Engineering dedicated to fostering professional development, technical knowledge, and industry exposure. Through seminars, workshops, webinars, and industrial visits, the chapter equips students with practical skills in industrial engineering, management, and sustainability. This organization is currently led by Chairperson Mr. Balajishri Malandkar, Vice Chairperson Riddhi and Vice Chairperson Aryan Sawant, under Faculty Advisor Mr. Santosh Rane.

Events Included

- **The Semicon India 2024 video conference**: Focused on India's semiconductor growth, bringing together stakeholders from academia, industry, and government.
- **The Agile Mumbai 2024 Conference**: Provided insights into agile methodologies, digital transformation, and leadership through expert-led sessions.
- **The Personal Development & Personal Hygiene for Women workshop**:Focused on self-care, confidence building, and professional grooming.
- **The Webinar on Life Cycle Analysis of E-Waste**: Highlighted sustainable e-waste management practices and environmental impact assessment.
- **The Personality Development for Men**: Emphasized communication skills, confidence, and professional presence.
- **The Poster-Making Competition**: Encouraged creative thinking and awareness of sustainability and innovation.
- **The "Elevate Your Career: Build Your Profile and Personal Brand"**: Guided students on LinkedIn
- optimization, networking, and professional branding.
- **The Painting Competition:** Promoted creativity, collaboration, and expression of social themes.
- **Orientation Program on Telecom by Vodafone Idea:** Provided practical exposure to telecom industry operations and trends.
- **Alumni Speaks – The Flagship Event:** Featured distinguished alumni sharing career journeys, industry insights, and guidance.
- **Industrial Visit to Mumbai Metro (One Blue Line):** Offered firsthand exposure to metro operations and control systems.
- **IIIE's BSE Visit:** Provided insights into financial markets and trading operations.
- **IIIE SPCE Student's Chapter Award Distribution Ceremony:** Recognized outstanding student achievements and contributions.
- **International Summer Internship Awareness Programme**: Guided students on global internship opportunities and application processes.
- **Panel Discussions on Business Innovation 360**: Facilitated discussions on innovation, entrepreneurship, and industry challenges.

ASHRAE

ASHRAE (American Society for Heating Refrigerating and Air-Conditioning Engineers) is an International Professional Society of more than 130 years, having chapters in more than 130+ nations across the world. The main objective of this professional society is to disseminate knowledge regarding HVAC (Heating Ventilating and Air-Conditioning) Field, which is growing exponentially because of the huge demand of cooling and heating in the residential, commercial, data centres, hospitals, hotel sectors.

SPCE ASHRAE student branch under ASHRAE Mumbai Chapter of Region XV is one of the oldest student branches in India. This branch disseminates knowledge through Industry Visits, Site Visits, Expert Lectures, Workshops, Industrial Trainings etc. It also provides Internship opportunities to students in HVAC and related fields.

The faculty advisor, Prof. Kunal Bhavsar and Co-advisor Dr. B. N. Bhasme, are the point of contact between students and ASHRAE Mumbai Chapter.

SPCE ASHRAE conducted student installation and Distinguished Lecture by Mr. Nitin Naik on Indoor Air Quality on 15th October 2025.



SPCE ASHRAE conducted student installation and Distinguished Lecture by Mr. Nitin Naik on Indoor Air Quality on 15th October 2025



SPCE ASHRAE hosted ASHRAE President (Global) Mr. Bill McQuade and Director of Regional Chairs – Mr. Pankaj Dharkar at SPCE on 14th March 2026.





A Distinguished Lecture was conducted by International Speaker Mr. Abhishek Khurana from Canada on "Do You Even Network' on 14th March 2026.



Dr. Kiran Bhole received ASHRAE Under Graduate Equipment Grant of $ 4,092 in the year 2025 and $ 4,825 in the year 2026.



Mr. Akhil Pillai from Mechanical Engineering Department got the ASHRAE Greg Pavlak Scholarship $5000 for year 2025-26.





ASHRAE SPCE conducted an Industrial Training and Site Visit at Belimo Automations Pvt. Ltd. which is an International Company located in Rabale, Navi Mumbai on 18th April 2025.

SPCE SAE COLLEGIATE CLUB YEAR REVIEW | 2025–26

Founded at Sardar Patel College of Engineering, the SPCE SAE Collegiate Club is a powerhouse of student-led innovation. Operating under the SAE India Western Section, we bridge the gap between classroom theory and the cutting edge of mobility engineering. Under the visionary guidance of Faculty Advisor Dr. Santosh Rane (Vice Chairperson, SAE India Western Section) and the leadership of Chairman Aqdas Siddiqui, the club has reached new heights in student engagement and industry integration this year.



KEY EVENTS:

- **SAEINDIA Mumbai Conclave (Sept 27–28, 2025):** A flagship two-day event keynote insights from industry veterans specially the chief guest Mr. N. K. Vaidya (Ex Senior General Manager R&D TATA Motors) on emerging technologies, with felicitation of past year committee members. The conclave celebrated outstanding student talent in the following categories: Poster Presentation, Project Presentation, Science & Technology Presentation
- **National Level Professional Development Program (PDP) on MATLAB & Simulink:** A deep dive into the Analysis and Simulation of Engineering Systems, featuring EV system modeling, 1D steady-state simulation, and thermal engineering applications
- **Blue Star RAC Training Program:** Intensive hands-on exposure to Refrigeration and Air-Conditioning systems, including inverter technology, electrical diagnostics, and commercial equipment identification.

INDUSTRY PATHWAYS: INTERNSHIPS

We take immense pride in our members who have secured prestigious internship roles, proving that SPCE SAE talent is industry-ready:

Blue Star: Aditi (B.Tech Mechanical)

Scientific Devices: Yash Bole • Kunal Bidwai • Abhishek Ghat • Hemant Bhore (T.Y Mechanical)

Shrish Techno Solutions: Himanshi Bangale (B.Tech Mechanical) • Riya Shah (T.Y Mechanical)

Venture Sea Pvt. Ltd.: Selection Process Ongoing

TESA

Faculty Advisor: Dr. Parag K. Muley (https://www.spce.ac.in/TESA.php)

Research Paper Presentation by TESA-SPCE students



Atharva Joshi: **International Conference UNIfied-2024** at **MNIT, Jaipur** in collaboration with **Western Norway University of Applied Sciences**, 26-28 Nov. 2024. **Co-Authors**: Tanishq Kale, Divyesh Jilka, Aditya Thakkar, and Parag K. Muley. Publication: Mechanisms and Machine Science, Chapter 37, Vol. 181, pp. 603-622, **Springer Nature, Switzerland AG**, 2025. doi: https://doi.org/10.1007/978-3-031-93327-1_37



Mihir Parab: **International Conference UNIfied-2024** at **MNIT, Jaipur** in collaboration with **Western Norway University of Applied Sciences**, 26-28 Nov. 2024. **Co-Authors**: Sarthak Gutte, Harshal Gunjal, Harsh Todankar, and Parag K. Muley. Publication: Mechanisms and Machine Science, Chapter 38, Vol. 181, pp. 623-648, **Springer Nature, Switzerland AG**, 2025. doi: https://doi.org/10.1007/978-3-031-93327-1_38



Dylan Oliveira: **2nd International Conference ATSMDE-2024** at **VJTI, Mumbai**, 27-28 Dec. 2024. **Co-Authors**: Vishva Shah, Nachiket Narlawar, Brian David, Snehal Wakchaure, and Parag K. Muley. **Publication**: Advances in Thermal System, Materials and Design Engineering, Routlege, Chapter 71, **Taylor & Francis Group London**, 2026, **ISBN 9781041209607**, doi:https://doi.org/10.1201/9781003725022-71



Darsh Jogani: **i-MACE-2025, 4th International Conference on Innovations in Mechanical and Civil Engineering** at **Pimpri Chinchwad College of Engineering, Pune**, 22-23 Aug. 2025 (Paper ID: 160).
Co-Authors: Manish Patil, Atharv Gawde, and Parag K. Muley.



Siddharth Jogalekar: **IHMTC-2025, 28th National and 6th International ISHMT-ASTFE Heat and Mass Transfer Conference** at **IIT Jodhpur**, Rajasthan, 9-12 Dec.2025 (Paper ID: 205).
Co-Authors: Dylan Oliveira, Vishva Shah, Nachiket Narlawar, and Parag K. Muley.



Activity for Academic Benefit of Students

Visit to Cryogenics Laboratory, Mechanical Department, IIT Bombay on 06 Dec. 2025 attended by 24 students of Introduction to Cryogenics, Sem V & VII (Mech.).
Prof. M.D. Atrey, Dy. Director-ART, IIT Bombay addressed the students.

ROTARACT CLUB OF SPCE

Rotaract Club Of Sardar Patel College Of Engineering is a student-driven organization dedicated to community engagement, social responsibility, and leadership development. Chartered in 2019 under the Rotary Club of Bombay Mahakali Heights, it functions in Zone 2A, Rotary International District 3141. Led this year by President Rtr. Riddhi and Secretary Rtr. Khushi Katkhede, the club strives to empower youth and create meaningful social impact through service.

- Vision

To build a compassionate and resilient community where members drive positive societal change, and with Seva Sarvopakār as our guiding theme, the Rotaract Club of SPCE steps forward into another year of learning, leadership, and collective impact.

- Mission

To engage and empower members through service, awareness, and leadership, fostering responsibility and personal growth.





- Key Events

1. Aksa Beach Cleanup Drive – Promoting environmental sustainability.
2. Installation Ceremony – Induction of members and office bearers.
3. Health Checkup Camp – Free medical checkups for the community.
4. Breast Cancer Awareness Camp – Women's health awareness and screenings.
5. Cloth Donation Drive – Support for underprivileged communities.
6. Diwali Party – Cultural celebration encouraging creativity.
7. Christmas Carnival – Festive event with science exhibition stalls for kids.
8. City Sagas – Online photography event showcasing city life.
9. .The Millennial Summit – Support for a district-level Rotaract event.
10. Samvidhan Diwas Quiz – Constitution awareness competition.
11. Guest Speaker Event – Address by IPS Vishwas Nangare Patil.
12. Mental Health Conference – Awareness and dialogue on mental well-being.
13. The Rotaract Club of SPCE stands for community service, youth empowerment, and holistic development, continually working towards larger initiatives and a lasting social impact

Sparsh

THE DRAMA CLUB

The SPARSH Drama Club continued to foster creativity, expression, and social awareness throughout the academic year. The club remained committed to using theatre and digital storytelling as powerful mediums to communicate meaningful messages and inspire positive changes among students.

The year began on a patriotic note as the club proudly presented a theatrical skit on Independence Day (15th August). The performance highlighted the spirit of unity, sacrifice, and responsibility toward the nation.

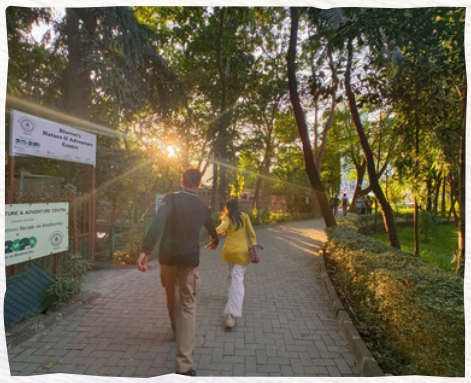
The club also celebrated cultural pride by performing a drama for Shiv Jayanti in the hostel on 19th February, honoring the legacy, courage, and leadership of Chhatrapati Shivaji Maharaj. The performance created an engaging and energetic atmosphere among students and strengthened cultural appreciation.

Additionally, the club focused on community building and continuity by organizing a meet with former SPARSH members. The interaction allowed current members to learn from alumni experiences, reconnect with the club's legacy, and gain valuable guidance for future activities.

One of the club's highlights this year has been the production of a short dramatic project titled "11:11", which is currently being edited and will be released soon. This project represents the club's growing interest in storytelling through cinematic expression and collaborative creativity.

SPARSH continues to work enthusiastically on several upcoming projects, aiming to provide students with opportunities to perform, create, and express themselves while addressing socially relevant themes.





Splash

— THE DANCE CLUB —

SPLASH is the official dance club of SPCE, created to give students a space to express, explore, and celebrate dance. The club brings together dancers from diverse styles—classical, hip-hop, and contemporary—building a team that values discipline, creativity, and cultural pride. Beyond performances, SPLASH focuses on learning, collaboration, and developing confidence both on and off the stage.



The club is led by Riya Sutar, Club Head, with Asit Bansode as Co-Head, who oversee the growth and direction of the team. Creative vision and choreography are guided by Tanishq and Samriddhi Aherwar, while Performing Lead Madhura Bedre ensures coordination and stage execution. Social Media Head Shafin Pathan manages the club's outreach and digital presence, and Shangan Tembhare handles videography and editing, capturing performances and memories of the journey.



Over the year, SPLASH has been actively involved in college events. As a young and evolving club, SPLASH aims to represent the institute at inter-college competitions, strengthen its artistic foundation, and build a vibrant dance community for years to come.

Spandan

THE MUSIC CLUB

Spandan, the institute's music committee, brings rhythm, harmony, and energy to campus life by uniting students through shared creativity and a love for music.



For the academic year 2025–26, Spandan is led by Tejas, President. Krushnal and Joy served as melody heads, shaping the instrumental sound of the committee. Sakshi as vocal head, and Ayush and Yash as rhythm heads, who form the backbone of the ensemble. The vocal team further includes Neelanjana and Shawn as contemporary vocalists, and Gurudatta and Anunay as classical vocalists, Shafin as the lyricist and Urvi as Creative head. Supporting the team are Vrinda as melody co-head, Palash as vocal co-head, and Tanish and Shreeya as rhythm co-heads, along with members Shreyas, Soham, Mahi, Aditi, Aarya, Jigar, Jai, Harshwardhan, Nilay, Soumya and Urvi.



Throughout the year, Spandan sets the tone at key campus and cultural moments, with performances at the FY induction programme, Independence Day and Republic Day celebrations, Pre-Sphinx events, the War of Bands at Sphinx, the Annual Alumni Meet, and an open jamming session at Marine Drive.

With regular rehearsals and strong team spirit, Spandan continues to enrich the campus soundscape and build lasting connections through music.

PIXEL VISION

Introduction:

- Pixel Vision, the official photography club of our Sardar Patel collage of engineering, has had a remarkable year, inspiring students to explore the art and science of photography. The club serves as a creative hub for aspiring photographers, providing them with opportunities to refine their skills, share ideas, and gain hands-on experience in various genres of photography.

Activities and Events:

- Pixel Vision organized a series of events throughout the academic year to engage and educate members. Workshops on DSLR handling, mobile photography, post-processing, and storytelling through images were conducted by professional photographers. Regular photo walks to scenic locations allowed members to practice real-time shooting techniques.
- The club also hosted themed photography contests such as "Nature's Beauty," "Urban Life," and "Black & White Art," encouraging students to explore different perspectives. Special coverage of college events including cultural fests like SPHINX, sports SPIRIT and guest lectures, provided members with practical exposure to event photography.

Achievements:

- Pixel Vision members participated in intercollegiate and national-level photography competitions, securing top positions and bringing recognition to the club. Their photographs were featured in college magazines, exhibitions, and social media platforms, showcasing their talent to a wider audience.

SPCE FC

One Team. One Mission.

The 2025-26 season under the captaincy of Abhinav Khandekar and manager Eresh Bhogshetty has been a defining season for the Sardar Patel College of Engineering Football Club (SPCE FC). SPCE FC thrived — stamping authority across Mumbai's toughest intercollegiate arenas.

Season Highlights

- **Mumbai University :** SPCE FC still remains unbeaten in MU Sports along with three players being selected for Mumbai university trials Abhinav Khandekar, Om Patil and Maurya Gajjar.
- **SHAZAM – TSEC :** SPCE FC secured 2nd Position at SHAZAM. With Manwang emerging as the tournament's Best Goalkeeper.
- **Spirit – SPCE :** At SPCE's flagship sports festival, Spirit, the team played with heart and hunger securing 2nd position, with Abhinav winning the Best player Award.
- **Spoorthi – SPIT :** SPCE FC once again proved their consistency by finishing Runners-Up in a fiercely contested tournament.
- **Zion – NMIMS :** At Zion, NMIMS' premier sports fest, SPCE FC emerged as Champions.
- **Others :** XIE's Cyberia, VIT's Sportsmania, TCET's Enertia, NMIMS' Rudra, IIT Bombay's Awahan and ATLAS's Alpha are other noteworthy tournaments that SPCE FC participated in.



Club Members for the 2025/26 Season

Abhinav Khandekar (Captain)
Eresh Bhogshetty (Manager)
Om Patil
Manvang K. Phom
Mayank Nikumbh
Deepak Shanbhag
Shawn Massy
Sayyed Mohd. Kaif Irfan
Abhigyan Mishra
Roshan Gudge
Hanshal Ghag

Asit Bansode
Siddhant Shirsat
Vivek Bhave
Aditya Shinde
Darshith Bodkhe
Maurya Gajjar
Bhavesh Shah
Shakya Ukey
Moksh Kamdar
Shravani Gurav

Rohan Sukhasare
Dishant Pawar
Balajisri Malandkar
Aditya Pohankar
Anshul Meshram
Harshwardhan Devkule
Sohan Mestry
Shivam Kapse
Pushkar Joshi
Viraj More Patil



Captain's Address

Starting from our first year with nothing but losses, the sting of defeat only fueled our fire. This season, our refusal to give up and our collective stubbornness took us to the finals of every tournament we entered, a perfect masterclass in consistency and love for the game. I am incredibly proud of this team for keeping that hunger alive and all the best for the battles ahead. Finally, I want to give a massive shout-out to the SPCE audience. Seeing you all show up in such huge numbers really fueled our energy and kept us going on the field. We couldn't have done it without your support.

-Abhinav Khandekar

From unbeaten league runs and individual accolades to podium finishes and championship glory, SPCE FC showcased not just skill, but character. More importantly, the season reinforced what lies at the core of the club—collective belief, disciplined leadership, and an unshakable team ethos.

As the squad looks ahead, this season stands as both a benchmark and a promise. The foundation has been laid, the hunger remains, and the mission continues.

NSS



SPCE's NSS Club conducted 3 major Events in the last Academic year. They were:

1. Blood Donation Camp:
2. International Women's Day Celebration.
3. Stem Cell Donation Program

1) The Blood Donation Camp held at SPCE on September 30, 2025, was a highly successful initiative led by the National Service Scheme (NSS). Demonstrating a deep commitment to community welfare, NSS volunteers managed every aspect of the event, from donor registration to post-donation care. A highlight of the day was the creative tree-stamp activity, which visually symbolized the collective impact of the contributors. Supported by professional medical standards, the camp fostered a spirit of social responsibility and highlighted the NSS's dedication to life-saving humanitarian efforts.



2) On March 10, 2026, the NSS and CEA co-hosted an International Women's Day event at SPCE featuring guest speaker Adv. Ms. Veena Gowda. Following the traditional lamp-lighting ceremony, the session focused on educating students about women's rights, the various forms of harassment, and the societal challenges women face today. Adv. Gowda provided actionable guidance on combating injustice and navigating safety issues through legal awareness. The program concluded with a token of appreciation from the Head of the Civil Engineering Department, successfully empowering attendees with a deeper understanding of gender equality and advocacy.



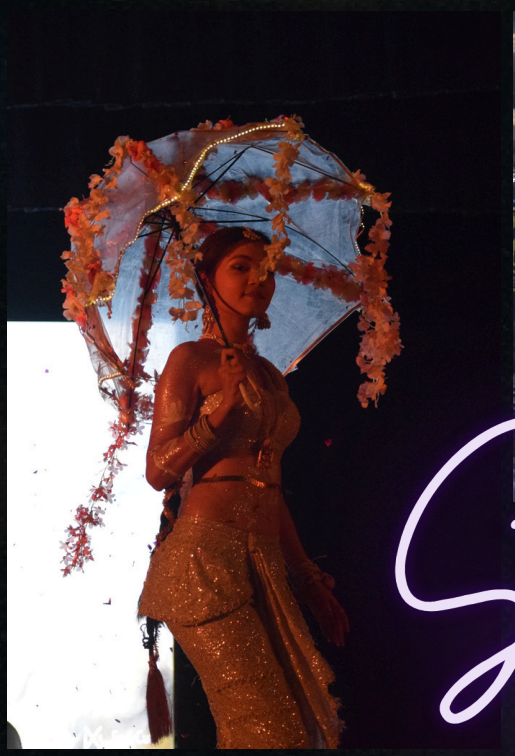
3) A stem cell donor registration drive was organized as a social work initiative on 6th and 7th April. It was a collaborative initiative between SPCE and SPIT, in association with Marrow Donor Registry India. On 6th April, class-wise awareness seminars were conducted to educate students about stem cell donation. On 7th April, a full-day donor registration camp was held at SPCE, Room No. 119.

The camp witnessed enthusiastic participation, primarily from students of SPCE and SPIT. A total of 148 donors were successfully registered during the camp, marking a significant contribution toward building a strong stem cell donor database.











Sphinx 2026









Sphinx

Sphinx 2026, the highly anticipated annual techno-cultural festival of Sardar Patel College of Engineering, was organized in collaboration with Sardar Patel Institute of Technology's Oculus, marking a significant joint effort between the two sister institutions. It kicked off amidst an atmosphere of excitement and anticipation. Thoughtfully orchestrated by the dedicated student council for the 2025–26 academic year, the event spanned four thrilling days, from March 26th to March 29th. Sphinx delivered an electrifying blend of technical brilliance and cultural richness, drawing enthusiastic participants and crowds from across the city. The festival highlighted the varied talents, drive, and teamwork of the college community, perfectly capturing the innovative and creative spirit that defines SPCE. The celebration began with a spectacular inauguration ceremony at 1 PM on March 26th, signaling the start of an action-packed festival.





Day 1: March 26th

The grand inauguration ceremony served as a powerful testament to the unity between SPCE and SPIT, officially bringing Sphinx 2026 to life. The atmosphere was charged with anticipation as one of the most awaited events of the year commenced. Immediately following the ceremony, the AutoExpo emerged as a premier attraction, drawing large crowds to a stunning range of vehicles, from sleek supercars to student-designed prototypes.

The highlight of the day was the adrenaline-fueled drifting demonstration at the heart of the Expo.

Spectators watched in awe as a high-performance car maneuvered across the tarmac, executing precise, high-speed slides that sent clouds of tire smoke into the air. The roar of the engine created an electrifying experience, perfectly capturing the high-octane spirit of the festival and setting the tone for the days ahead.



Day 2: March 27th

The second day kicked off with an exciting lineup of events, bringing energy and enthusiasm across the campus.

One of the primary highlights was Step Up, a high-energy dance battle where performers captivated the audience with their fluid movements and dynamic routines.

This was followed by the Mr. and Ms. Sphinx Pageant, which added a competitive yet glamorous dimension as participants showcased their confidence, charm, and individuality.



Complementing the lineup was Vogue, a fashion event where students displayed their style and creativity on the runway, adding elegance and flair to the day's proceedings.

The sheer variety of talent ensured that every attendee found something to admire. As the day came to a close, the campus remained lively with conversations, reflections, and anticipation for the events to come.

Sphinx

Day 3: March 28th

The third day brought with it a vibrant mix of cultural showcases and musical performances. Swaranjali set a soulful tone, captivating the audience with melodious renditions, while the War of Bands introduced an intense and energetic atmosphere.

Spandan, SPCE's official music club, delivered engaging performances, leading into a sensational set by the acclaimed duo SuPra, whose popular tracks had the crowd completely immersed.



The energy carried forward into the night with an explosive DJ event sponsored by Red Bull. Students gathered in large numbers, dancing to the music and embracing the shared spirit of celebration.

The seamless blend of genres and performances created a dynamic and memorable experience for everyone present.

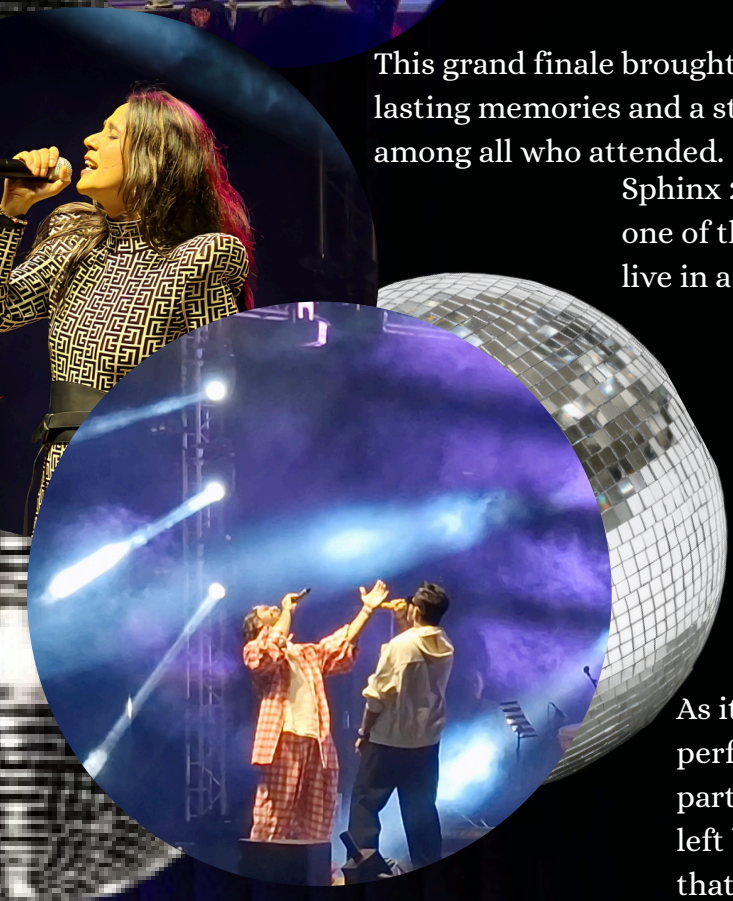
Day 4: March 29th

The final day of Sphinx 2026 arrived with heightened excitement and anticipation. As evening approached, the festival reached its peak with a breathtaking live performance by Sachin–Jigar. The renowned duo delivered a mesmerizing set, effortlessly blending soulful melodies with high-energy Bollywood hits.



The audience responded with overwhelming enthusiasm, singing along as a sea of phone flashlights illuminated the venue, creating a visually stunning and emotionally charged atmosphere. It was a moment that truly captured the essence of the festival.

This grand finale brought Sphinx 2026 to a remarkable close, leaving behind lasting memories and a strong sense of unity, creativity, and celebration among all who attended.



Sphinx 2026 wasn't just another college fest, it felt like one of those moments you wish you could pause and live in a little longer.

Over four days, the campus turned into something bigger than itself, filled with noise, colour, talent, and people just showing up as their best, most unfiltered selves. From the rush of the AutoExpo to the quiet magic of live music and the madness of the final night, every part of it added to an experience that was hard to put into words but impossible to forget!

As it all came to an end, what stayed wasn't just the performances or the crowd, but the feeling of being part of something alive, something shared. Sphinx 2026 left behind more than memories, it left a mark, the kind that lingers long after the lights go out.

Civil Technical Events









Clash of Concrete

Clash of Concrete (COC) was a practical civil engineering competition that focused on concrete technology and hands-on skills, where 11 teams participated to perform activities like hand mixing of concrete, conducting slump cone tests to check workability, and casting concrete cubes. The aim was to understand real-life construction practices and apply theoretical knowledge, with judging based on proper mixing technique, time management, workability of concrete, and the compressive strength of cubes after curing (14 days), helping students develop practical knowledge, teamwork, and accuracy for real construction experience.

Plan it

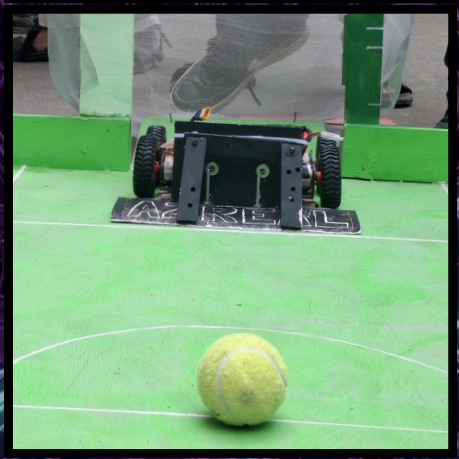
Plan It was a civil engineering technical event that emphasized on architectural planning and computer-aided design (CAD) skills where 18 participants from different colleges participated. In this competition, participants were required to design a (G+1) residential building, including a detailed plan, elevation, and site layout, using AutoCAD within a stipulated time. The problem statement, along with plot specifications and constraints, was provided at the beginning of the event. Participants had to demonstrate precision, creativity, and adherence to standard drafting practices while developing their designs. The entries were evaluated based on planning efficiency, technical accuracy, innovation, and compliance with the given guidelines, providing a platform to showcase both conceptual understanding and practical drafting expertise.

Constructo

Constructo was a technical civil engineering event in which 16 teams from various colleges had participated, that focused on the design and construction of a bridge using limited materials such as ice-cream sticks and glue. In this competition, participants were required to apply their engineering knowledge, creativity, and problem-solving skills to build a structurally efficient and aesthetically appealing bridge within the given specifications. The bridge span was assigned on the spot, and teams had to ensure that their structures maintain stability and support loads during testing. The constructed models were evaluated based on innovation in design, load-bearing capacity, structural integrity, and adherence to rules.

Electrical Technical Events









Robosoccer

The Robosoccer event focused on testing participants' innovation, technical skills, and teamwork through robot-based soccer matches conducted in two categories. Teams designed bots within strict size and weight constraints and competed in timed rounds on a marked arena, with limited technical timeouts. The competition evaluated goals scored, control, strategy, and fair play, while participants faced challenges in precision, stability, and technical management. Winning teams demonstrated strong coordination and effective gameplay, and the event promoted creativity, competitive spirit, and technical excellence.

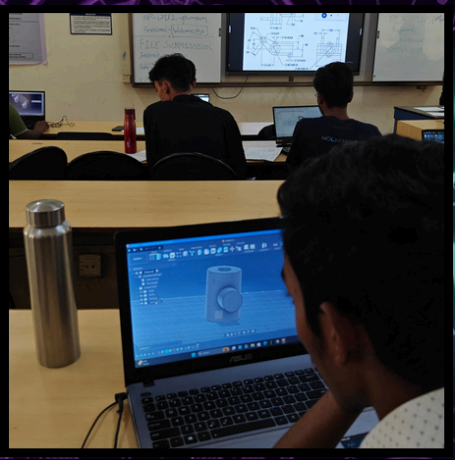
RoboSumo

RoboSumo was a robotics competition where teams built and manually controlled robots to push opponents out of a circular arena, following a knockout format. It tested knowledge of mechanical design, control systems, and programming, with winning based on performance across best-of-three rounds and positional scoring. Challenges included arena preparation with proper dimensions and friction, as well as bot design issues like balance, traction, and power management. The event encouraged teamwork, innovation, and practical application of engineering concepts.

Meshmerize

The Meshmerize Competition, themed 'Battle of Algorithms,' assessed participants' analytical thinking and problem-solving skills through algorithm-based tasks and logical challenges. Held at SPIT Room with participation from multiple colleges, the event required speed, reasoning, and technical understanding. SPCE Robocon emerged as the winner due to their outstanding performance, and the competition was successfully conducted with positive feedback. It served as a valuable platform for enhancing technical and analytical abilities among students.

Mechanical Technical Events









Speed CAD

SpeedCAD was a design-based competition in which 18 participants participated where they were given a 2D drawing to convert it into an accurate 3D model using any authorized CAD software. The winner was determined based on efficiency and precision - by comparing the material weight of their design with a predefined standard weight, with bonus points based on completion time. The design closest to the standard weight was declared as the winner.

Lathe Wars

Lathe Wars, the ultimate test of machining prowess, saw intense competition as participants transformed a 2D drawing into a precise 3D component. 12 teams from different colleges had put their skills to the test. The winners were crowned based on a perfect blend of dimensional accuracy, material efficiency, and lightning-fast completion time. The event showcased exceptional talent, innovative techniques, and a passion for precision engineering that left everyone in awe.

The Full Throttle

The Full Throttle event at Sphinx, brought together enthusiastic participants from top colleges. The competition featured two rounds: a pitch round where teams showcased their RC cars and demonstrated technical understanding through Q&A, and by an intense race round through a challenging obstacle course. Teams were evaluated based on overall performance across both rounds. Team SPARK from SPCE secured the first place presenting high level of innovation and skill.


SPIRIT
FOOTBALL
CHESS
SPIRIT
E-GAMING
SPIRIT
CRICKET













SPIRIT 2026






AIM FOR THE WIN!
Official Event Sponsors
TOTAL








GET YOUR GAME ON!
SPIRIT
AIM FOR THE WIN!



SPIRIT OVERVIEW

SPIRIT 2026 stood as the flagship sports festival of Sardar Patel College of Engineering, Mumbai, and was organized by the Student Council with the aim of fostering sportsmanship, unity, and competitive excellence among students and providing a platform to strengthen intercollegiate relationships.

The event was held for three days, from 24th January to 26th January 2026 and was inaugurated by our esteemed alumni Mr. Amit Tele. Around 25 colleges participated in this event with 800 participants, marking the ***highest participation in the history of SPIRIT***.

The fest provided students with an opportunity to challenge their limits, showcase their talent, and experience the true essence of healthy competition. Every whistle blown, every cheer echoed, and every victory earned reflected the true spirit of SPIRIT. The atmosphere throughout the festival was filled with energy, determination, and camaraderie, creating memorable experiences for participants and spectators alike.

BADMINTON

The badminton events at SPIRIT 2026, organized by Sardar Patel College of Engineering (SPCE), witnessed remarkable performances from the institution's players. Rishika Goyal secured the Women's Singles title and, along with Manvi Funde, won the Women's Doubles event. The competition, held at Krida Sports and Academy, Versova, saw participation from 75 players. SPCE athletes also finished runners-up in the Mixed Doubles final. Their outstanding performances brought pride and recognition to the institution.





CRICKET





A total of thirteen colleges participated in the cricket tournament, representing sixteen teams, with fifteen matches conducted throughout the event. Our college entered four teams in the competition, and one of them proudly advanced to the semi-finals. Roshan Patil was recognized as the Best Player from our college for his exceptional performance.

FOOTBALL

A total of 13 colleges participated in the football tournament, with 14 teams competing with great enthusiasm. SPCE 's First Team secured the runners-up position and created history by reaching the finals for the first time, marking a proud milestone for the college. Abhinav Khandekar from SPCE was given recognized as the Best Player of the tournament for their exceptional performance throughout the tournament.





BASKETBALL



The Basketball Tournament witnessed enthusiastic participation in both the boys' and girls' categories.
In the boys' category, eight colleges participated with eight teams. SPCE delivered an impressive performance, securing the runners-up position, with Kartik Kendre being awarded the Best Player for his outstanding performance.
In the girls' category, five colleges participated with a total of eight teams. SPCE once again showcased strong performance and secured the runners-up position.



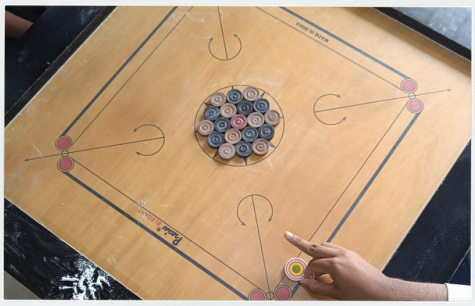
CHESS



VOLLEYBALL



TABLE TENNIS



CARROM

ALUMNI MEET 2026

The SPCE Alumni Association successfully hosted the Alumni Meet 2026 on 14 February at Sardar Patel College of Engineering, Mumbai, bringing together alumni, faculty members, students, and industry professionals for a day of insightful discussions, recognition, and celebration. The event aimed to strengthen institutional ties while providing students with valuable exposure to real-world industry perspectives and career guidance.

The programme commenced at the SPJIMR Auditorium with a streamlined attendance system using colour-coded identification badges for faculty, students, and alumni, along with special recognition for milestone batches. The event began with engaging panel discussions moderated by Mr. C. M. Venkat, setting a thoughtful and forward-looking tone for the day.



The first panel discussion explored entrepreneurship, technology, and India's emergence as a global engineering hub, where distinguished alumni shared industry insights and career journeys. This was followed by a session on the future of engineering education, emphasizing adaptability, innovation, and skill-based learning essential for modern engineers.



The evening session at the SPIT Auditorium featured addresses by institutional leaders, who highlighted the importance of alumni engagement in shaping the future of the college. A presentation by the Alumni Association outlined its vision, ongoing initiatives, and the role of alumni in mentoring and supporting students.

A major highlight of the evening was the awards ceremony, where distinguished alumni were honoured with recognitions such as the Lifetime Achievement Award and Mid-Career Achievement Award. These accolades celebrated excellence and served as a source of inspiration for the student community.

The event further extended into the SPCE quadrangle, where student clubs including SPCE Wave, SPCE Racing, SPCE Robocon, IIIE, ASHRAE, and IIC set up interactive stalls. These clubs actively communicated with alumni, presenting their ongoing projects, technical innovations, and research initiatives. The stalls became a hub of dynamic interaction, fostering meaningful conversations, mentorship opportunities, and potential industry collaborations.

Several student achievements were prominently showcased through these exhibitions, highlighting participation in national and international competitions, innovative engineering solutions, and interdisciplinary project work. Alumni expressed strong appreciation for the technical depth and creativity demonstrated by students, with some extending support in the form of guidance, networking, and prospective funding.

The day concluded with a vibrant cultural programme and networking dinner, featuring musical performances by the Spandan team and artistic contributions from students and alumni. A graceful Bharatanatyam performance added a traditional touch, bringing the celebrations to a memorable close.

Overall, the SPCE Alumni Meet 2026 proved to be a resounding success, strengthening connections across generations while showcasing student talent and institutional excellence. The event truly embodied the spirit of unity and progress reflected in its motto, Together. Forward. Always.

SPCE Yuva Sansad





SPCE Yuva Sansad 2025 was a flagship parliamentary simulation organized by the Student Council in collaboration with SPASHT — the Speakers' Club of SPCE. Held on 1st and 2nd November 2025, the event aimed to nurture leadership, policymaking ability, and informed citizenship by providing students with a realistic experience of parliamentary functioning. Participants engaged in structured debates, negotiations, and legislative procedures modeled on the Lok Sabha and Rajya Sabha. The event provided a platform for students to express their perspectives on national issues while gaining insight into real parliamentary responsibilities.

The event commenced with an opening ceremony at the SPJIMR Gyan Auditorium, graced by Hon'ble Justice Roshan S. Dalvi (Retd.) and Dr. B. B. Pimple. Their addresses emphasized the importance of youth participation in democracy and the need for strong communication skills.

Two parallel assemblies — the Lok Sabha and the Rajya Sabha — were conducted, deliberating on key agendas such as the 130th Constitutional Amendment Bill, 2025, and the socio-economic impact of women-centric welfare schemes.

The event saw participation from 40 registered delegates representing various colleges, with dedicated teams managing research, content, public relations, operations, and hospitality, ensuring seamless execution.

The programme concluded with a prize distribution ceremony and closing session, successfully achieving its objective of enhancing parliamentary literacy, teamwork, and leadership among students. Overall, the event stood as a testament to the power of youth voices and collaborative learning, while strengthening parliamentary awareness and inspiring students to become responsible and informed citizens.

NATIONAL DAYS



79th Independance Day Celebrations: 15th Aug 2025

SPCE celebrated the occasion with great enthusiasm, beginning with pre-event activities such as tricolour decorations, thumb painting, and a rangoli competition, which created a vibrant patriotic atmosphere. On the day of the event, the Principal hoisted the national flag, led the National Anthem, and addressed the gathering with an inspiring message. This was followed by cultural performances, Student Council introductions, and prize distribution. The celebrations concluded with a vote of thanks, refreshments, and a group photograph.



150 years of VANDE MATARAM: 7th November 2025

On 7th November 2025, SPCE celebrated the 150th anniversary of Vande Mataram with great pride. The event, held at the college entrance, paid tribute to Bankim Chandra Chattopadhyay and aimed to instill a sense of patriotism among students and staff.

The Principal, Dr. M. M. Murudi, delivered an inspiring address highlighting the historical significance of the song and its enduring power to unite the nation. The celebration culminated in a powerful group rendition of Vande Mataram, leaving everyone with a deep sense of respect for India's rich cultural heritage.



Republic Day Celebrations: 26th January, 2026

On 26th January 2026, the college celebrated Republic Day at the entrance with a patriotic flag-hoisting ceremony led by the Principal. Following the National Anthem, the Principal delivered an inspiring address on constitutional values and the responsibilities of students toward the nation.

The event featured vibrant cultural programmes, including a unique Bharatanatyam and Kathakali fusion dance, along with a soulful musical performance by the Spandan group. The celebration successfully fostered a strong sense of unity and national pride among students and staff.



Chatrapati Shivaji Maharaj Jayanti Celebrations : 19th February, 2026

On 19th February 2026, the college celebrated Shiv Jayanti with a vibrant display of traditional attire and cultural pride. The festivities began with an energetic procession featuring student performances of Lezim and Lathi-Kathi, moving from the boys' hostel to the college entrance.

The event then transitioned to the seminar hall, where the chief guest, Mr. Raviraj Paradkar, delivered an inspiring address on the engineering and strategic brilliance of Chhatrapati Shivaji Maharaj. The celebration concluded with a formal vote of thanks, marking a successful day of tribute and learning.

Woman's Day

The Women's Day celebration at the institute, held on 9th March, featured a panel discussion titled "Echoes of Empowerment," aimed at inspiring students and faculty through the experiences of accomplished women from diverse fields. The panel included Ms. Persis Hodiwalla, Dr. Sunayana Sarkar, and Dr. Shubha Pandit, each sharing their personal and professional journeys.



The discussion focused on empowerment, with each speaker highlighting themes such as resilience, leadership, and determination. Ms. Hodiwalla emphasized the importance of self-advocacy and awareness in male-dominated industries, particularly in the media and entertainment sector. Dr. Sarkar spoke about balancing multiple passions and embracing a multifaceted identity, while Dr. Pandit highlighted the role of education, mentorship, and continuous learning in achieving success.



The session concluded with an engaging Q&A segment, leaving a lasting impact on the audience. Overall, the event celebrated women's achievements and reinforced the importance of confidence, knowledge, and perseverance in pursuing one's goals.



FY INDUCTION

Unfolding a new Map



Spandhan Jamming Session

The First-Year Induction Week at SPCE, held from 22nd to 29th September 2025, welcomed new students with a series of engaging eventsaimed at building confidence, fostering connections, and creating a sense of community.

The week began with introductions by the Student Council, followed by interactive team-building activities. Students also explored personal growth through sessions on mindset, wellness, and fitness.

During the week, they learned about financial literacy and were introduced to various technical and cultural clubs, encouraging participation beyond academics.

Highlights of the week included several informative seminars, a lively jamming session by Spandan, and a vibrant Garba Night filled with music, dance, and celebration. Another key highlight was the visit to Bhavan's Nature and Adventure Centre, where students participated in nature walks, animal care activities, and adventure sports such as zip-lining and archery. The induction concluded with newly formed friendships, a warm introduction to college life, and a strong sense of excitement for the journey ahead.



Council Introduction

FIRST YEAR

CIVIL

ELECTRICAL

MECHANICAL

SECOND YEAR

CIVIL

ELECTRICAL

MECHANICAL

THIRD YEAR

CIVIL

ELECTRICAL

MECHANICAL

BTECH

CIVIL

ELECTRICAL

MECHANICAL

MUMBAI

MTECH

FY STRUCTURES

FY CONSTRUCTION MANAGEMENT

FY MACHINE DESIGN

MUMBAI

SY STRUCTURES

SY CONSTRUCTION MANAGEMENT

MTECH

FY POWER ELECTRONICS AND POWER SYSTEM

POETRY

The Spirit of Mumbai

A city carried on tired shoulders,
hands gripping metal railings at sunrise,
feet learning balance in a train that never rests.
Sweat and salt stitched into survival.
coins counted twice before breakfast

They call it resilience.
A word stamped down
by those far from the doors
where fingers cling to moving metal
and sleep stands upright.
The phrase dripping down
until endurance became branding
and exhaustion a civic virtue.

The spirit of Mumbai, once defiance,
now spoken like permission
to neglect what must be repaired.

Still, the city speaks in quieter truths:
carriages breathing waves of bodies,
Brown sludge of July swallowing streets,
bridges yielding into stunned silence,
sirens threading through flooded nights.

Each time, the instruction returned:
move on. resume. adjust. endure.
They built the maps with ink, but the city runs on bone.
As if survival were infrastructure.
Not a myth handed to you,
but a strength to reclaim

Someone shares the last seat.
Someone passes a child through a window.
Someone laughs louder than the train
For the spirit of Mumbai
was never a phrase.

- Akhil Pillai
TY Mechanical

Homesick

As much as i love being on my own,
part of me is constantly missing home.
There are moments i want to disappear,
when i feel like the path is unclear.

There's no feeling like homesickness,
the real value of every little moment is only understood then.
Something different about the environment entirely,
home, where i can be me again, finally.

Ghar ka khana, apne log,
apna sheher,
wahi purani baatein with school ke dost!

There's so much i want to say,
yet so little im able to express,
it's getting overwhelming,
and a lot to digest.

We're so busy in our lives that we often forget,
the happiness on mom and dad's faces,
for every minute of our time they get.

Each teardrop is worth it,
for craving their presence sometimes,
all i can hear is,
the breeze whispering through familiar wind chimes.

It's getting real,
with every moment i spare,
collecting pieces of me there,
framing them on my wall here.

- Vrinda Mansinghka
SY Mechanical

Dreams and Desires

Dreams and Desires, I have many.
I promised my mother, I'll bring back every penny;

That she spent on me, To get me till here.
I look ahead with confidence, I barely have any fears.

Dreams and desires, I still have a few,
But I feel like I'm lagging behind, Like my purpose is due;

And I'm not prepared. The thought makes me shiver.
This time when I talk, I can feel my voice quiver.

Dreams and Desires, Are starting to get heavy.
All my ambitions and manifestations, Have seemed to levy;

A charge on me, For my lack of motivation.
My incapability to go on, Will lead to my suffocation.

Dreams and Desires, Left I have none.
The weight of expectations, Feels like ton.

Life I was supposed to lead, It's all going against my plan.
Still the child in me can hear my mother's voice insisting, 'I know you can'.

- Ananya Gadade
FY Mechanical

ती...

जन्म झाला तिचा, घराच्या चौकटीत बंद,
स्वप्न होती मोठी, पण आवाज मात्र मंद,
ओझं समजून जगाने केल तिला गप्प,
लादले खुप नियम, केले सर्व ठप्प...

काळोखाने भरलेलं जग ते कशी ती सावरणार,
बंद, ओसाड, रस्ता जीवनाचा कसा ती शोधणार,
पावलोपावली तिच्या अपमानाचे हे बोल,
बस झालं ग सखे आता तरी दार खोल...

मनात होती भीती, श्वास होता अपूर्ण,
दाटून आलेलं मन तीच झालं होत तीव्र,
क्षणिक थोडी घाबरली, विचार मात्र एक,
शब्द होता एकटा आवाज मात्र अनेक...!

आशेचा ती किरण घेऊन बोलली आता मी शिकणार,
विरोध असला सर्वत्र तरी आता मी भिडणार,
जिद्दी ची मशाल, आणि प्रेरणेची ती आग होती,
एक मुलगी असली तरी सर्वांवर ती महाग होती.

ओंजळीत धरून इच्छा, मागे मी हटणार नाही
घेतलेला मी वसा, जिंकल्या शिवाय सोडणार नाही
जिजाऊंची लेक मी, तुमच्या वंशाचा वारस आहे,
जुलमी त्या परंपरेला, तिच्या संघर्षाचा आरस आहे...

दुमदुमले हे बोल, स्वातंत्र्य घेऊन आली ती
जगतेय आज स्वाभिमानाने ही स्त्री आहे ती
आज वाटले लिहावे तिच्या कर्तृत्वावर
ही लिहिणारी सुध्दा स्त्रीच आहे मी.....!

- Shubhangi Vhanmane
FY Civil

शिवजीवन



शब्द शब्द प्रतिशब्द यावा आमचे
मुखी ||
लिहावेत काव्य शिवरायांवरी करावे
प्रजेस सुखी ||

अखंड राष्ट्राचे दैवत ऐसे आपले
राजे ।
काव्य रचावे मी त्यांवरी हे
अहोभाग्य ते माझे ||

इस्लामिक आक्रांते आले ऐसे
चालूनी।
राजा गेला प्रजा गेली संतवाणी
विखुरली ||

नाथ आमचे कळवळले कोण आम्हांस
तारी । कोण दुष्टांस मारुनिया लावेल
तुळस दारी ||

तै प्रगटला तळपला तो नभी भास्कर / जन्म दिल्हा ऐशास भविष्यात असे मातब्बर ||

नाव तयांचे शहाजी शूर असती भले । मराठी ताकदीने समशेर फिरे उभा पातशहा हले ||

हिंदवी राज्याचे स्वप्न गोड जिजाऊंसी सतत पडे । वाटे तयांसी हे महत् कार्य माझे पतींचे हातून घडे ||

परि काळास अमान्य ती गोष्ट होता स्वप्न बुडाले पार । परंतु; जिजाऊ माता भवानी साची हिम्मत दाविली फार ||

वद्य तृतीयेचा दिस फाल्गुन मासात पावला । प्रजेस सुखी करण्यास शिवबारूपी श्रीराम जन्मला ||

कौसल्येपरी आनंद आईसाहेबांसी जाहला । अमूल्य रत्न जन्मले पोटी बाळ कुशीत निजला ||

राजियांनी पराक्रम गाजवला महाराष्ट्र जागा केला । कीर्ती अपरंपार गाजली स्वयं काशी महापंडित आला ||

छत्रसाल क्षत्रियांस खड्ग बांधले आशीर्वाद तयांनी दिल्हा । तै तयाने हिंदुराज्य उभारिले शब्द सार्थकी ठरविला ||

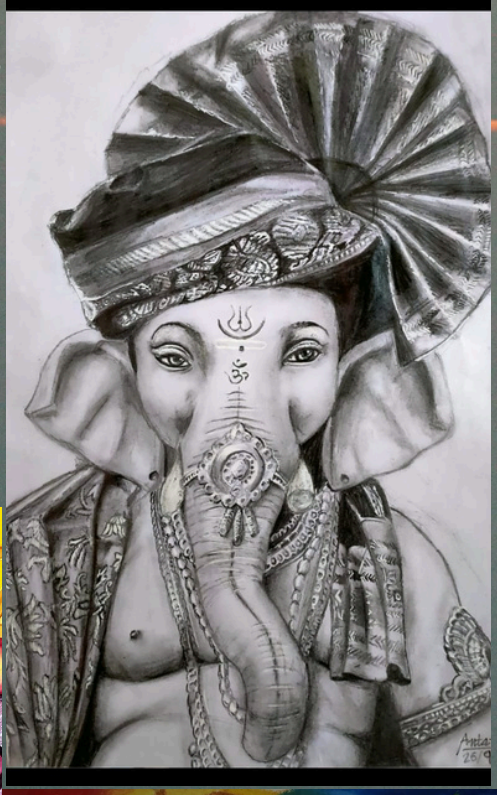
पराक्रमी अनेक लाभले वीर महाराजांच्या सेवेसी । तुळणा कोणाशी करावी त्या नररत्न महारथींची ? ||

हिंदवी स्वराज्य उभे झाले राज्य अपुले आले । केसरी निशाणी फडकत महाराष्ट्र राज्य पसरले ||

तोच ग्रहण लागले महाराष्ट्रास भास्कर नभाआड गेला । अखंड स्थितीचा निर्धारु श्रीमंतयोगी माझा राजा
कैलासवासी झाला...||

-Aryan Joshi
FY Civil

Antariksh Jadhav
-FY Mechanical





Mrunmayi Savkar
-TY Electrical



Siddhi Patil
-FY Mechanical

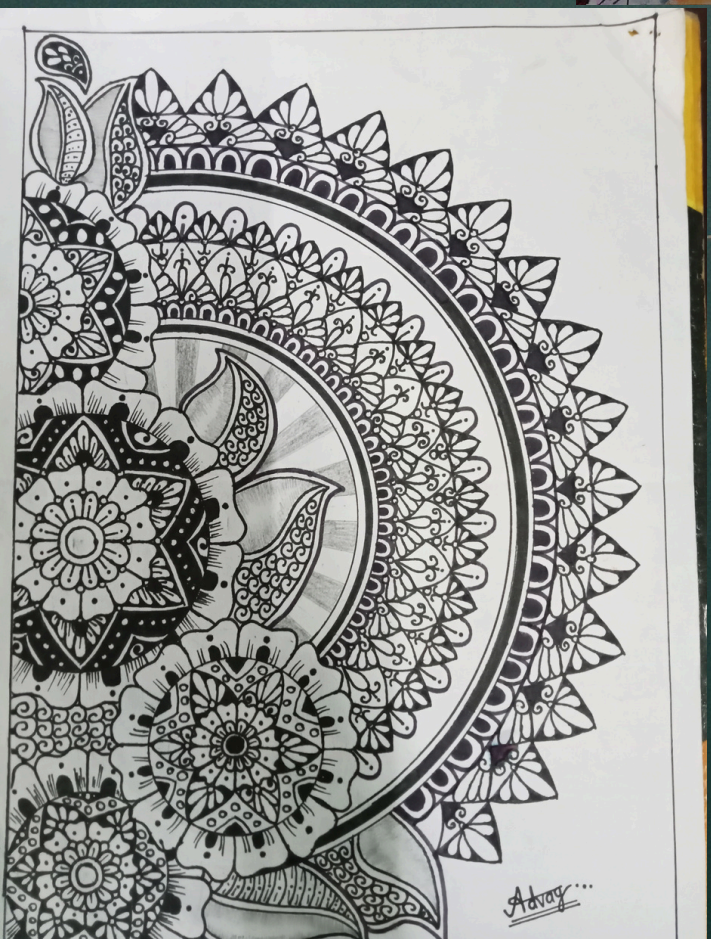


Soumya More
-FY Electrical



Shafin Pathan
-SY Mech

Advay Saraf
-SY Mechanical

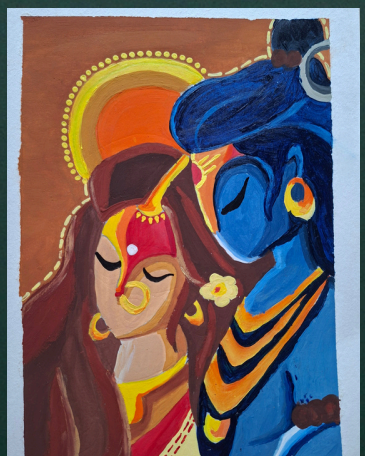




Mayank Mayekar
-SY Civil



Aarohi Hatekar
-FY Civil



Archita Pant
-FY ELectrical

The striking portrayal of Mumbai's skyline set against a humble fishing village captures the city's defining paradox; where origins and ambition coexist in quiet tension. Once a cluster of coastal settlements barely two centuries ago, Mumbai has transformed into one of the world's leading metropolises, yet traces of its beginnings remain etched into its landscape.

The deep hues of the sunset cast a sense of heaviness over the city, reflecting its exhaustion, its struggles, and the weight of countless aspirations it carries each day. In contrast, the rising sun at the Gateway of India on the back page offers a shift in perspective; one of renewal, possibility, and quiet hope.

More than a visual contrast, this cover becomes a metaphor for Mumbai itself, a city where extremes do not divide but define. Here, wealth and hardship, stillness and chaos, past and progress exist not in opposition, but in continuity, shaping a narrative that is as complex as it is enduring.

COVER'S INSIGHT TO DISHA'26